

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092623\
 Data File : BN027901.D
 Acq On : 27 Sep 2023 16:08
 Operator : MA/JU
 Sample : 04472-21
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EZYM8

Quant Time: Sep 28 00:01:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN091523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 27 03:52:19 2023
 Response via : Initial Calibration

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

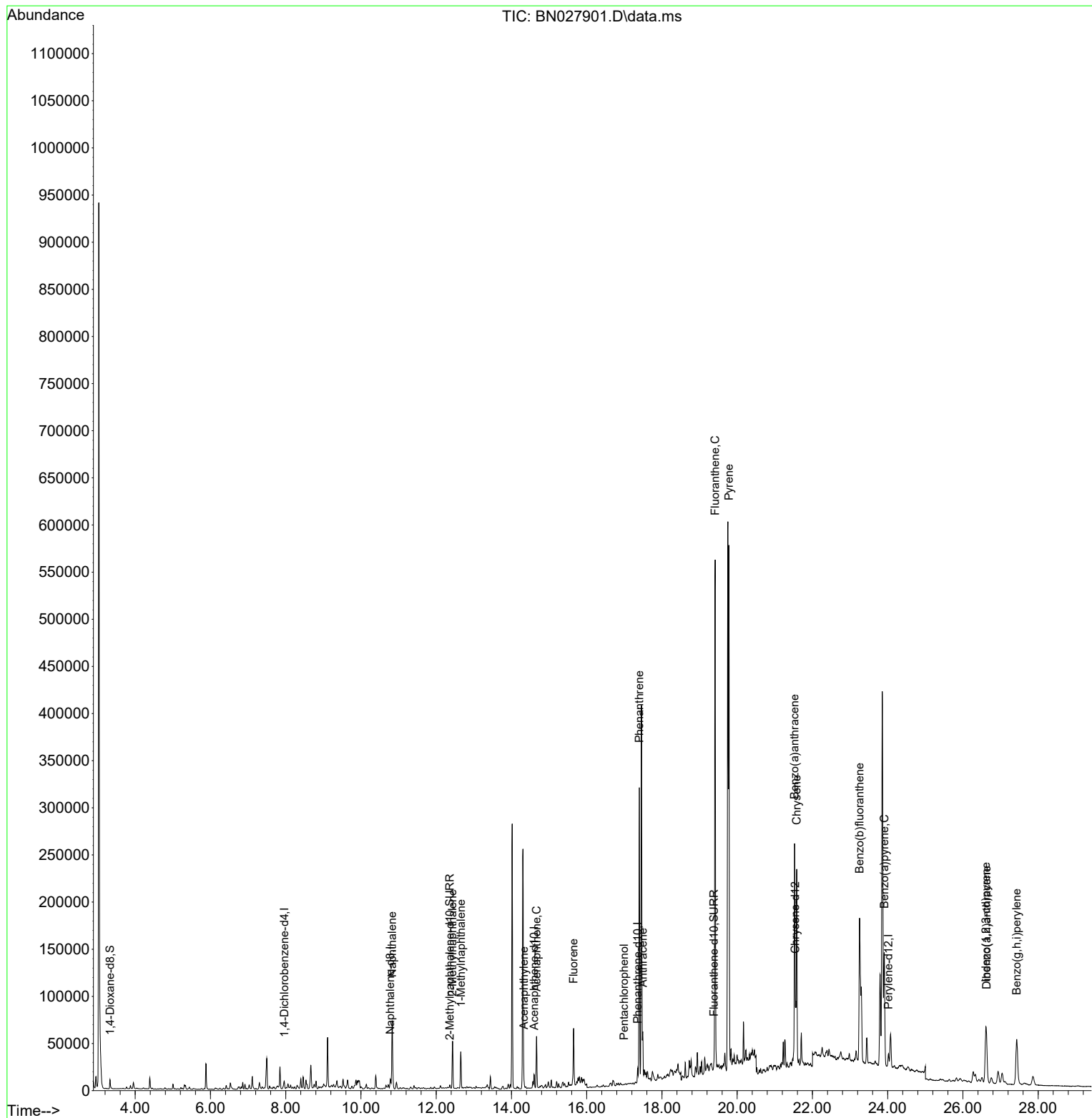
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.962	152	3315	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.779	136	12547	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.601	164	8216	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.354	188	17968	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.542	240	16439	0.400	ng/ul	# 0.00
23) Perylene-d12	24.018	264	18404	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.330	96	6565	1.572	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.363	152	3873	0.204	ng/ul	0.00
18) Fluoranthene-d10	19.381	212	9866	0.197	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.828	128	98425	2.745	ng/ul	99
7) 2-Methylnaphthalene	12.434	142	34345	1.509	ng/ul	100
8) 1-Methylnaphthalene	12.654	142	25718	1.096	ng/ul	99
10) Acenaphthylene	14.328	152	6095	0.170	ng/ul#	78
11) Acenaphthene	14.666	153	31212	1.006	ng/ul	98
12) Fluorene	15.651	166	38180	1.047	ng/ul	97
14) Pentachlorophenol	16.991	266	94	0.022	ng/ul#	40
15) Phenanthrene	17.397	178	321957	5.702	ng/ul	98
16) Anthracene	17.489	178	51787	1.095	ng/ul#	95
19) Fluoranthene	19.413	202	446851	6.722	ng/ul	100
20) Pyrene	19.780	202	450962	6.585	ng/ul	98
21) Benzo(a)anthracene	21.525	228	202120	3.177	ng/ul#	95
22) Chrysene	21.583	228	204341	3.109	ng/ul#	92
24) Benzo(b)fluoranthene	23.252	252	367967	4.485	ng/ul	92
26) Benzo(a)pyrene	23.910	252	186150	2.821	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.610	276	110264	1.304	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.627	278	30229	0.444	ng/ul#	63
29) Benzo(g,h,i)perylene	27.432	276	108383	1.510	ng/ul	99

