

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100523\
 Data File : BN028090.D
 Acq On : 06 Oct 2023 18:29
 Operator : MA/JU
 Sample : 04469-04DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 07 00:32:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 06 05:15:40 2023
 Response via : Initial Calibration

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

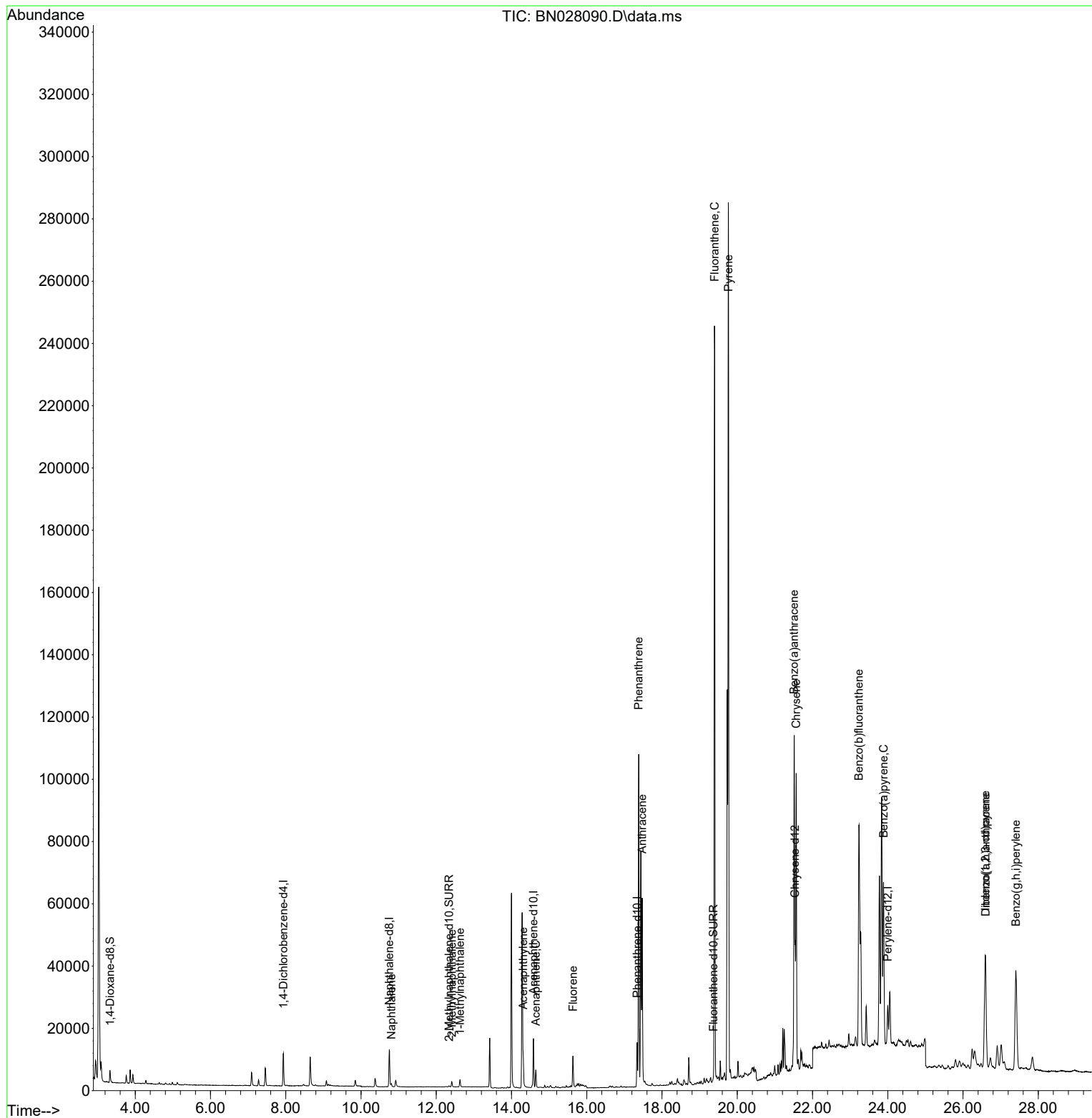
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	5435	0.400	ng/ul	0.00
4) Naphthalene-d8	10.751	136	16797	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.583	164	8638	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.337	188	17378	0.400	ng/ul	0.00
17) Chrysene-d12	21.530	240	15391	0.400	ng/ul	# 0.01
23) Perylene-d12	23.997	264	17940	0.400	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.330	96	2909	0.426	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.341	152	561	0.021	ng/ul	0.00
18) Fluoranthene-d10	19.367	212	1148	0.024	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.806	128	1320	0.028	ng/ul#	78
7) 2-Methylnaphthalene	12.412	142	1307	0.043	ng/ul	99
8) 1-Methylnaphthalene	12.632	142	1703	0.055	ng/ul	99
10) Acenaphthylene	14.310	152	10662	0.272	ng/ul	98
11) Acenaphthene	14.647	153	3407	0.109	ng/ul	99
12) Fluorene	15.633	166	6632	0.191	ng/ul	99
15) Phenanthrene	17.380	178	109700	2.118	ng/ul	99
16) Anthracene	17.472	178	64661	1.395	ng/ul	100
19) Fluoranthene	19.394	202	211690	3.602	ng/ul	99
20) Pyrene	19.766	202	241157	3.959	ng/ul	98
21) Benzo(a)anthracene	21.510	228	93398	1.662	ng/ul	96
22) Chrysene	21.565	228	103588	1.825	ng/ul	96
24) Benzo(b)fluoranthene	23.234	252	176905	2.659	ng/ul	95
26) Benzo(a)pyrene	23.886	252	80850	1.425	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.593	276	64617	0.942	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.600	278	18475	0.331	ng/ul#	57
29) Benzo(g,h,i)perylene	27.405	276	74293	1.324	ng/ul	97

