

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN027032.D
 Acq On : 22 Aug 2023 18:22
 Operator : MA/JU
 Sample : 03697-23DL 5X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48N4DL

Quant Time: Aug 23 01:43:43 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)

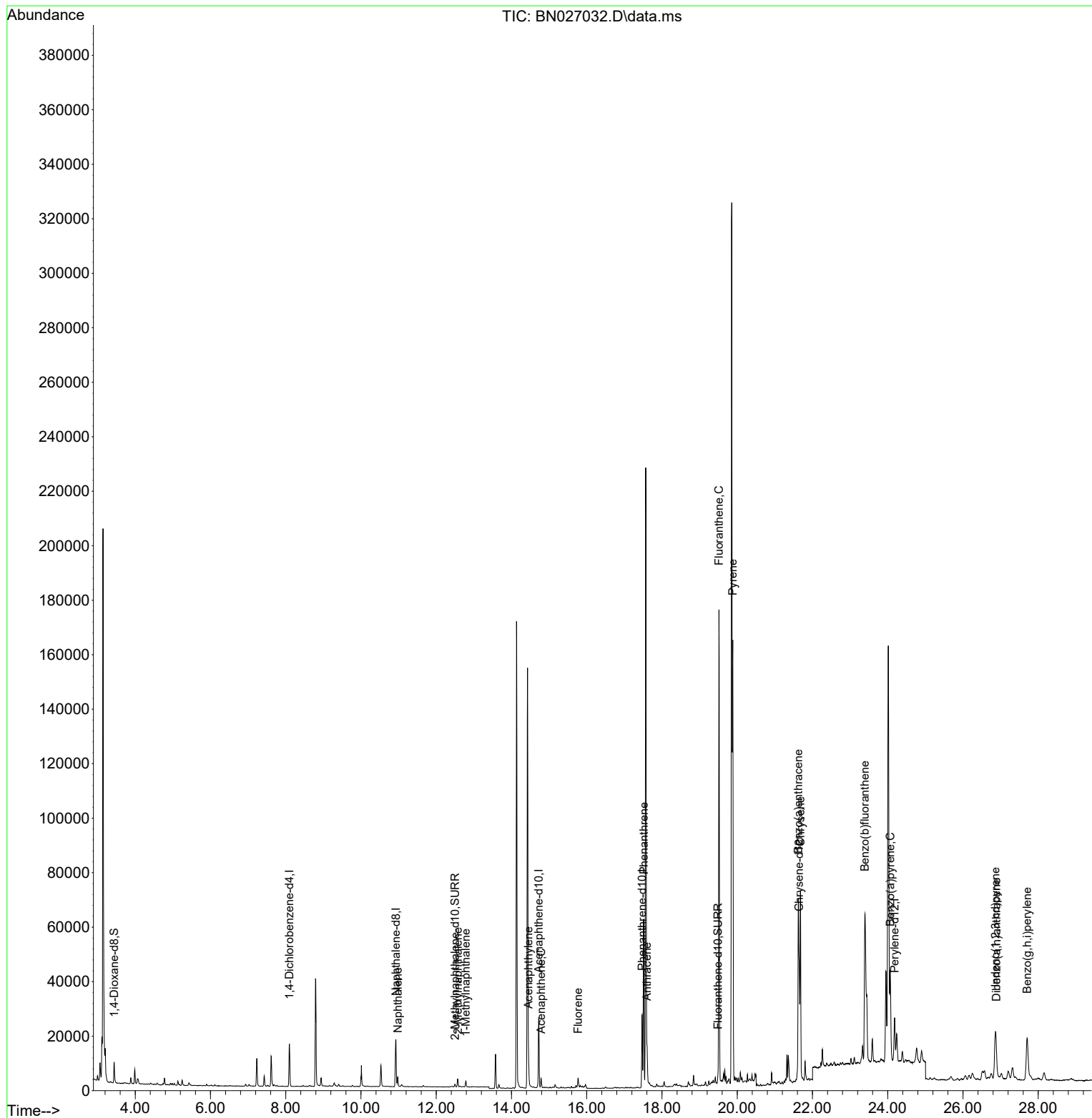
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.097	152	7718	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	25329	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.726	164	14491	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	32062	0.400	ng/ul	0.00
17) Chrysene-d12	21.641	240	26032	0.400	ng/ul	# 0.00
23) Perylene-d12	24.181	264	22274	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	5543	0.605	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	1390	0.037	ng/ul	0.00
18) Fluoranthene-d10	19.487	212	3498	0.043	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.977	128	4572	0.064	ng/ul#	93
7) 2-Methylnaphthalene	12.572	142	2233	0.052	ng/ul	97
8) 1-Methylnaphthalene	12.786	142	1502	0.033	ng/ul	99
10) Acenaphthylene	14.453	152	9109	0.112	ng/ul	97
11) Acenaphthene	14.786	153	2000	0.036	ng/ul	96
12) Fluorene	15.767	166	2506	0.039	ng/ul#	97
15) Phenanthrene	17.514	178	65750	0.624	ng/ul	100
16) Anthracene	17.603	178	12976	0.136	ng/ul	97
19) Fluoranthene	19.515	202	141640	1.310	ng/ul	98
20) Pyrene	19.882	202	133826	1.160	ng/ul	98
21) Benzo(a)anthracene	21.623	228	59581	0.575	ng/ul	97
22) Chrysene	21.679	228	78832	0.771	ng/ul	97
24) Benzo(b)fluoranthene	23.392	252	123428	1.465	ng/ul#	83
26) Benzo(a)pyrene	24.067	252	51514	0.678	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.864	276	35455	0.357	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.887	278	9758	0.123	ng/ul#	49
29) Benzo(g,h,i)perylene	27.706	276	38635	0.467	ng/ul	93