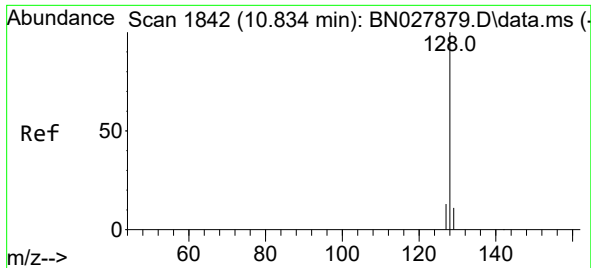
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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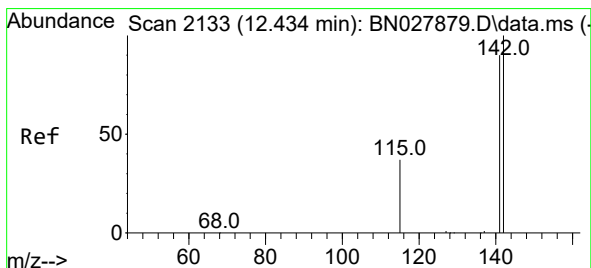
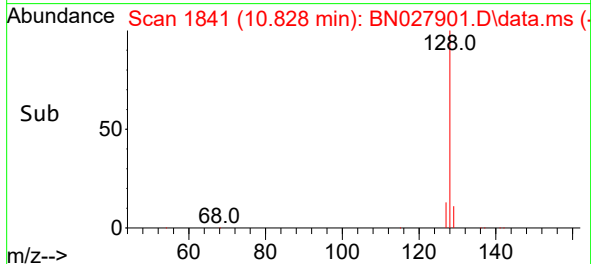
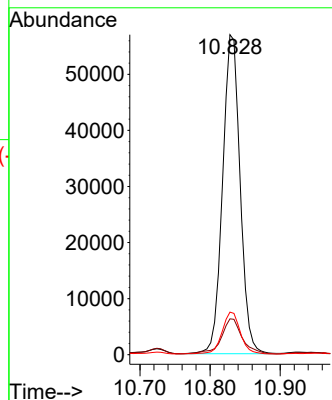
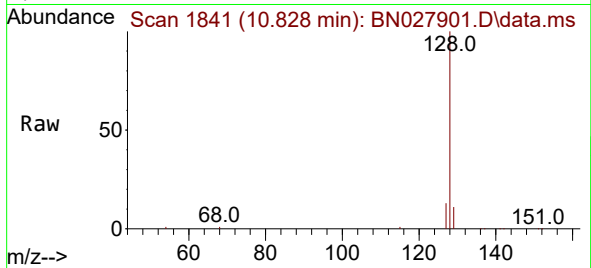




#5
Naphthalene
Concen: 2.745 ng/ul
RT: 10.828 min Scan# 1841
Delta R.T. -0.005 min
Lab File: BN027901.D
Acq: 27 Sep 2023 16:08

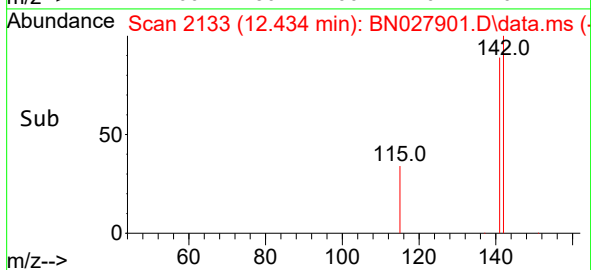
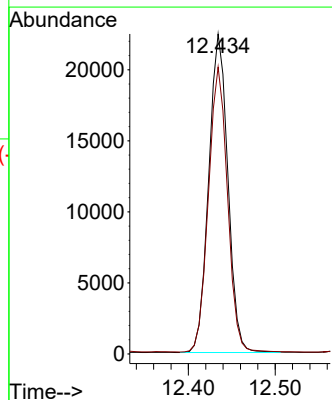
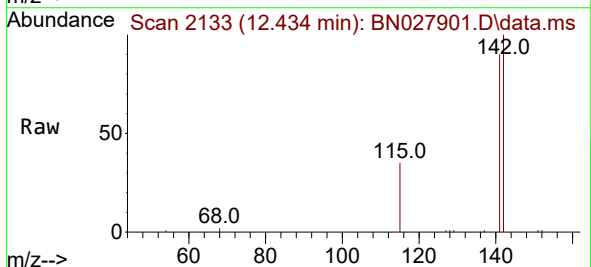
Instrument :
BNA_N
ClientSampleId :
EZYM8

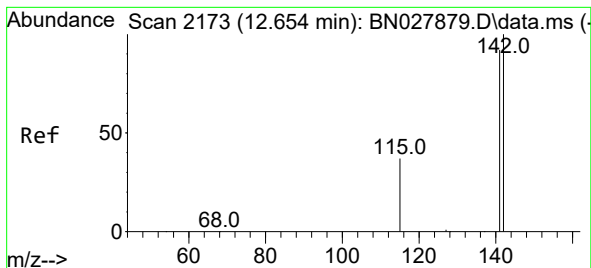
Tgt Ion:128 Resp: 98425
Ion Ratio Lower Upper
128 100
129 11.2 9.3 13.9
127 13.3 10.7 16.1



#7
2-Methylnaphthalene
Concen: 1.509 ng/ul
RT: 12.434 min Scan# 2133
Delta R.T. 0.000 min
Lab File: BN027901.D
Acq: 27 Sep 2023 16:08

Tgt Ion:142 Resp: 34345
Ion Ratio Lower Upper
142 100
141 88.8 71.1 106.7





#8

1-Methylnaphthalene

Concen: 1.096 ng/ul

RT: 12.654 min Scan# 2173

Delta R.T. 0.000 min

Lab File: BN027901.D

Acq: 27 Sep 2023 16:08

Instrument :

BNA_N

ClientSampleId :

