

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092223\
 Data File : BN027833.D
 Acq On : 22 Sep 2023 20:18
 Operator : MA/JU
 Sample : 04387-07
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AB3

Quant Time: Sep 23 03:49:22 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 : Fri Sep 22 03:58:00 2023
 Response via : Initial Calibration

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

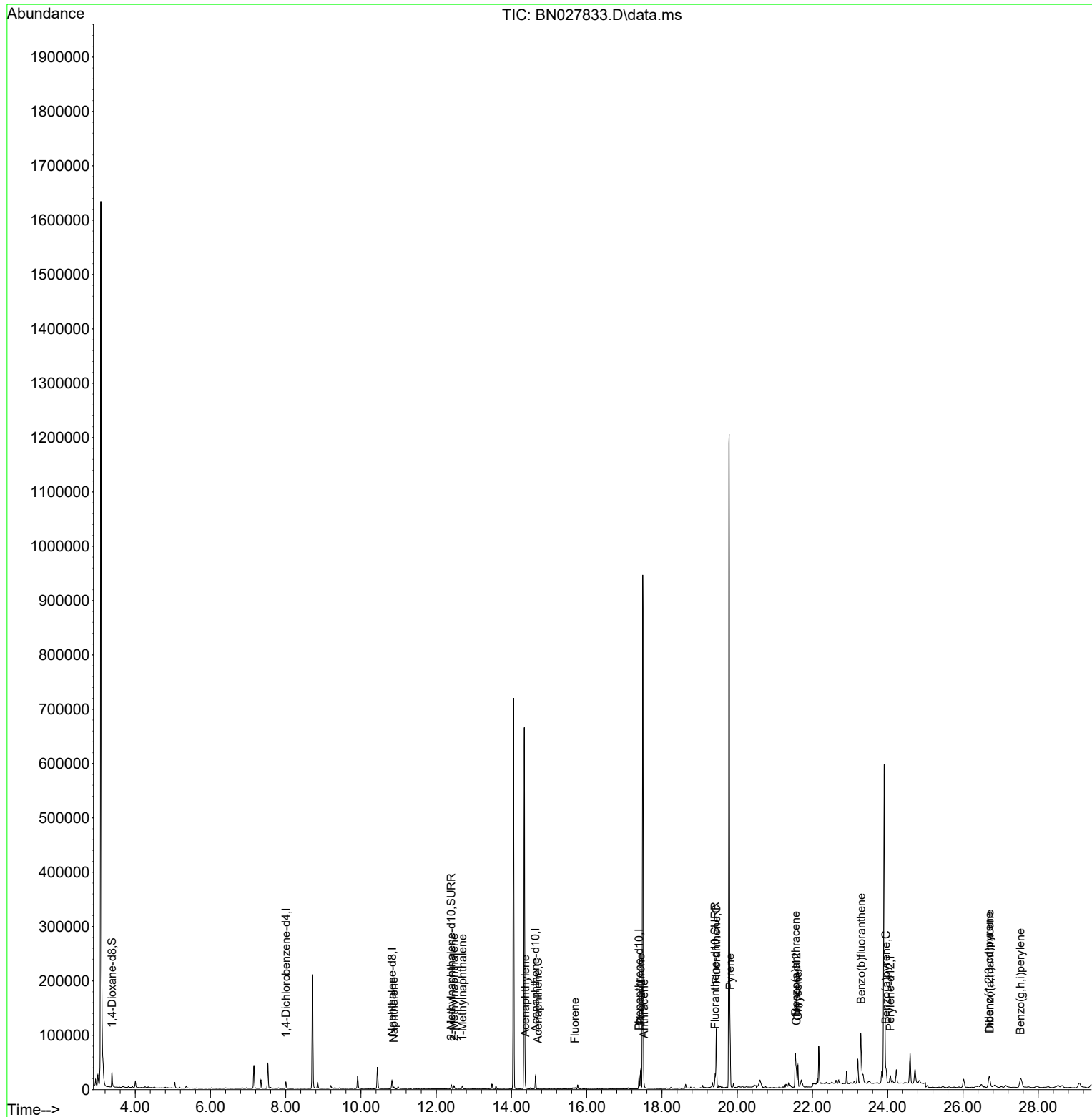
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.004	152	6157	0.400	ng/ul	0.00
4) Naphthalene-d8	10.823	136	21098	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.638	164	12771	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.392	188	29008	0.400	ng/ul	0.00
17) Chrysene-d12	21.574	240	22419	0.400	ng/ul	# 0.00
23) Perylene-d12	24.068	264	20076	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.380	96	18688	2.410	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.401	152	9481	0.297	ng/ul	0.00
18) Fluoranthene-d10	19.413	212	24286	0.355	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.872	128	4051	0.067	ng/ul#	91
7) 2-Methylnaphthalene	12.473	142	3946	0.103	ng/ul	99
8) 1-Methylnaphthalene	12.693	142	3321	0.084	ng/ul	100
10) Acenaphthylene	14.370	152	3443	0.062	ng/ul#	90
11) Acenaphthene	14.703	153	1069	0.022	ng/ul#	90
12) Fluorene	15.688	166	1399	0.025	ng/ul#	93
15) Phenanthrene	17.434	178	35759	0.392	ng/ul	99
16) Anthracene	17.523	178	4667	0.061	ng/ul#	87
19) Fluoranthene	19.446	202	90042	0.993	ng/ul	99
20) Pyrene	19.813	202	76396	0.818	ng/ul	97
21) Benzo(a)anthracene	21.554	228	32441	0.374	ng/ul	96
22) Chrysene	21.612	228	41113	0.459	ng/ul#	95
24) Benzo(b)fluoranthene	23.296	252	74633	0.834	ng/ul#	1
26) Benzo(a)pyrene	23.957	252	31235	0.434	ng/ul#	66
27) Indeno(1,2,3-cd)pyrene	26.693	276	25833	0.280	ng/ul#	43
28) Dibenzo(a,h)anthracene	26.710	278	6162	0.083	ng/ul#	1
29) Benzo(g,h,i)perylene	27.525	276	26055	0.333	ng/ul#	71