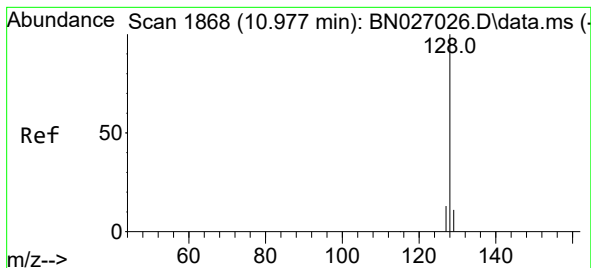
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.064 ng/ul

RT: 10.977 min Scan# 1868

Delta R.T. -0.005 min

Lab File: BN027032.D

Acq: 22 Aug 2023 18:22

Instrument :

BNA_N

ClientSampleId :

A48N4DL

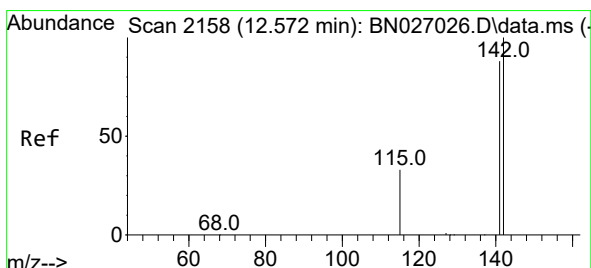
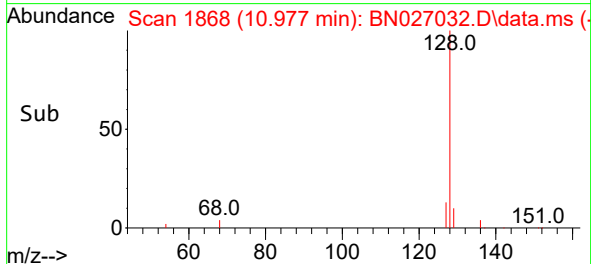
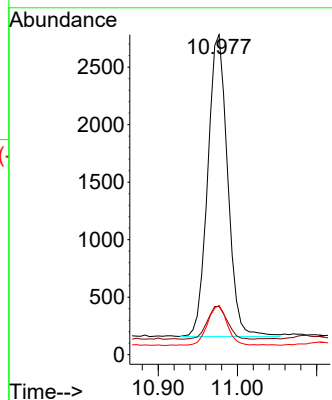
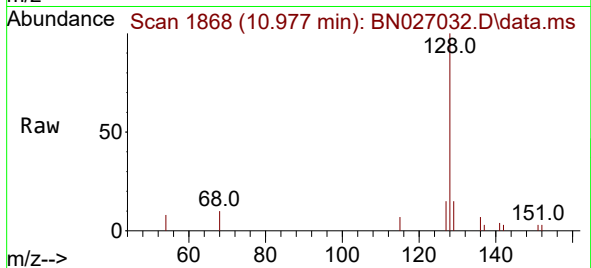
Tgt Ion:128 Resp: 4572

Ion Ratio Lower Upper

128 100

129 15.1 9.2 13.8#

127 15.4 10.5 15.7



#7

2-Methylnaphthalene

Concen: 0.052 ng/ul

RT: 12.572 min Scan# 2158

Delta R.T. -0.005 min

Lab File: BN027032.D

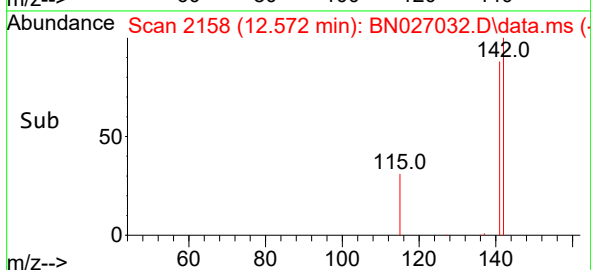
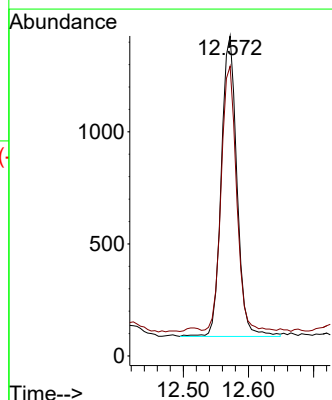
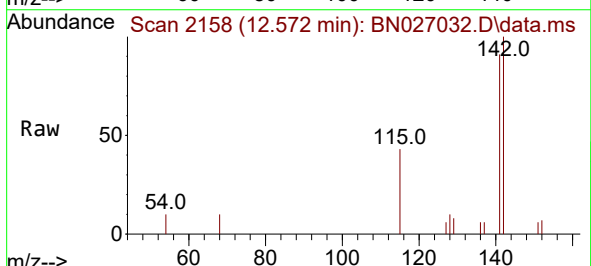
Acq: 22 Aug 2023 18:22