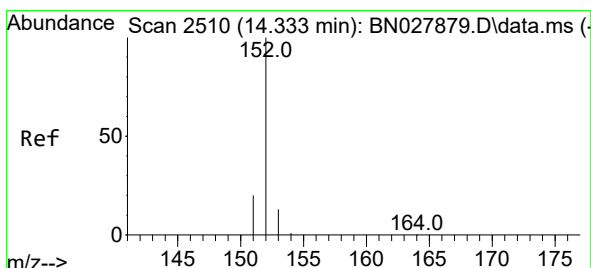
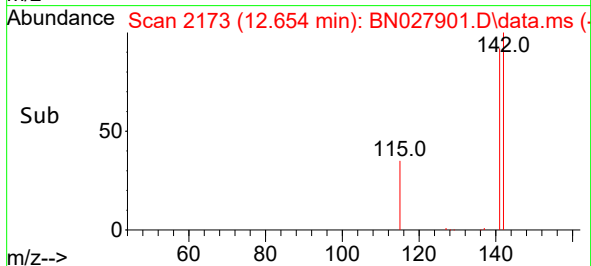
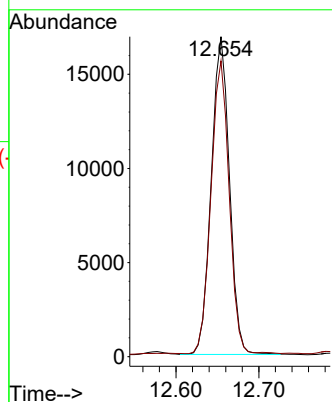
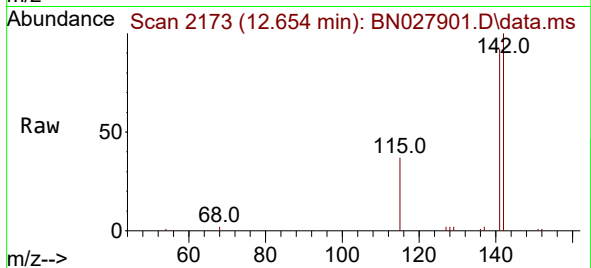
EZYM8

Tgt Ion:142 Resp: 25718

Ion Ratio Lower Upper

142 100

141 92.0 72.8 109.2



#10

Acenaphthylene

Concen: 0.170 ng/ul

RT: 14.328 min Scan# 2509

Delta R.T. -0.004 min

Lab File: BN027901.D

Acq: 27 Sep 2023 16:08

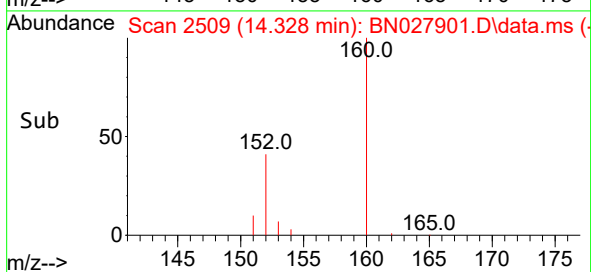
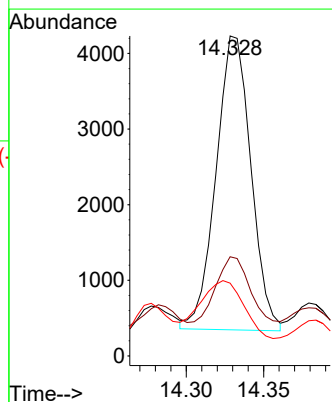
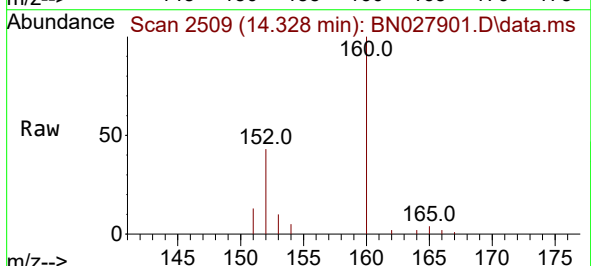
Tgt Ion:152 Resp: 6095

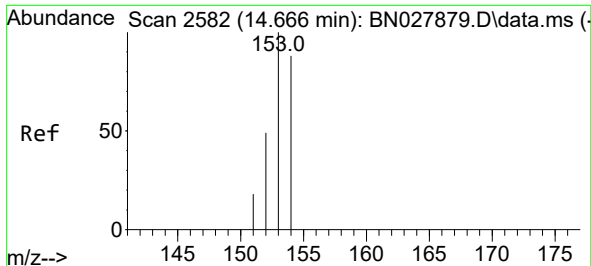
Ion Ratio Lower Upper

152 100

151 31.0 16.6 25.0#

153 22.8 11.0 16.6#

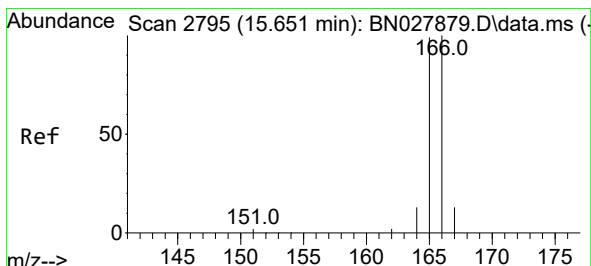
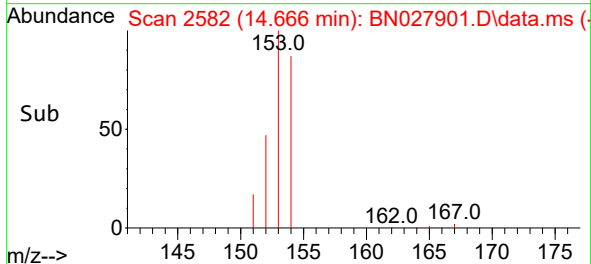
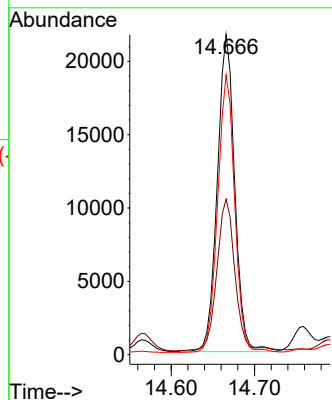
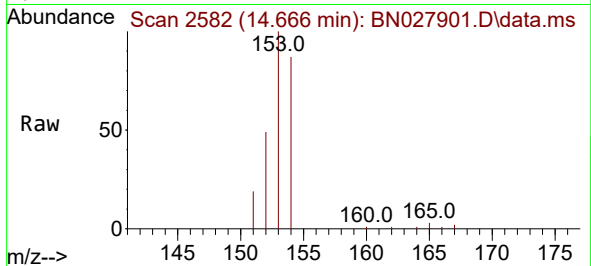