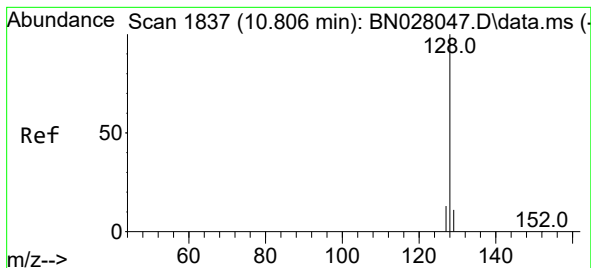
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.028 ng/ul

RT: 10.806 min Scan# 1837

Delta R.T. -0.000 min

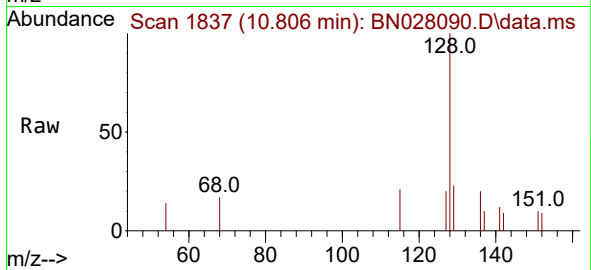
Lab File: BN028090.D

Acq: 06 Oct 2023 18:29

Instrument :

BNA_G

ClientSampleId :



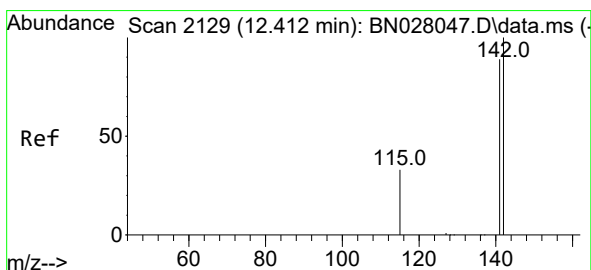
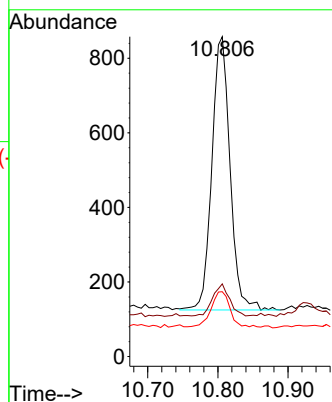
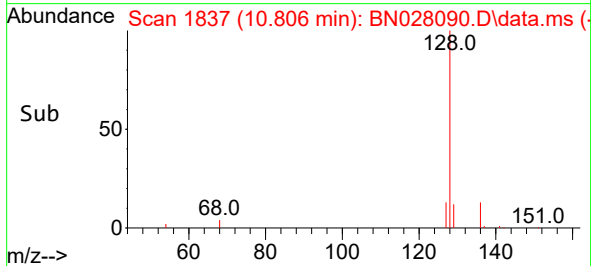
Tgt Ion:128 Resp: 1320

Ion Ratio Lower Upper

128 100

129 22.7 9.4 14.0#

127 20.3 11.0 16.4#



#7

2-Methylnaphthalene

Concen: 0.043 ng/ul

RT: 12.412 min Scan# 2129

Delta R.T. -0.000 min

Lab File: BN028090.D

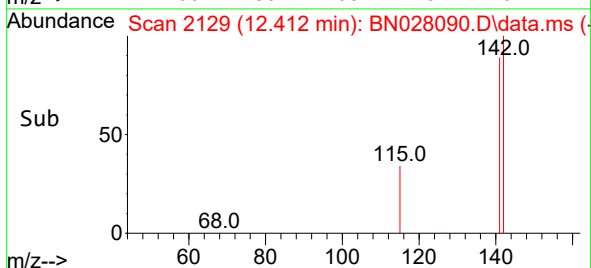
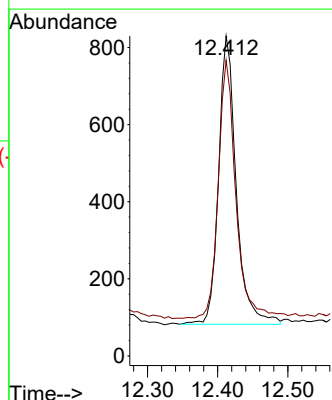
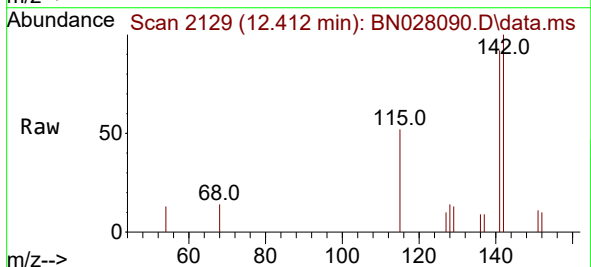
Acq: 06 Oct 2023 18:29

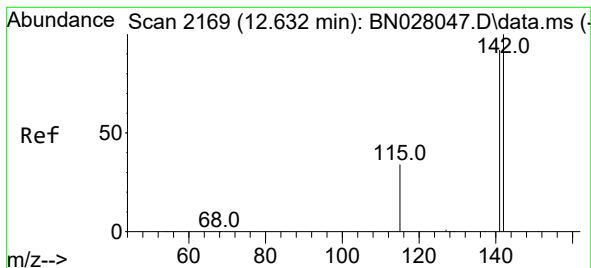
Tgt Ion:142 Resp: 1307

Ion Ratio Lower Upper

142 100

141 88.0 70.9 106.3





#8

1-Methylnaphthalene

Concen: 0.055 ng/ul

RT: 12.632 min Scan# 2169

Delta R.T. 0.005 min

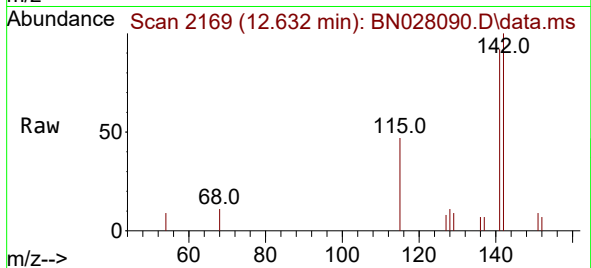
Lab File: BN028090.D

Acq: 06 Oct 2023 18:29

Instrument :