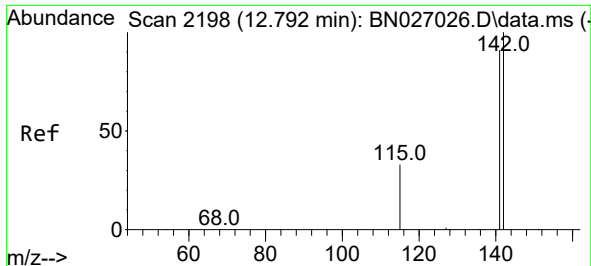
Tgt Ion:142 Resp: 2233

Ion Ratio Lower Upper

142 100

141 85.9 70.9 106.3

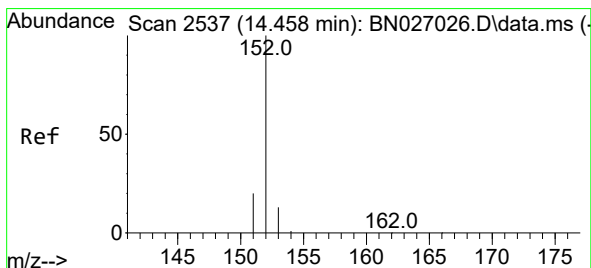
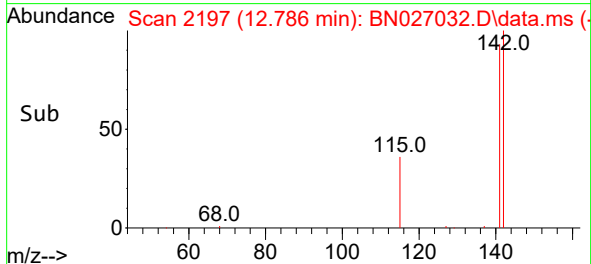
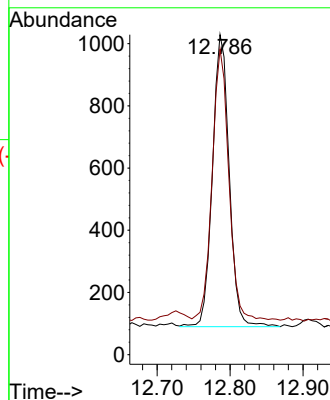
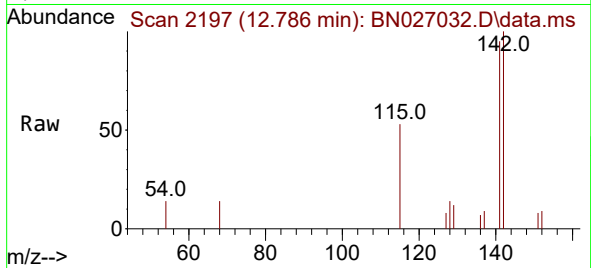




#8
1-Methylnaphthalene
Concen: 0.033 ng/ul
RT: 12.786 min Scan# 2197
Delta R.T. -0.005 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

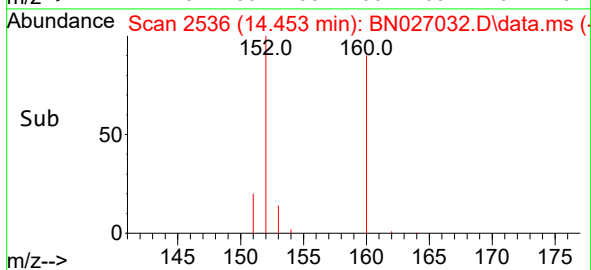
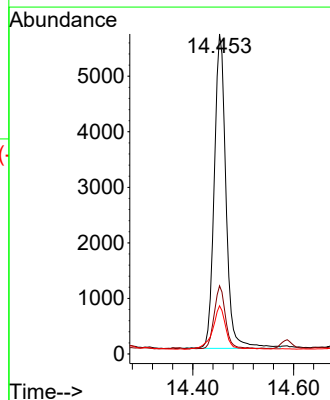
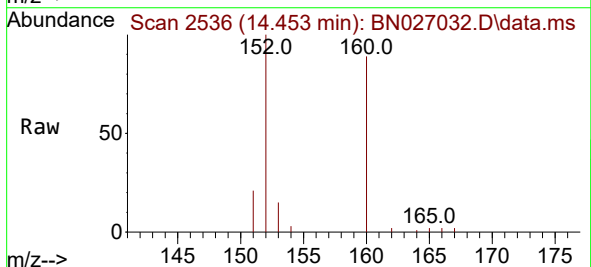
Instrument :
BNA_N
ClientSampleId :
A48N4DL

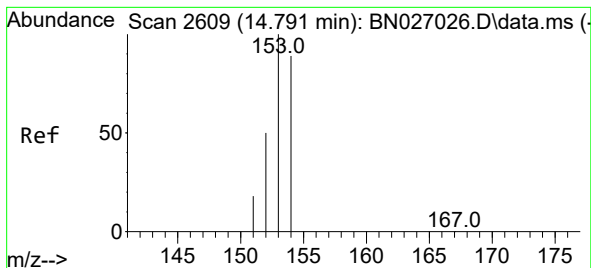
Tgt Ion:142 Resp: 1502
Ion Ratio Lower Upper
142 100
141 92.2 73.2 109.8



#10
Acenaphthylene
Concen: 0.112 ng/ul
RT: 14.453 min Scan# 2536
Delta R.T. -0.005 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

Tgt Ion:152 Resp: 9109
Ion Ratio Lower Upper
152 100
151 21.3 15.9 23.9
153 15.0 11.0 16.6





#11

Acenaphthene

Concen: 0.036 ng/ul

RT: 14.786 min Scan# 2

Delta R.T. -0.005 min

Lab File: BN027032.D

Acq: 22 Aug 2023 18:22

Instrument :

BNA_N

ClientSampleId :

A48N4DL

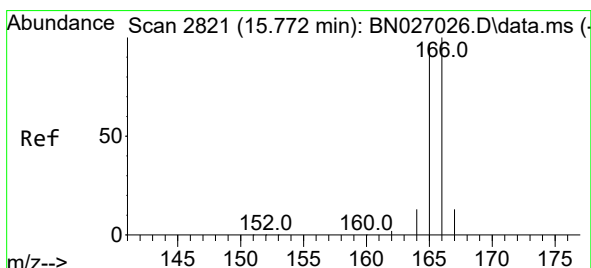
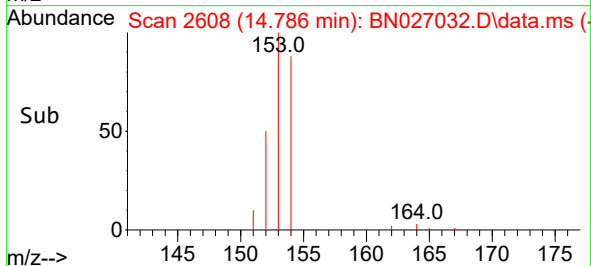
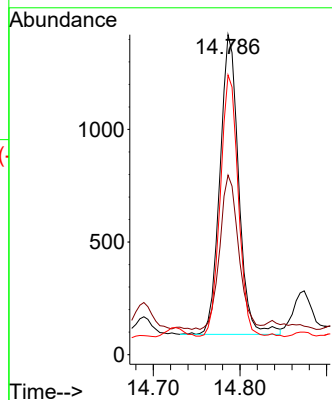
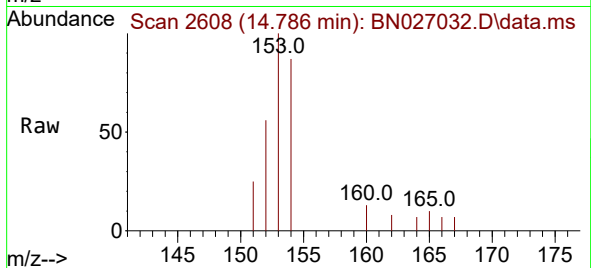
Tgt Ion:153 Resp: 2000