#11
Acenaphthene
Concen: 1.006 ng/ul
RT: 14.666 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN027901.D
Acq: 27 Sep 2023 16:08

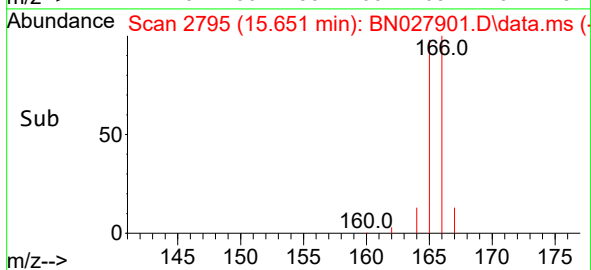
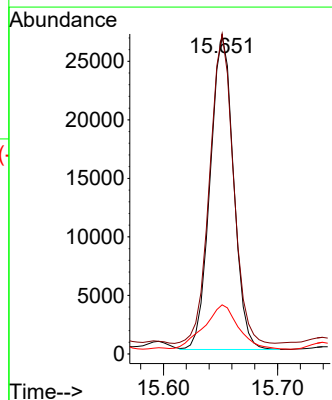
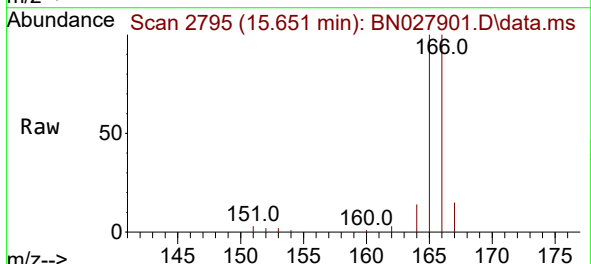
Instrument :
BNA_N
ClientSampleId :
EZY8

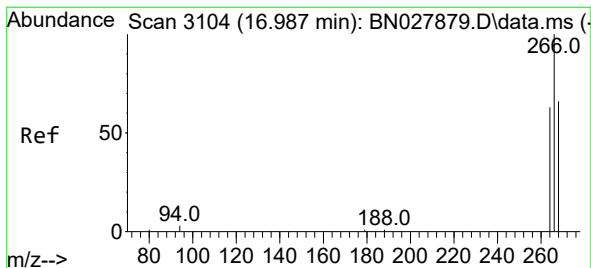
Tgt Ion:153 Resp: 31212
Ion Ratio Lower Upper
153 100
152 48.6 41.7 62.5
154 87.5 70.3 105.5



#12
Fluorene
Concen: 1.047 ng/ul
RT: 15.651 min Scan# 2795
Delta R.T. 0.000 min
Lab File: BN027901.D
Acq: 27 Sep 2023 16:08

Tgt Ion:166 Resp: 38180
Ion Ratio Lower Upper
166 100
165 100.4 78.0 117.0
167 15.4 11.4 17.2





#14

Pentachlorophenol

Concen: 0.022 ng/ul

RT: 16.991 min Scan# 3105

Delta R.T. 0.004 min

Lab File: BN027901.D

Acq: 27 Sep 2023 16:08

Instrument :

BNA_N

ClientSampleId :

EZYM8

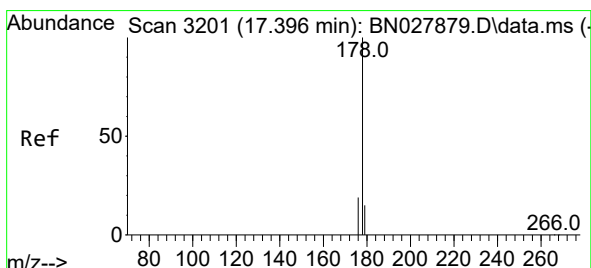
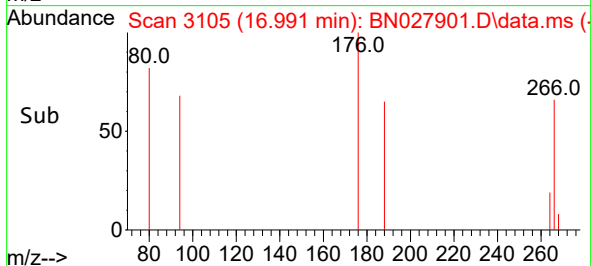
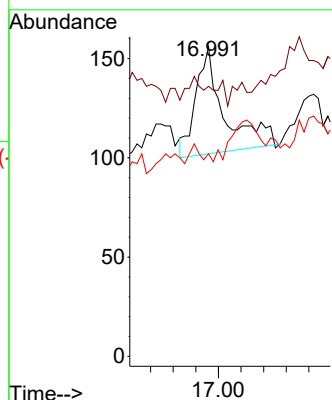
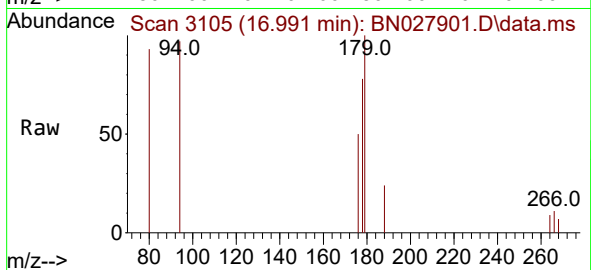
Tgt Ion:266 Resp: 94