BNA_G

ClientSampleId :

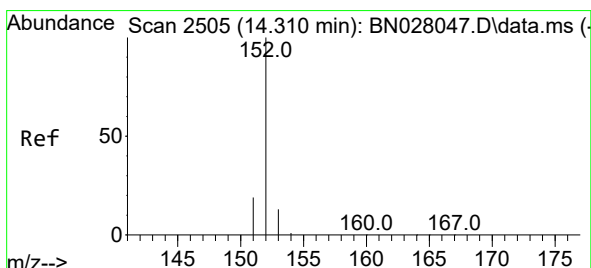
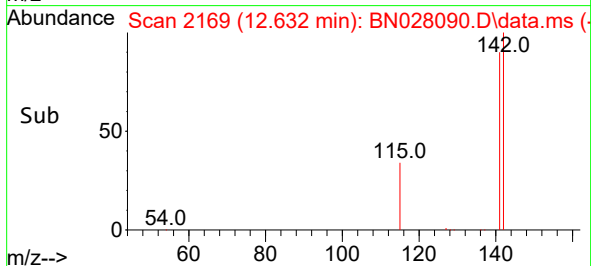
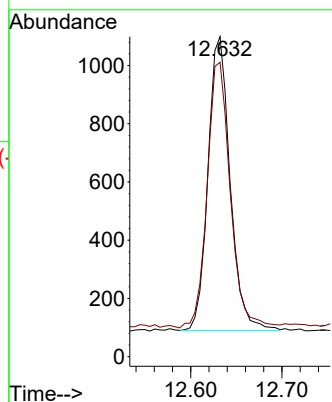


Tgt Ion:142 Resp: 1703

Ion Ratio Lower Upper

142 100

141 94.2 74.4 111.6



#10

Acenaphthylene

Concen: 0.272 ng/ul

RT: 14.310 min Scan# 2505

Delta R.T. -0.000 min

Lab File: BN028090.D

Acq: 06 Oct 2023 18:29

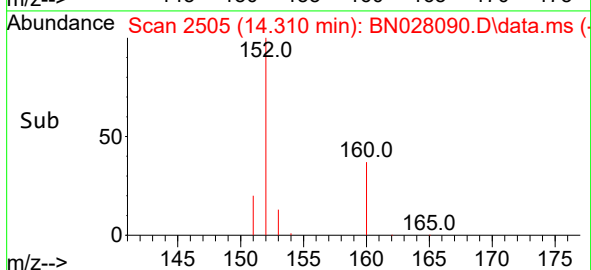
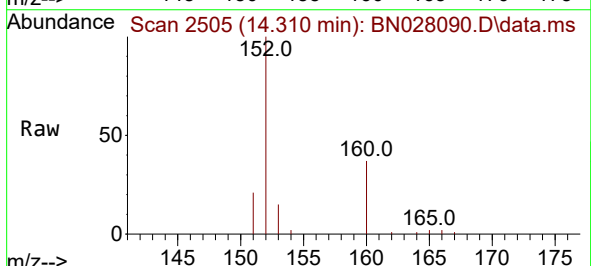
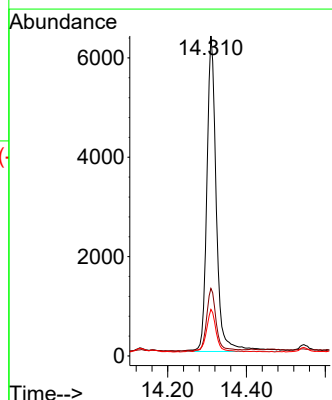
Tgt Ion:152 Resp: 10662

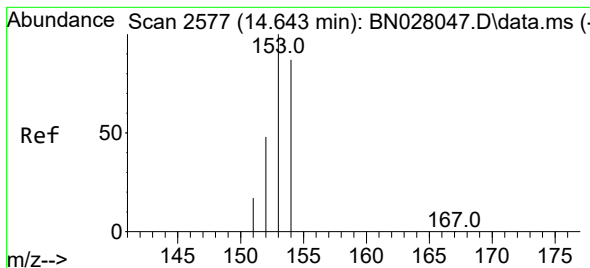
Ion Ratio Lower Upper

152 100

151 21.1 16.4 24.6

153 14.6 10.9 16.3





#11

Acenaphthene

Concen: 0.109 ng/ul

RT: 14.647 min Scan# 21

Delta R.T. 0.005 min

Lab File: BN028090.D

Acq: 06 Oct 2023 18:29

Instrument :

BNA_G

ClientSampleId :