Ion Ratio Lower Upper

153 100

152 56.1 41.1 61.7

154 87.4 71.6 107.4



#12

Fluorene

Concen: 0.039 ng/ul

RT: 15.767 min Scan# 2820

Delta R.T. -0.005 min

Lab File: BN027032.D

Acq: 22 Aug 2023 18:22

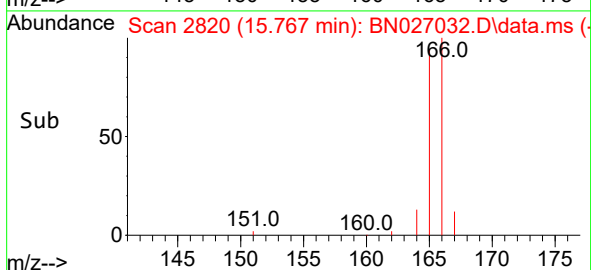
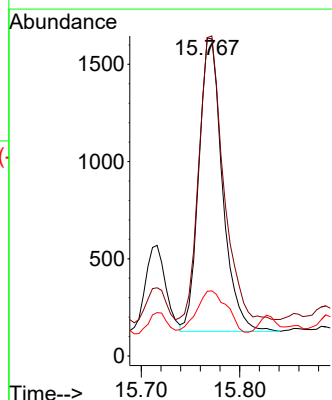
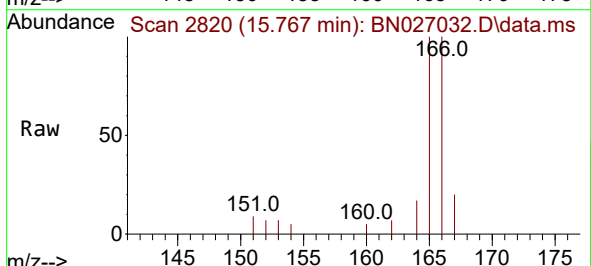
Tgt Ion:166 Resp: 2506

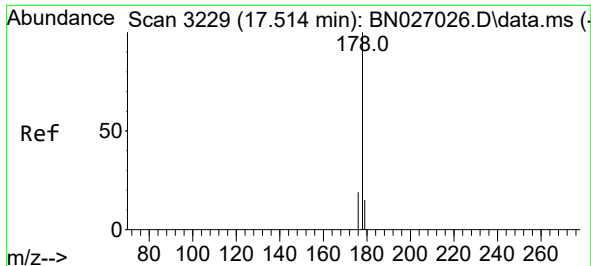
Ion Ratio Lower Upper

166 100

165 100.1 79.1 118.7

167 20.4 11.4 17.0#

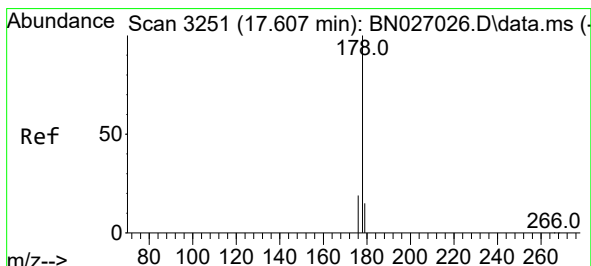
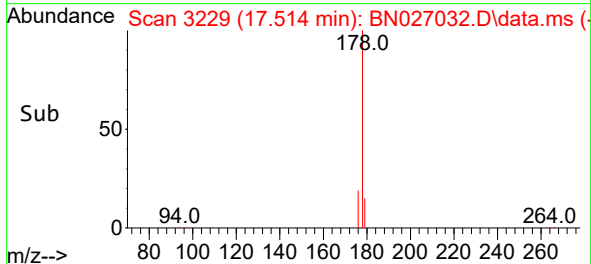
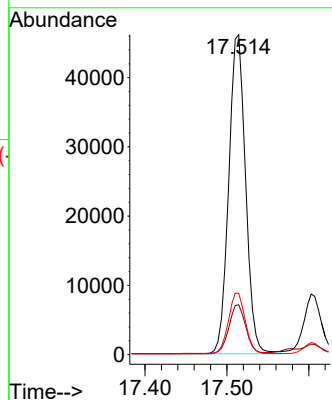
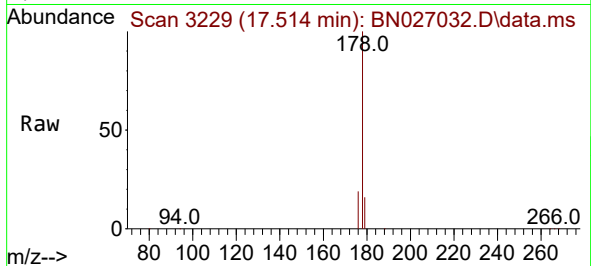




#15
Phenanthrene
Concen: 0.624 ng/ul
RT: 17.514 min Scan# 31
Delta R.T. -0.005 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