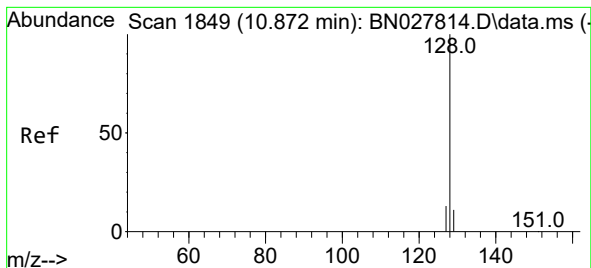
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.067 ng/ul

RT: 10.872 min Scan# 1849

Delta R.T. -0.005 min

Lab File: BN027833.D

Acq: 22 Sep 2023 20:18

Instrument :

BNA_N

ClientSampleId :

C0AB3

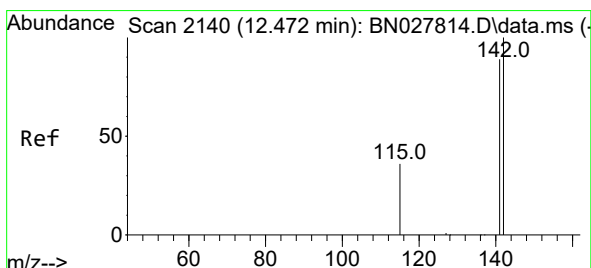
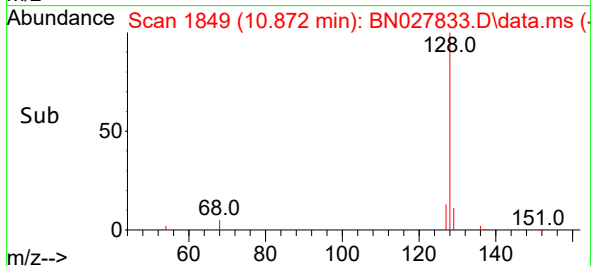
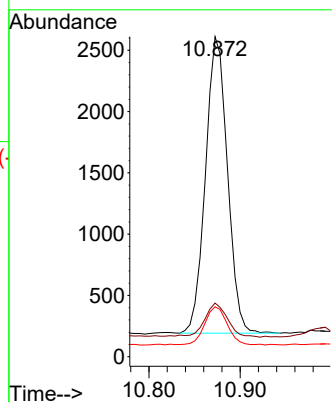
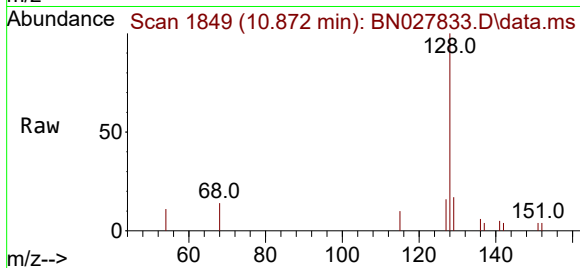
Tgt Ion:128 Resp: 4051