Ion Ratio Lower Upper

266 100

264 24.5 49.6 74.4#

268 7.4 50.7 76.1#



#15

Phenanthrene

Concen: 5.702 ng/ul

RT: 17.397 min Scan# 3201

Delta R.T. 0.000 min

Lab File: BN027901.D

Acq: 27 Sep 2023 16:08

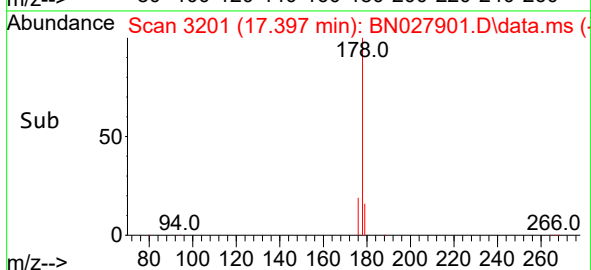
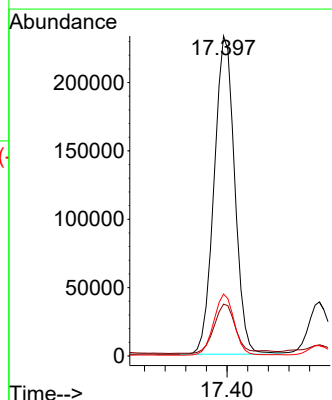
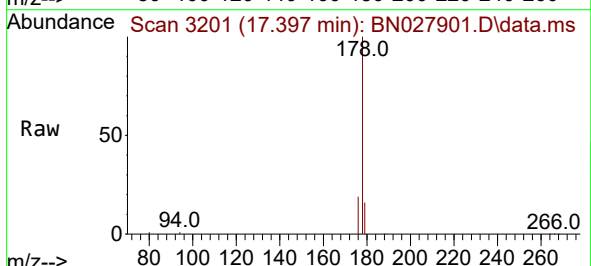
Tgt Ion:178 Resp: 321957

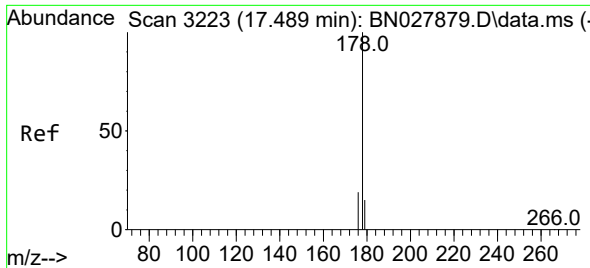
Ion Ratio Lower Upper

178 100

179 16.2 12.4 18.6

176 19.3 16.0 24.0

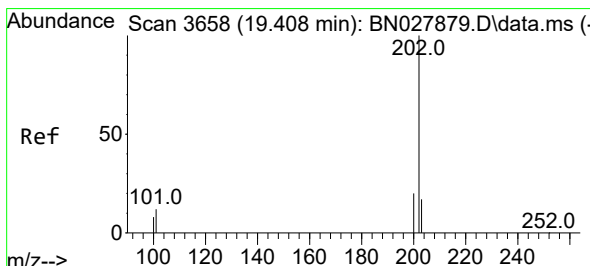
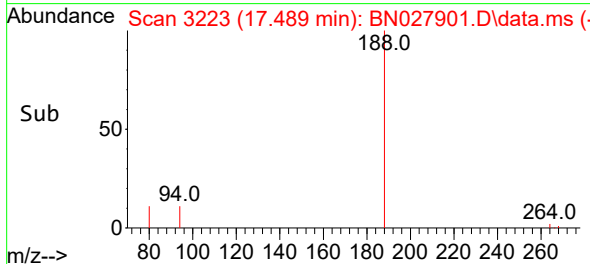
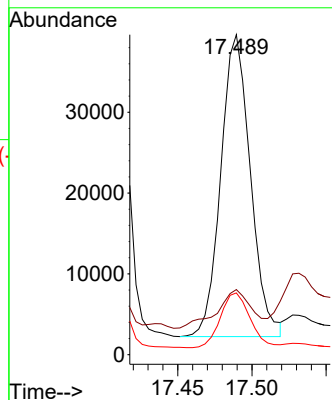
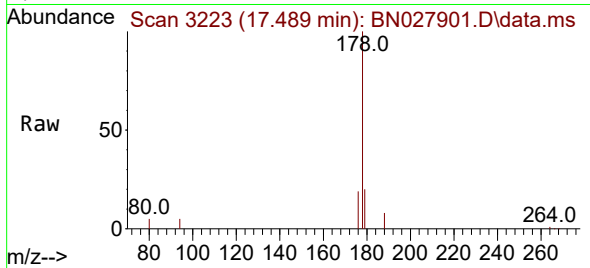




#16
 Anthracene
 Concen: 1.095 ng/ul
 RT: 17.489 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BN027901.D
 Acq: 27 Sep 2023 16:08

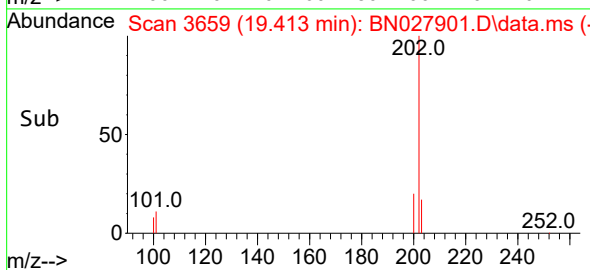
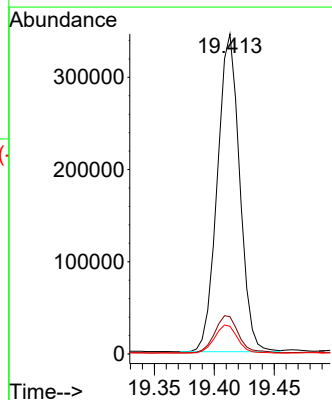
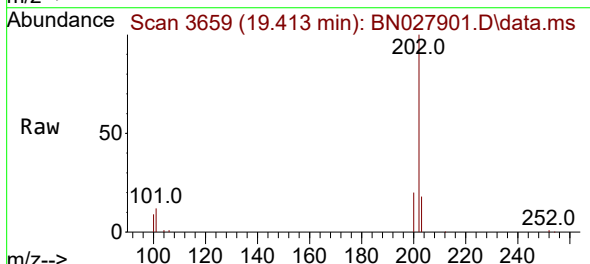
Instrument :
 BNA_N
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 EZYM8

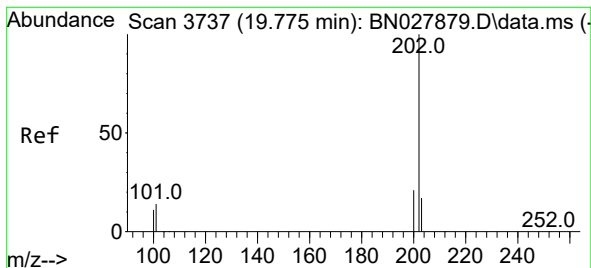
Tgt Ion:178 Resp: 51787
 Ion Ratio Lower Upper
 178 100
 179 20.3 12.6 19.0#
 176 19.3 15.5 23.3