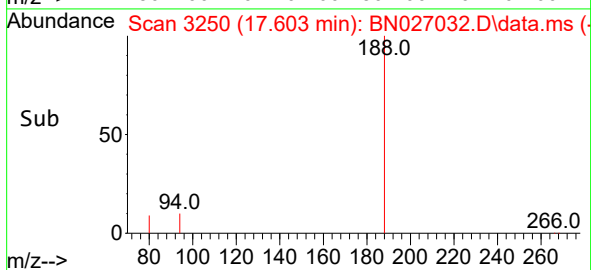
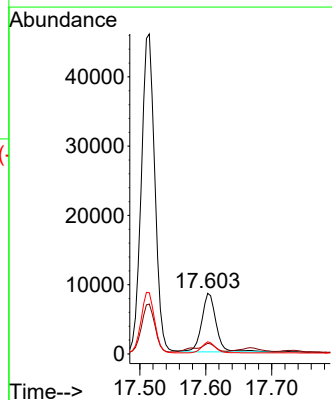
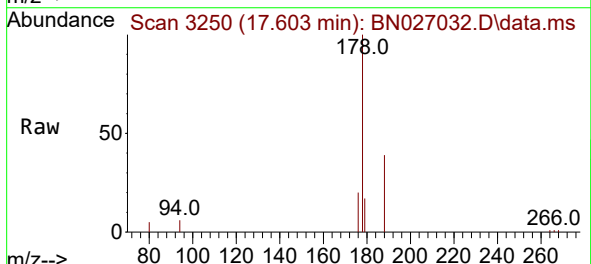
Instrument :
BNA_N
ClientSampleId :
A48N4DL

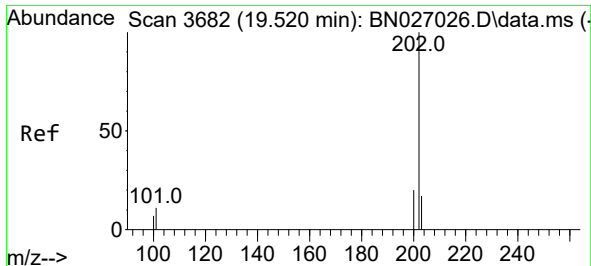
Tgt Ion:178 Resp: 65750
Ion Ratio Lower Upper
178 100
179 15.6 12.6 18.8
176 19.2 15.4 23.2



#16
Anthracene
Concen: 0.136 ng/ul
RT: 17.603 min Scan# 3250
Delta R.T. -0.005 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

Tgt Ion:178 Resp: 12976
Ion Ratio Lower Upper
178 100
179 17.4 12.6 19.0
176 20.0 15.0 22.6

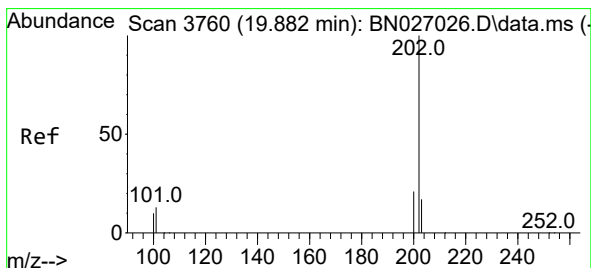
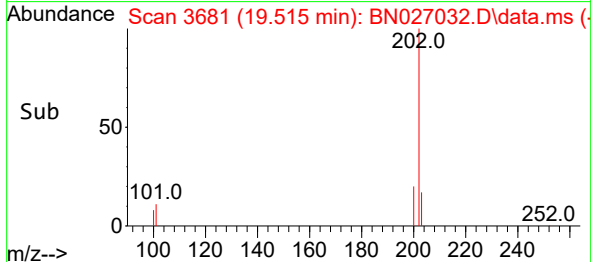
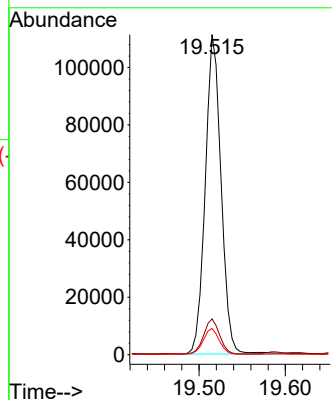
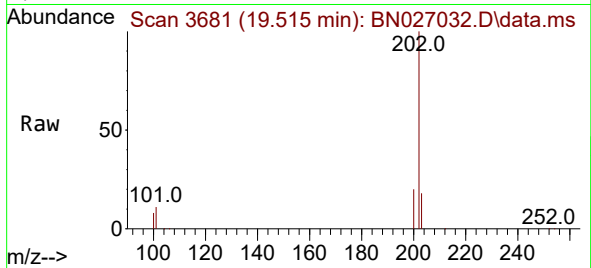




#19
Fluoranthene
Concen: 1.310 ng/ul
RT: 19.515 min Scan# 3681
Delta R.T. -0.010 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

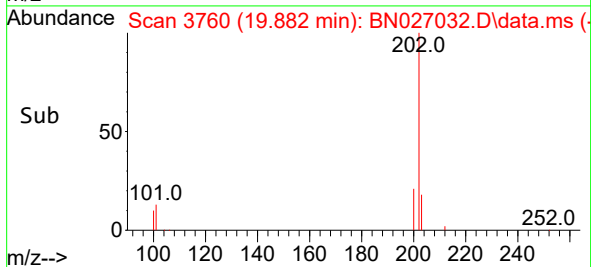
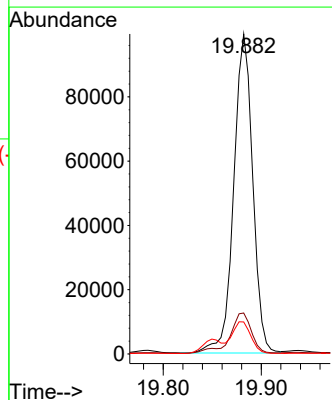
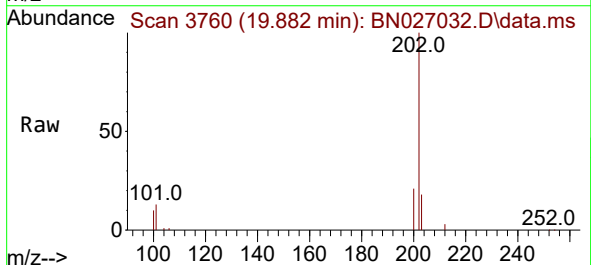
Instrument :
BNA_N
ClientSampleId :
A48N4DL