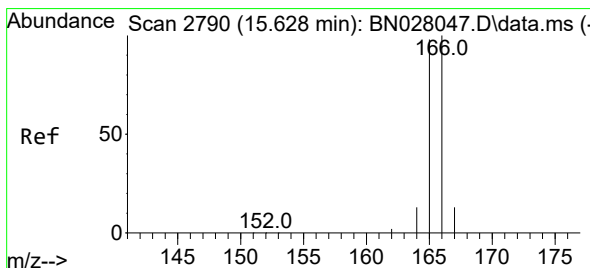
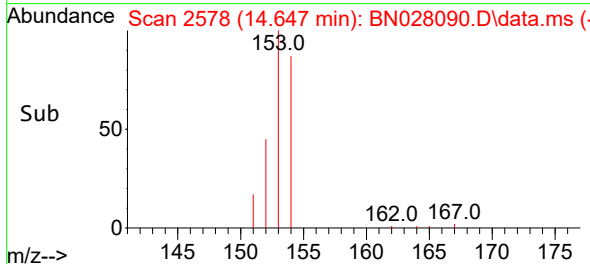
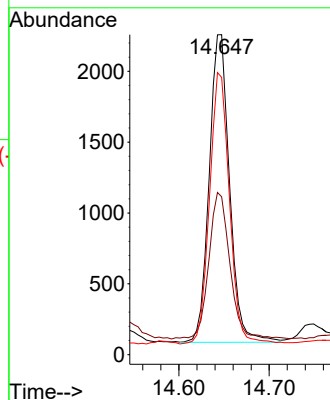
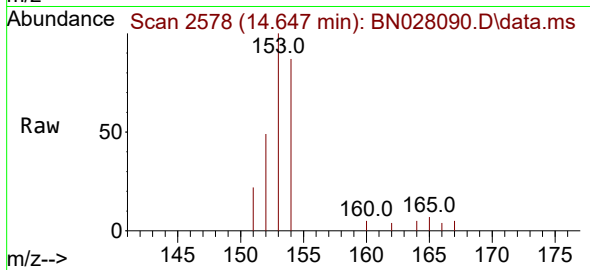
Tgt Ion:153 Resp: 3407

Ion Ratio Lower Upper

153 100

152 49.4 39.4 59.0

154 86.6 70.2 105.4



#12

Fluorene

Concen: 0.191 ng/ul

RT: 15.633 min Scan# 2791

Delta R.T. -0.000 min

Lab File: BN028090.D

Acq: 06 Oct 2023 18:29

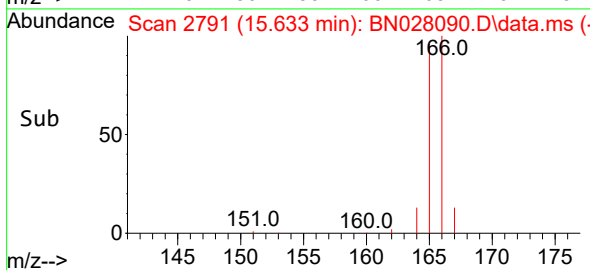
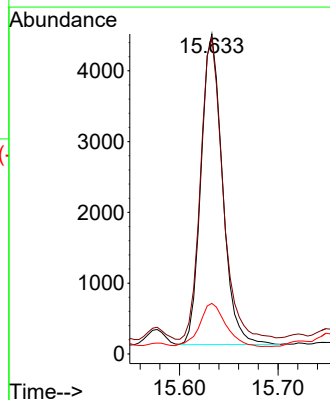
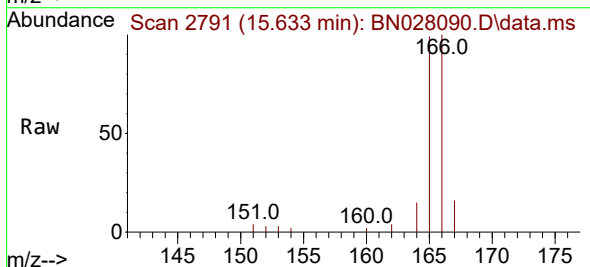
Tgt Ion:166 Resp: 6632

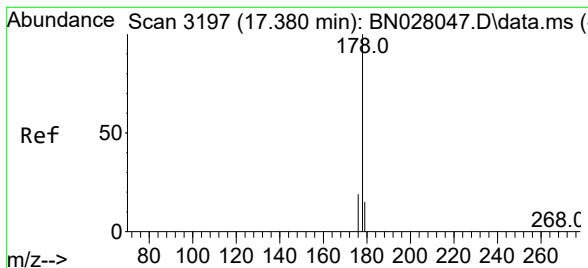
Ion Ratio Lower Upper

166 100

165 98.6 78.5 117.7

167 15.8 11.2 16.8





#15

Phenanthrene

Concen: 2.118 ng/ul

RT: 17.380 min Scan# 3197

Delta R.T. 0.004 min

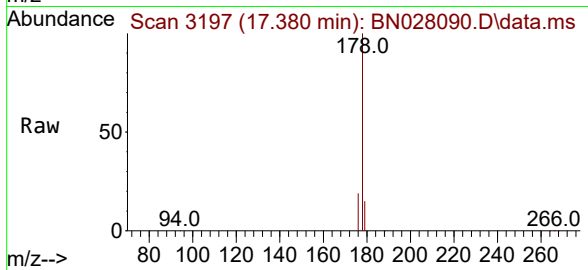
Lab File: BN028090.D

Acq: 06 Oct 2023 18:29

Instrument :

BNA_G

ClientSampleId :



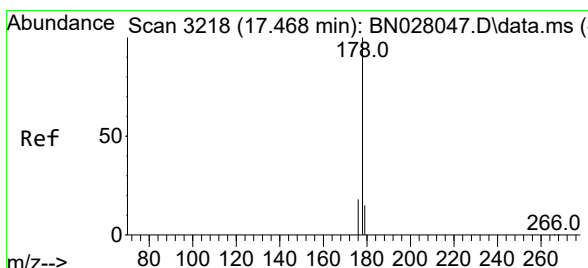
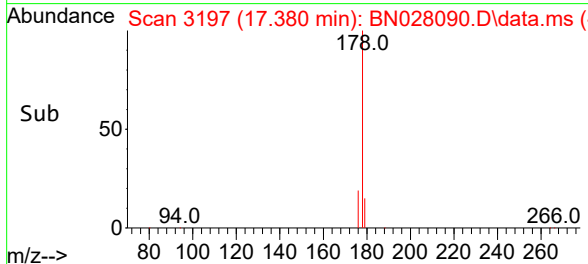
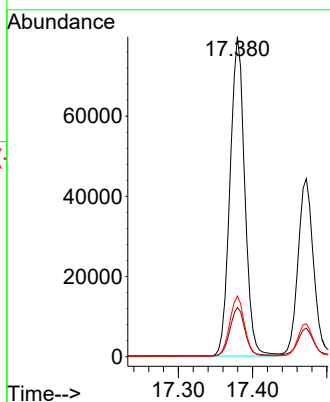
Tgt Ion:178 Resp: 109700