#19
 Fluoranthene
 Concen: 6.722 ng/ul
 RT: 19.413 min Scan# 3659
 Delta R.T. 0.005 min
 Lab File: BN027901.D
 Acq: 27 Sep 2023 16:08

Tgt Ion:202 Resp: 446851
 Ion Ratio Lower Upper
 202 100
 101 11.7 9.3 13.9
 100 8.6 7.0 10.4





#20

Pyrene

Concen: 6.585 ng/ul

RT: 19.780 min Scan# 31

Delta R.T. 0.005 min

Lab File: BN027901.D

Acq: 27 Sep 2023 16:08

Instrument :

BNA_N

ClientSampleId :

EZYM8

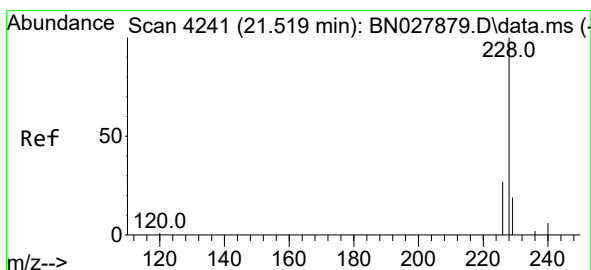
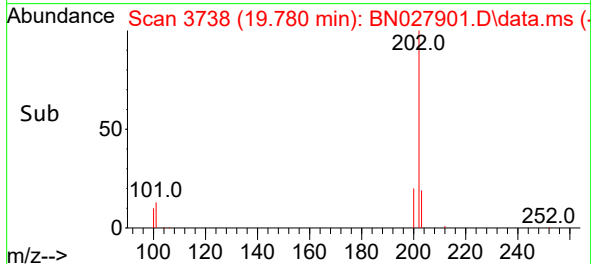
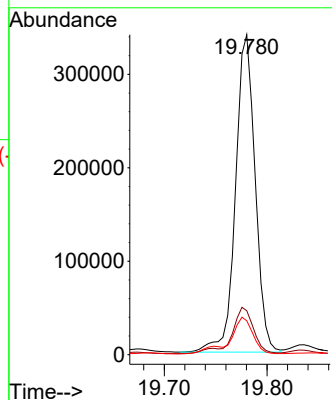
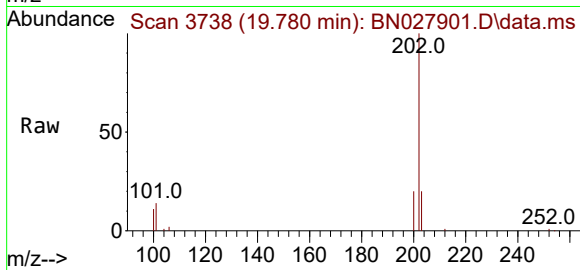
Tgt Ion:202 Resp: 450962

Ion Ratio Lower Upper

202 100

101 13.8 11.4 17.0

100 10.6 9.1 13.7



#21

Benzo(a)anthracene

Concen: 3.177 ng/ul

RT: 21.525 min Scan# 4243

Delta R.T. 0.006 min

Lab File: BN027901.D

Acq: 27 Sep 2023 16:08

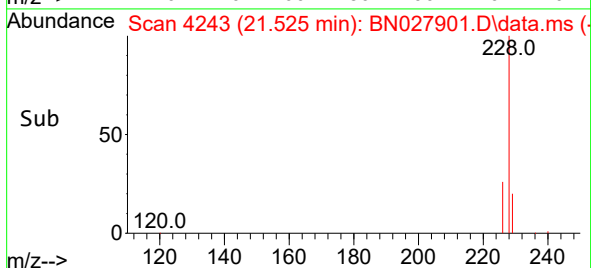
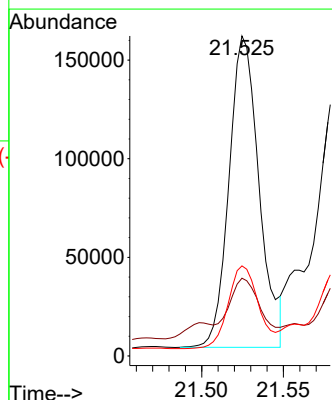
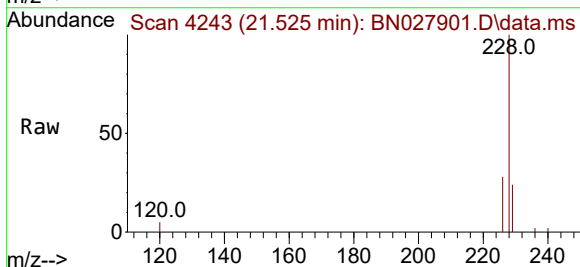
Tgt Ion:228 Resp: 202120

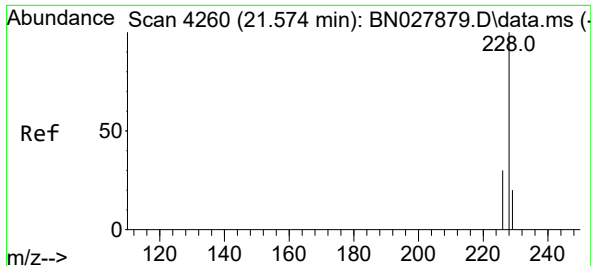
Ion Ratio Lower Upper

228 100

229 24.3 15.8 23.8#

226 28.2 22.0 33.0





#22

Chrysene

Concen: 3.109 ng/ul

RT: 21.583 min Scan# 41

Delta R.T. 0.009 min

Lab File: BN027901.D

Acq: 27 Sep 2023 16:08

Instrument :

BNA_N

ClientSampleId :