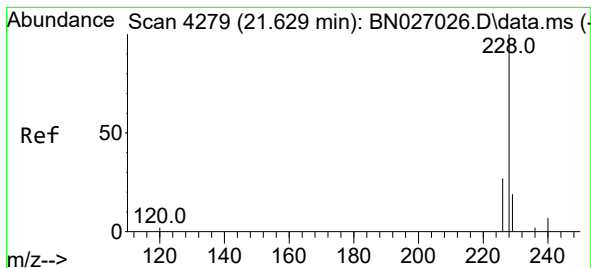
Tgt Ion:202 Resp: 141640
Ion Ratio Lower Upper
202 100
101 11.2 8.3 12.5
100 8.2 6.2 9.2



#20
Pyrene
Concen: 1.160 ng/ul
RT: 19.882 min Scan# 3760
Delta R.T. -0.005 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

Tgt Ion:202 Resp: 133826
Ion Ratio Lower Upper
202 100
101 12.8 10.7 16.1
100 10.0 8.5 12.7





#21

Benzo(a)anthracene

Concen: 0.575 ng/ul

RT: 21.623 min Scan# 41

Delta R.T. -0.009 min

Lab File: BN027032.D

Acq: 22 Aug 2023 18:22

Instrument :

BNA_N

ClientSampleId :

A48N4DL

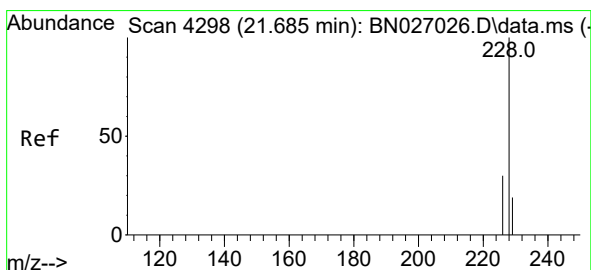
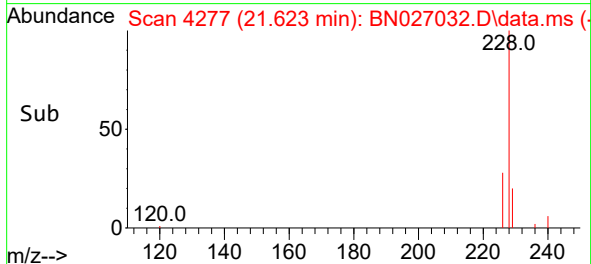
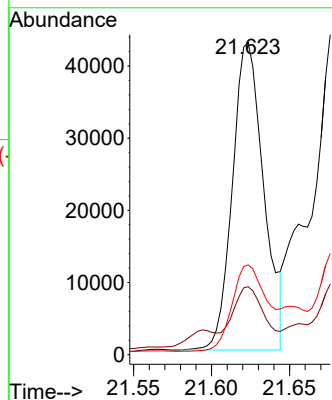
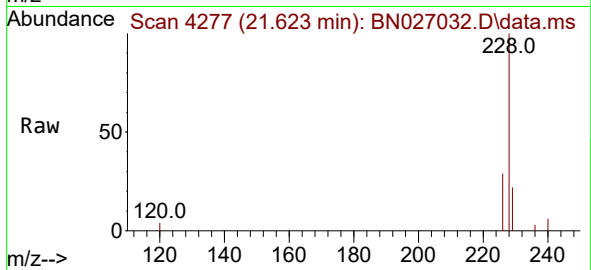
Tgt Ion:228 Resp: 59581

Ion Ratio Lower Upper

228 100

229 21.8 16.0 24.0

226 28.8 22.2 33.2



#22

Chrysene

Concen: 0.771 ng/ul

RT: 21.679 min Scan# 4296

Delta R.T. -0.012 min

Lab File: BN027032.D

Acq: 22 Aug 2023 18:22

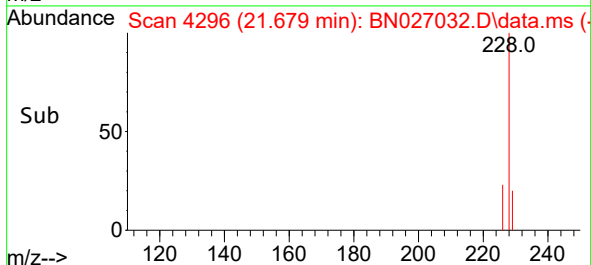
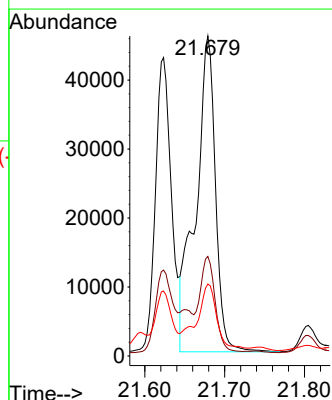
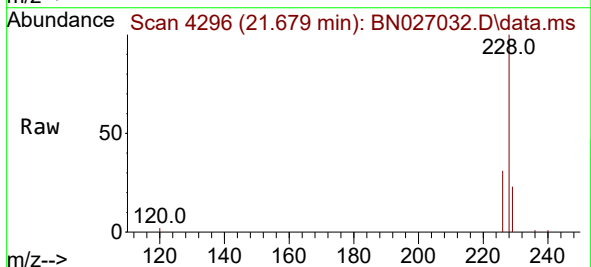
Tgt Ion:228 Resp: 78832