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

176 18.9 15.5 23.3



#16

Anthracene

Concen: 1.395 ng/ul

RT: 17.472 min Scan# 3219

Delta R.T. 0.004 min

Lab File: BN028090.D

Acq: 06 Oct 2023 18:29

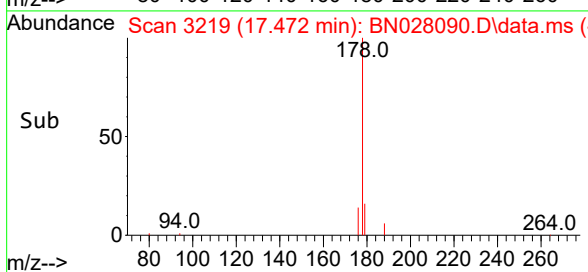
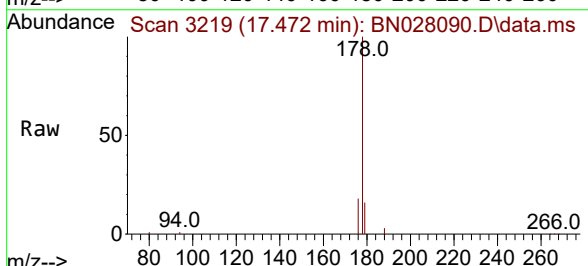
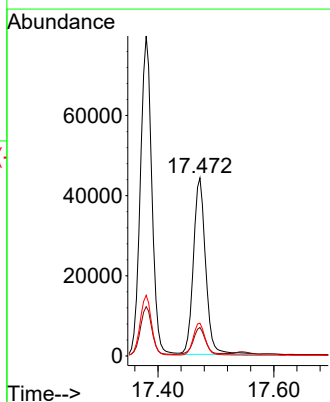
Tgt Ion:178 Resp: 64661

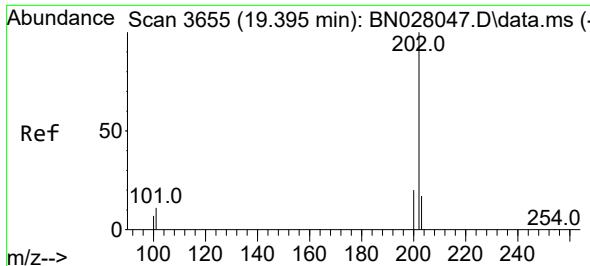
Ion Ratio Lower Upper

178 100

179 16.0 12.8 19.2

176 18.4 15.0 22.6

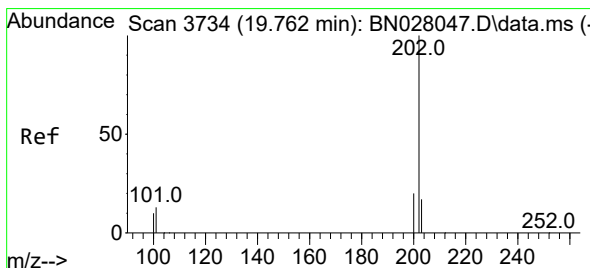
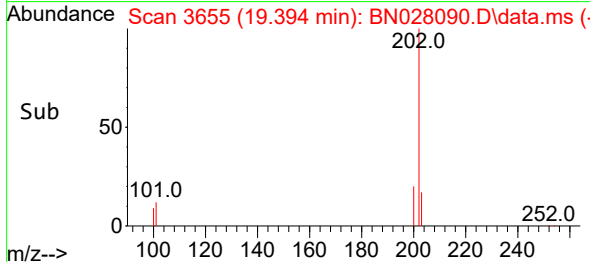
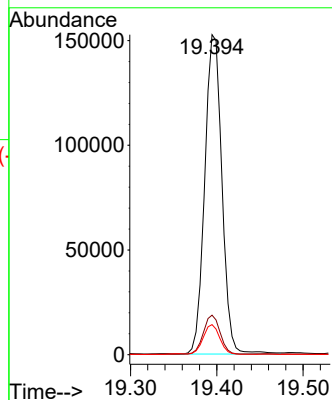
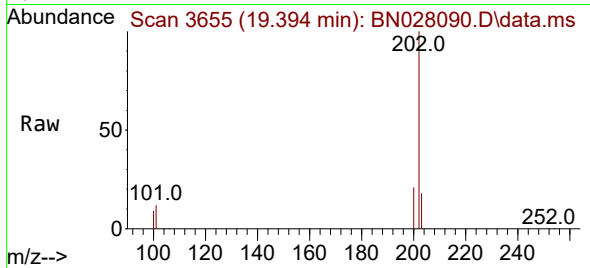




#19
Fluoranthene
Concen: 3.602 ng/ul
RT: 19.394 min Scan# 3655
Delta R.T. 0.005 min
Lab File: BN028090.D
Acq: 06 Oct 2023 18:29

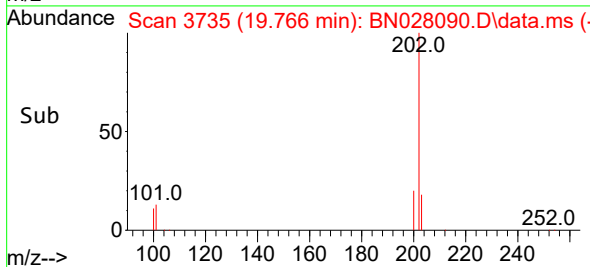
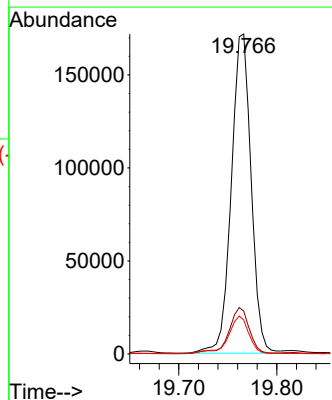
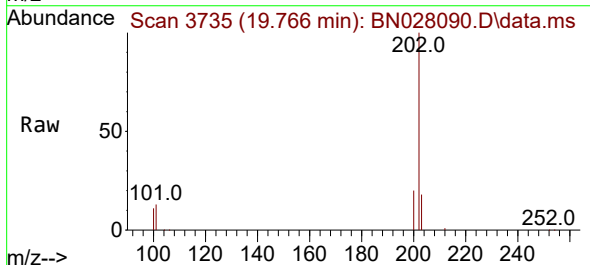
Instrument :
BNA_G
ClientSampleId :