EZYM8

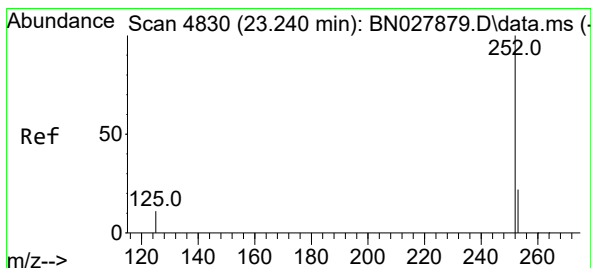
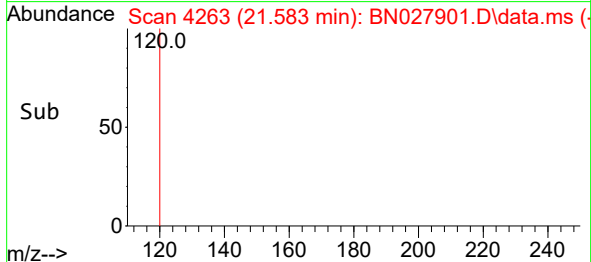
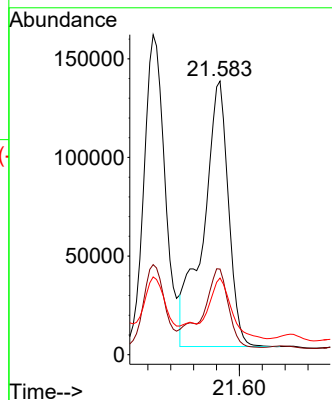
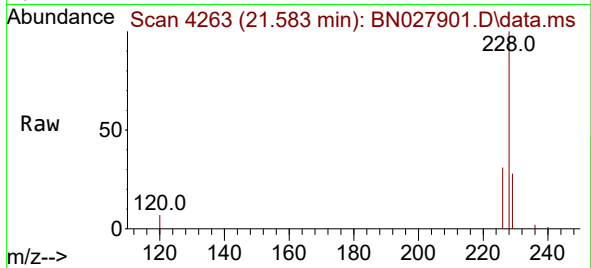
Tgt Ion:228 Resp: 204341

Ion Ratio Lower Upper

228 100

226 31.3 24.5 36.7

229 28.0 16.0 24.0#



#24

Benzo(b)fluoranthene

Concen: 4.485 ng/ul

RT: 23.252 min Scan# 4834

Delta R.T. 0.012 min

Lab File: BN027901.D

Acq: 27 Sep 2023 16:08

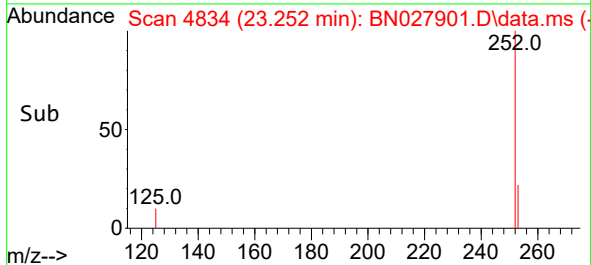
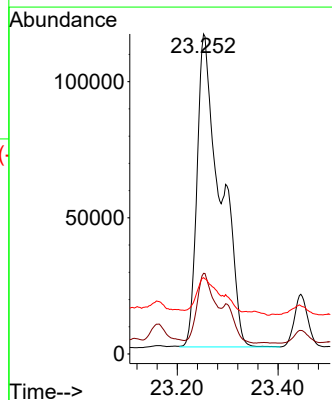
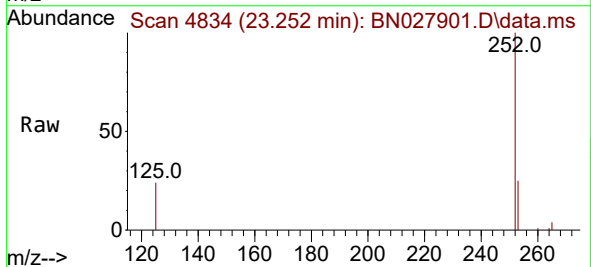
Tgt Ion:252 Resp: 367967

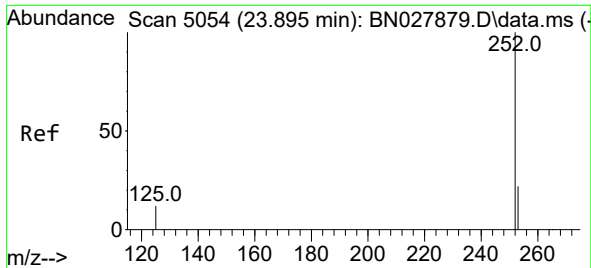
Ion Ratio Lower Upper

252 100

253 25.2 0.0 50.2

125 23.8 0.0 31.4

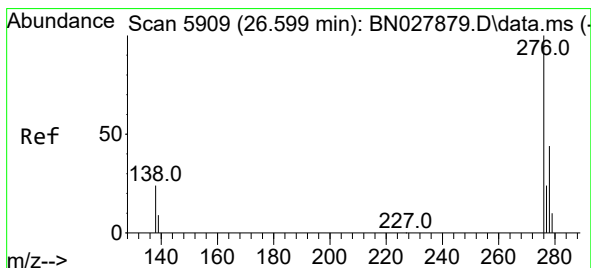
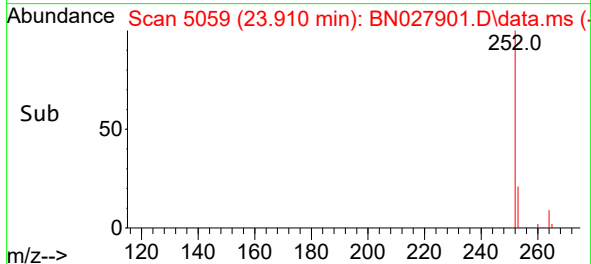
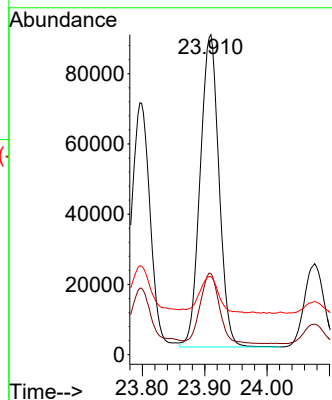
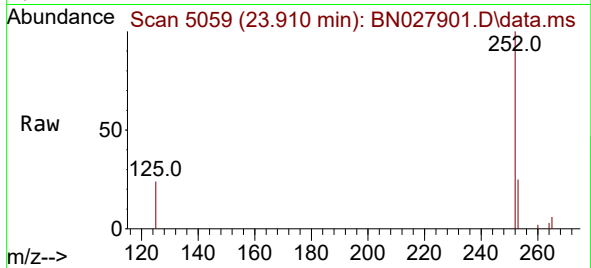