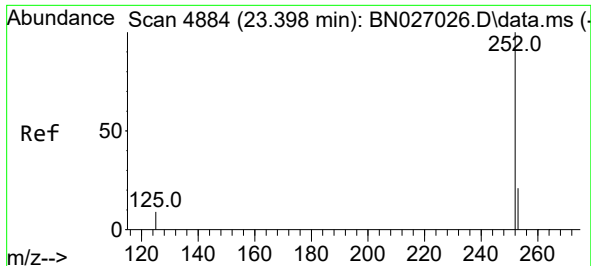
Ion Ratio Lower Upper

228 100

226 31.1 24.6 36.8

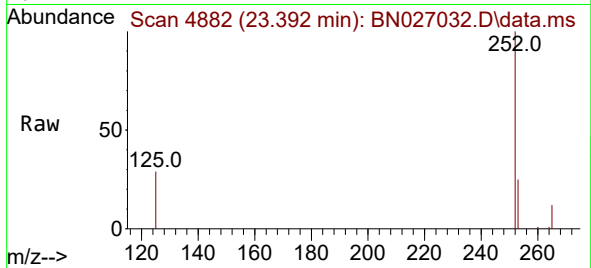
229 22.5 15.8 23.6



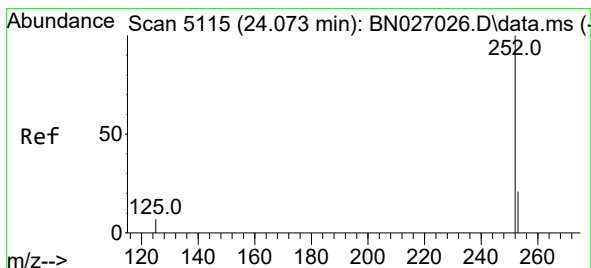
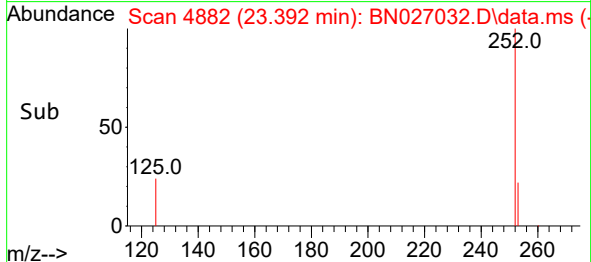
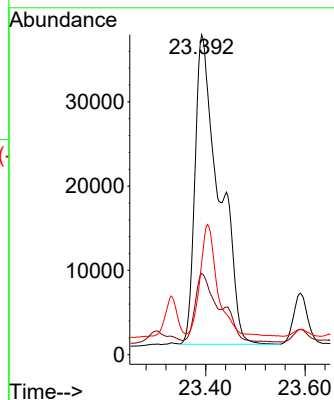


#24
Benzo(b)fluoranthene
Concen: 1.465 ng/ul
RT: 23.392 min Scan# 4882
Delta R.T. -0.015 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

Instrument :
BNA_N
ClientSampleId :
A48N4DL

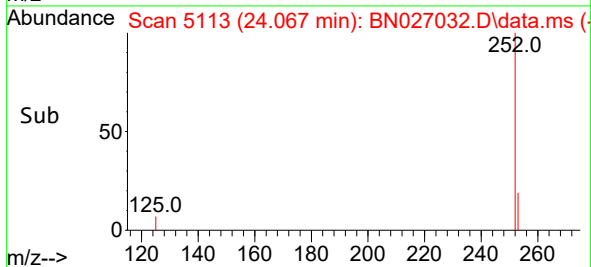
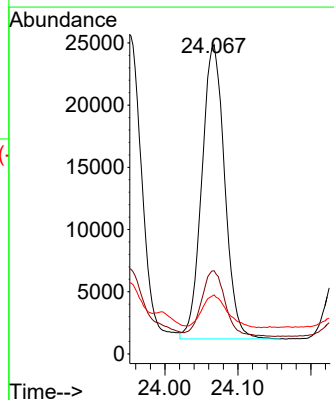
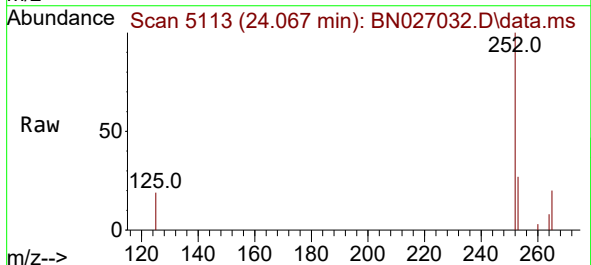


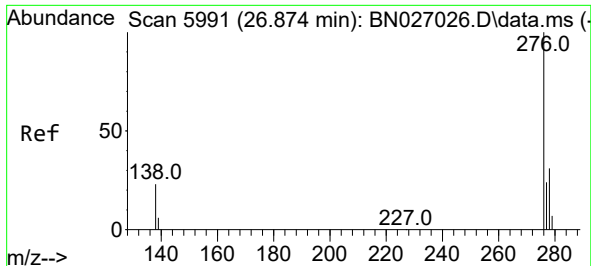
Tgt Ion:252 Resp: 123428
Ion Ratio Lower Upper
252 100
253 25.3 0.0 46.8
125 28.7 0.0 25.2#



#26
Benzo(a)pyrene
Concen: 0.678 ng/ul
RT: 24.067 min Scan# 5113
Delta R.T. -0.018 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

Tgt Ion:252 Resp: 51514
Ion Ratio Lower Upper
252 100
253 26.9 19.0 28.6
125 19.1 11.4 17.0#