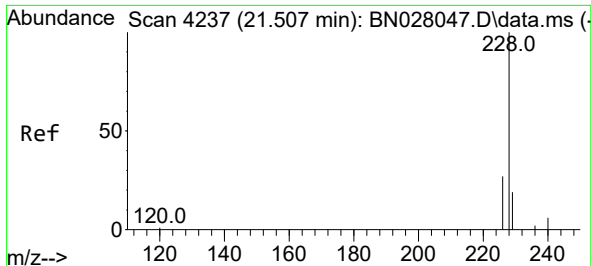
Tgt Ion:202 Resp: 211690
Ion Ratio Lower Upper
202 100
101 12.3 9.6 14.4
100 9.4 7.4 11.0



#20
Pyrene
Concen: 3.959 ng/ul
RT: 19.766 min Scan# 3735
Delta R.T. 0.009 min
Lab File: BN028090.D
Acq: 06 Oct 2023 18:29

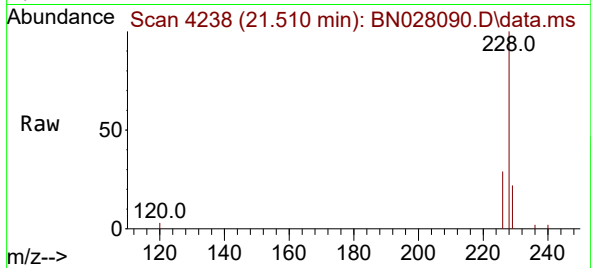
Tgt Ion:202 Resp: 241157
Ion Ratio Lower Upper
202 100
101 13.4 11.2 16.8
100 10.6 9.1 13.7



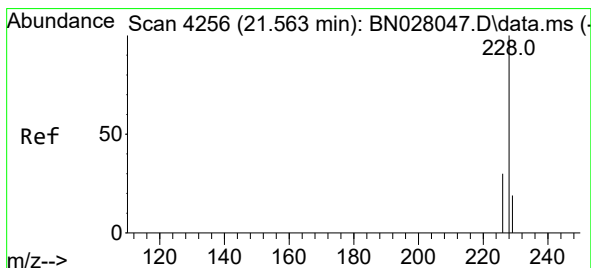
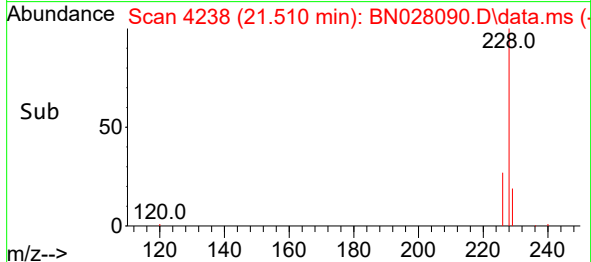
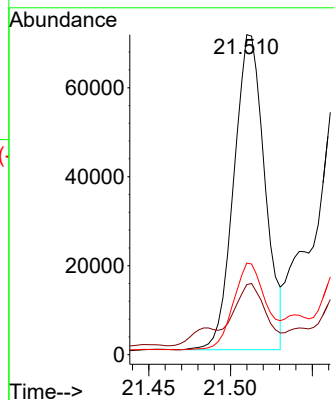


#21
Benzo(a)anthracene
Concen: 1.662 ng/ul
RT: 21.510 min Scan# 41
Delta R.T. 0.009 min
Lab File: BN028090.D
Acq: 06 Oct 2023 18:29

Instrument :
BNA_G
ClientSampleId :

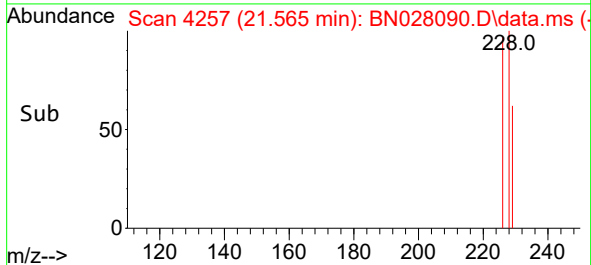
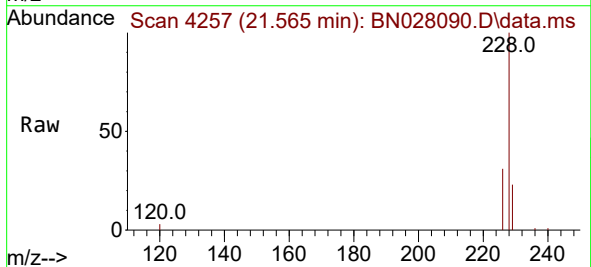
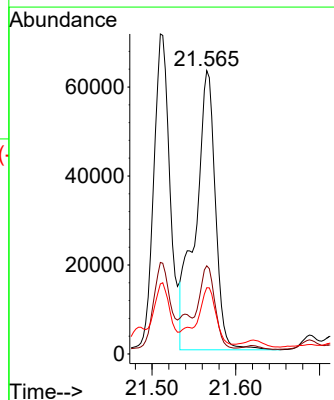