#26
Benzo(a)pyrene
Concen: 2.821 ng/ul
RT: 23.910 min Scan# 5054
Delta R.T. 0.015 min
Lab File: BN027901.D
Acq: 27 Sep 2023 16:08

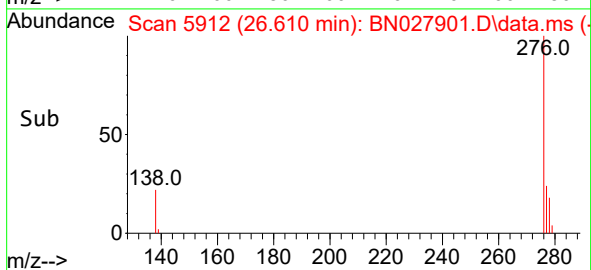
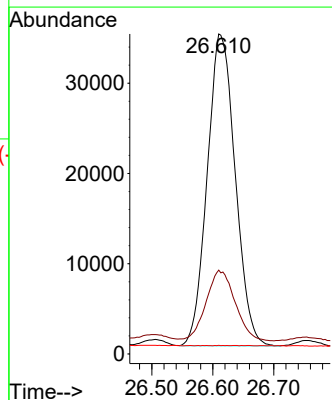
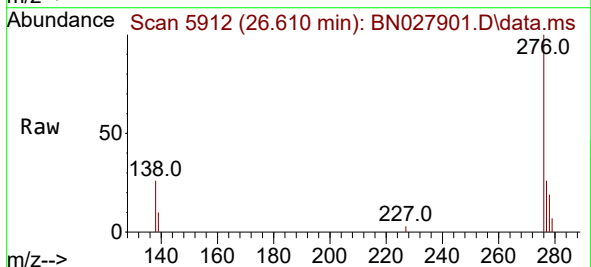
Instrument :
BNA_N
ClientSampleId :
EZYM8

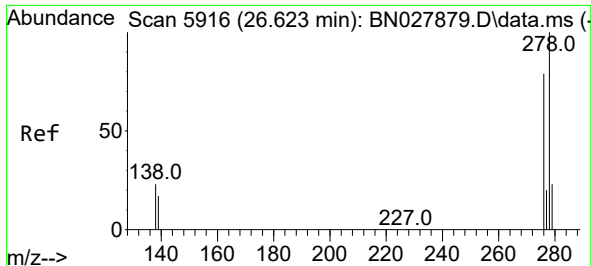
Tgt Ion:252 Resp: 186150
Ion Ratio Lower Upper
252 100
253 25.3 21.9 32.9
125 24.4 15.5 23.3#



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.304 ng/ul
RT: 26.610 min Scan# 5912
Delta R.T. 0.011 min
Lab File: BN027901.D
Acq: 27 Sep 2023 16:08

Tgt Ion:276 Resp: 110264
Ion Ratio Lower Upper
276 100
138 23.5 24.3 36.5#
227 0.0 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.444 ng/ul

RT: 26.627 min Scan# 5916

Delta R.T. 0.004 min

Lab File: BN027901.D

Acq: 27 Sep 2023 16:08

Instrument :

BNA_N

ClientSampleId :

EZYM8

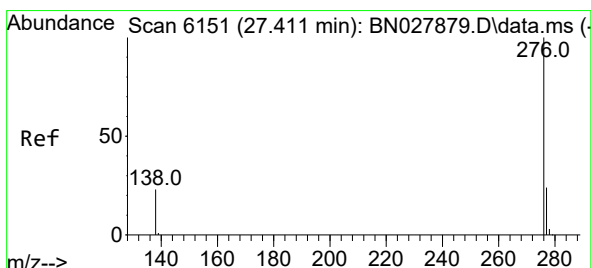
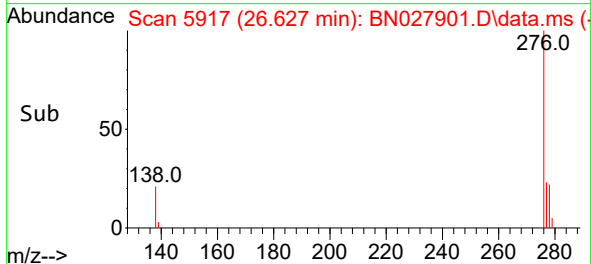
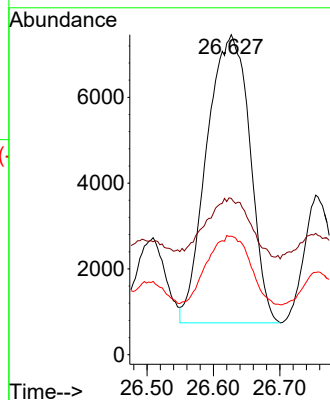
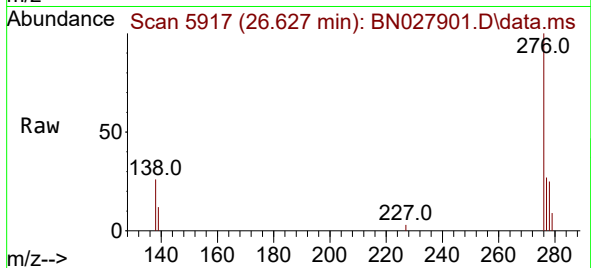
Tgt Ion:278 Resp: 30229

Ion Ratio Lower Upper

278 100

139 48.8 17.2 25.8#

279 37.0 21.4 32.0#



#29

Benzo(g,h,i)perylene

Concen: 1.510 ng/ul

RT: 27.432 min Scan# 6157

Delta R.T. 0.021 min

Lab File: BN027901.D

Acq: 27 Sep 2023 16:08

Tgt Ion:276 Resp: 108383

Ion Ratio Lower Upper

276 100

138 26.1 21.7 32.5

277 25.6 20.2 30.2