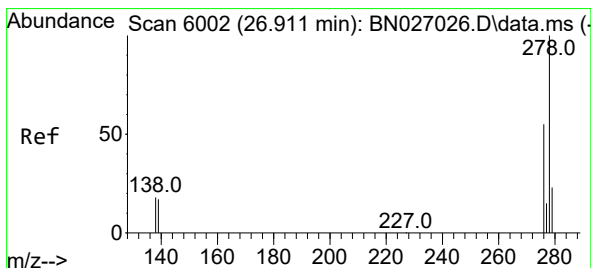
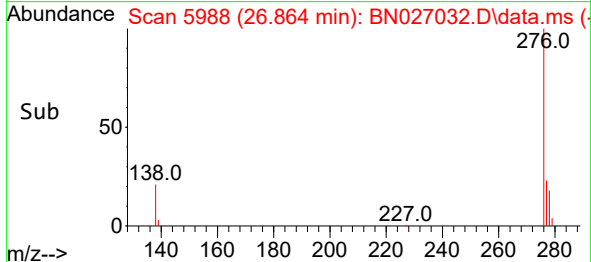
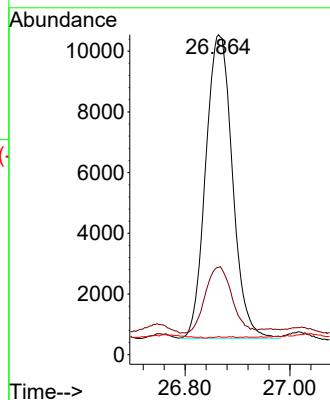
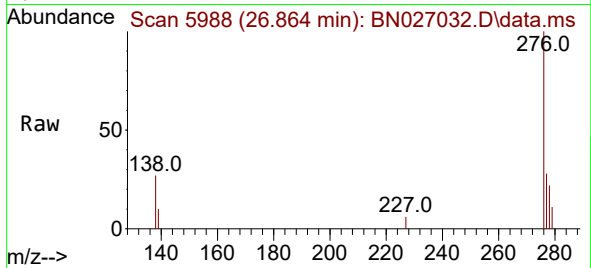




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.357 ng/ul
 RT: 26.864 min Scan# 5991
 Delta R.T. -0.021 min
 Lab File: BN027032.D
 Acq: 22 Aug 2023 18:22

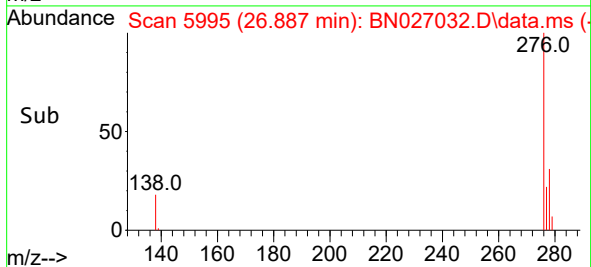
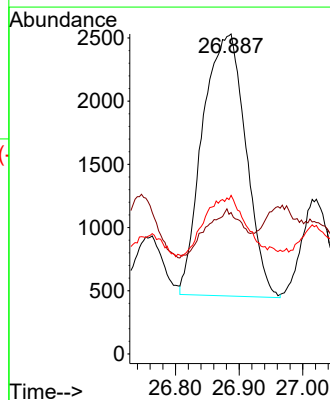
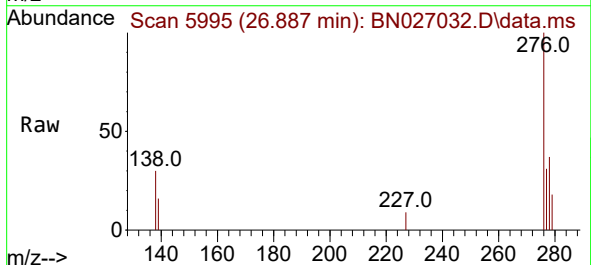
Instrument :
 BNA_N
 ClientSampleId :
 A48N4DL

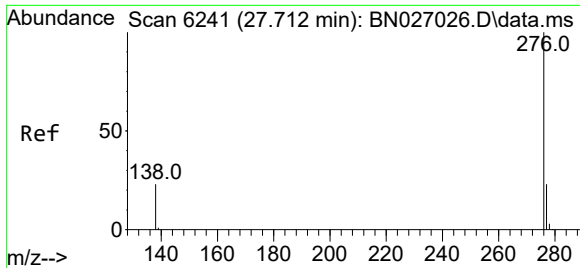
Tgt Ion: 276 Resp: 35455
 Ion Ratio Lower Upper
 276 100
 138 21.6 21.6 32.4#
 227 0.1 0.0 0.0#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.123 ng/ul
 RT: 26.887 min Scan# 5995
 Delta R.T. -0.034 min
 Lab File: BN027032.D
 Acq: 22 Aug 2023 18:22

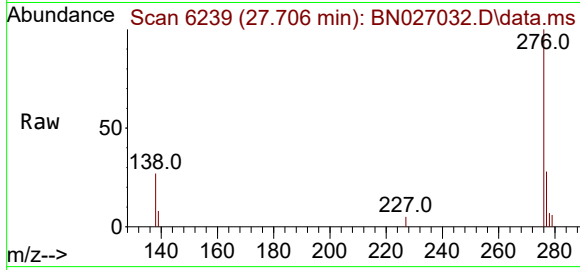
Tgt Ion: 278 Resp: 9758
 Ion Ratio Lower Upper
 278 100
 139 44.2 15.7 23.5#
 279 49.6 20.2 30.4#





#29
 Benzo(g,h,i)perylene
 Concen: 0.467 ng/ul
 RT: 27.706 min Scan# 61
 Delta R.T. -0.018 min
 Lab File: BN027032.D
 Acq: 22 Aug 2023 18:22

Instrument :
 BNA_N
 ClientSampleId :
 A48N4DL



Tgt Ion:	276	Resp:	38635
Ion Ratio	Lower	Upper	
276	100		
138	27.4	19.3	28.9
277	28.0	19.8	29.8