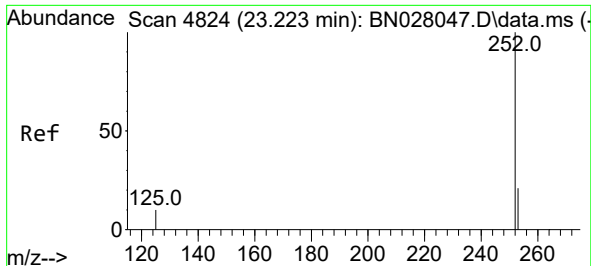
Tgt Ion:228 Resp: 93398
Ion Ratio Lower Upper
228 100
229 21.9 16.0 24.0
226 28.6 21.5 32.3



#22
Chrysene
Concen: 1.825 ng/ul
RT: 21.565 min Scan# 4257
Delta R.T. 0.009 min
Lab File: BN028090.D
Acq: 06 Oct 2023 18:29

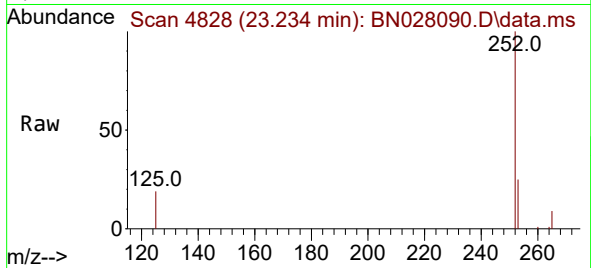
Tgt Ion:228 Resp: 103588
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.8
229 23.4 16.0 24.0



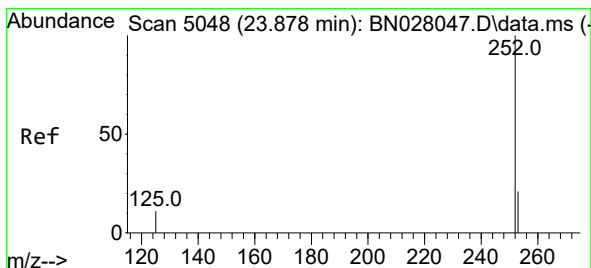
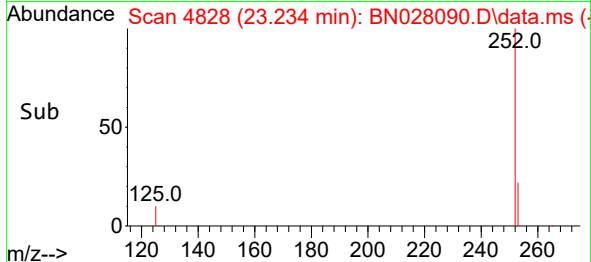
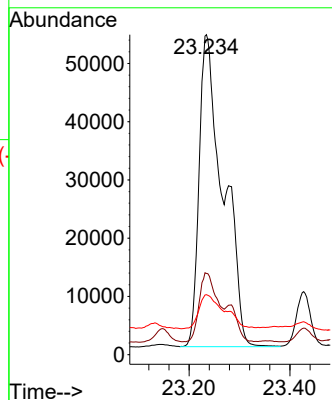


#24
Benzo(b)fluoranthene
Concen: 2.659 ng/ul
RT: 23.234 min Scan# 41
Delta R.T. 0.018 min
Lab File: BN028090.D
Acq: 06 Oct 2023 18:29

Instrument :
BNA_G
ClientSampleId :

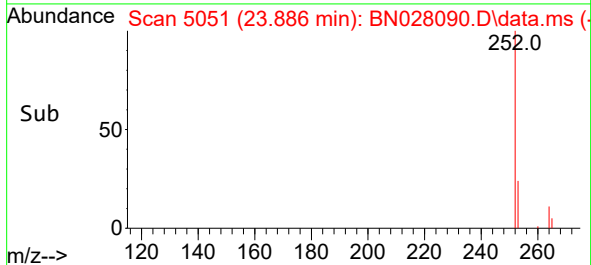
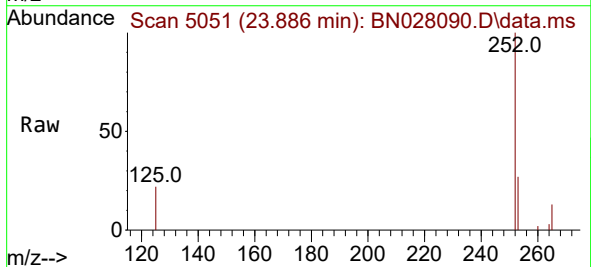
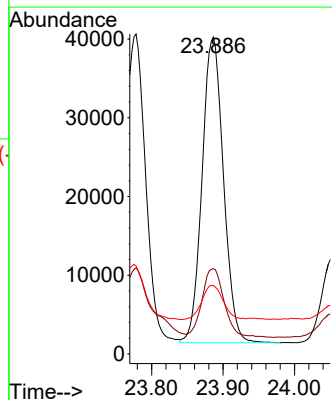


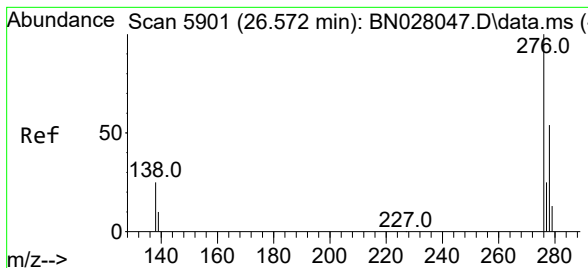
Tgt Ion:252 Resp: 176905
Ion Ratio Lower Upper
252 100
253 25.4 0.0 54.0
125 18.8 0.0 31.4



#26
Benzo(a)pyrene
Concen: 1.425 ng/ul
RT: 23.886 min Scan# 5051
Delta R.T. 0.018 min
Lab File: BN028090.D
Acq: 06 Oct 2023 18:29

Tgt Ion:252 Resp: 80850
Ion Ratio Lower Upper
252 100
253 26.9 23.4 35.2
125 21.6 15.3 22.9





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.942 ng/ul

RT: 26.593 min Scan# 5907

Delta R.T. 0.027 min

Lab File: BN028090.D

Acq: 06 Oct 2023 18:29

Instrument :

BNA_G

ClientSampleId :

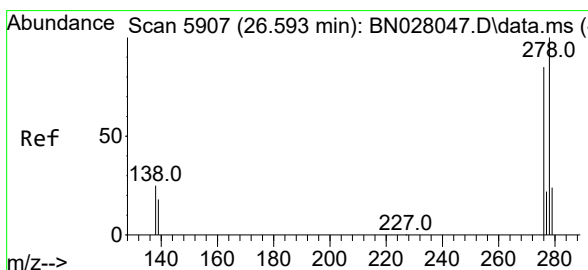
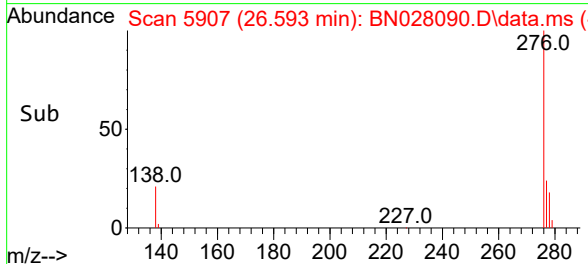
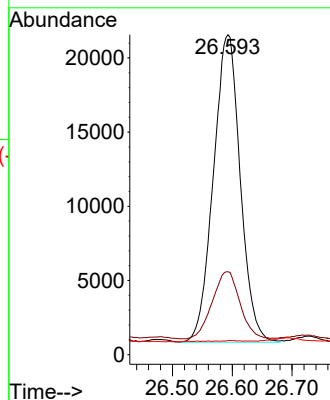
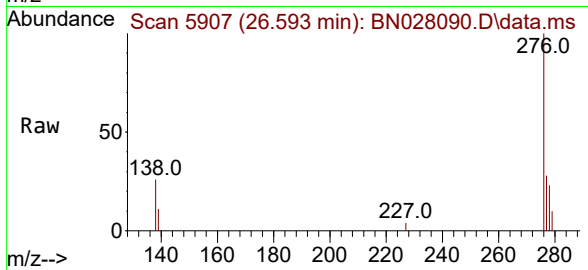
Tgt Ion:276 Resp: 64617

Ion Ratio Lower Upper

276 100

138 22.6 21.6 32.4

227 0.1 0.2 0.2#



#28

Dibenzo(a,h)anthracene

Concen: 0.331 ng/ul

RT: 26.600 min Scan# 5909

Delta R.T. 0.017 min

Lab File: BN028090.D

Acq: 06 Oct 2023 18:29

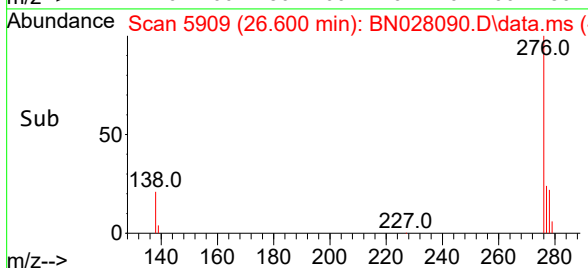
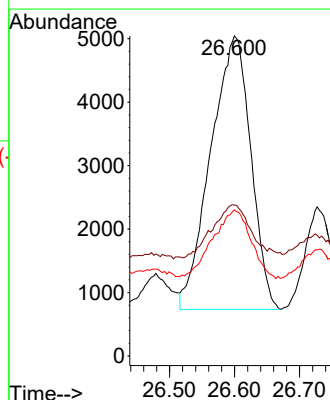
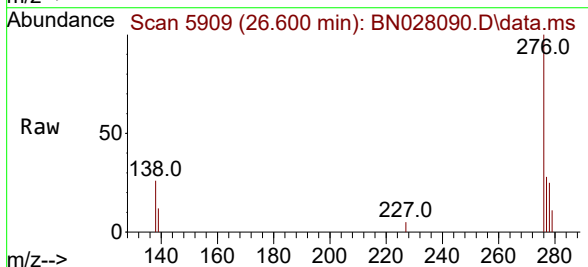
Tgt Ion:278 Resp: 18475

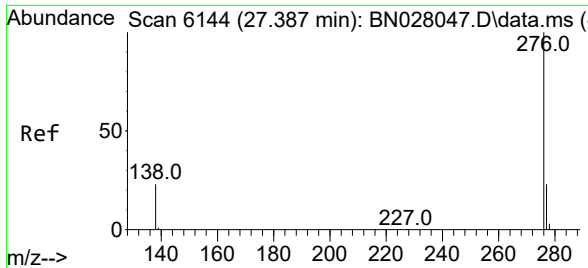
Ion Ratio Lower Upper

278 100

139 47.1 15.9 23.9#

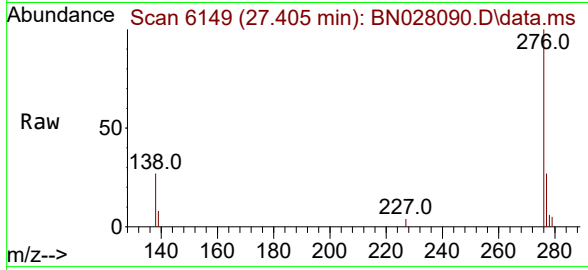
279 45.6 22.8 34.2#





#29
 Benzo(g,h,i)perylene
 Concen: 1.324 ng/ul
 RT: 27.405 min Scan# 6149
 Delta R.T. 0.027 min
 Lab File: BN028090.D
 Acq: 06 Oct 2023 18:29

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:	276	Resp:	74293
Ion Ratio	Lower	Upper	
276	100		
138	26.6	19.8	29.6
277	27.1	20.6	31.0