Ion Ratio Lower Upper

128 100

129 16.7 9.3 13.9#

127 15.6 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.103 ng/ul

RT: 12.473 min Scan# 2140

Delta R.T. -0.005 min

Lab File: BN027833.D

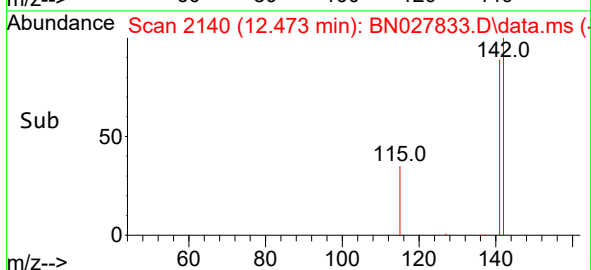
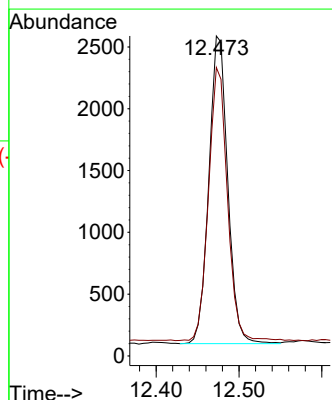
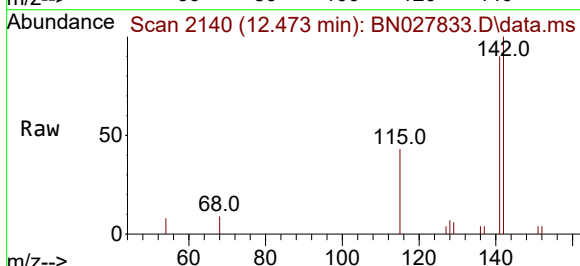
Acq: 22 Sep 2023 20:18

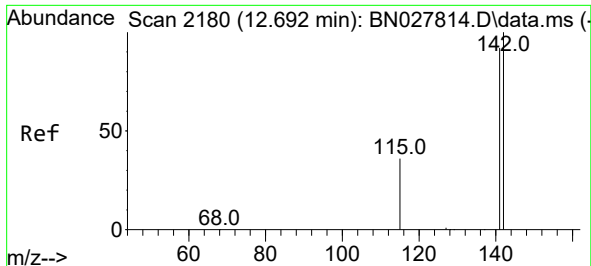
Tgt Ion:142 Resp: 3946

Ion Ratio Lower Upper

142 100

141 88.4 71.1 106.7

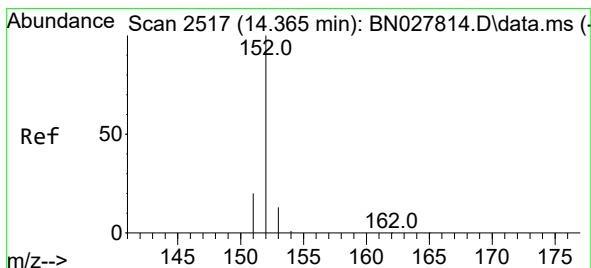
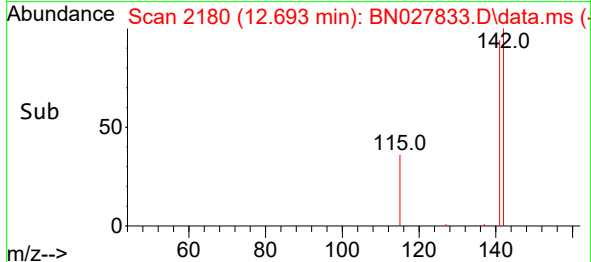
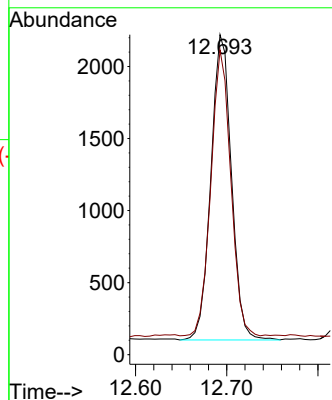
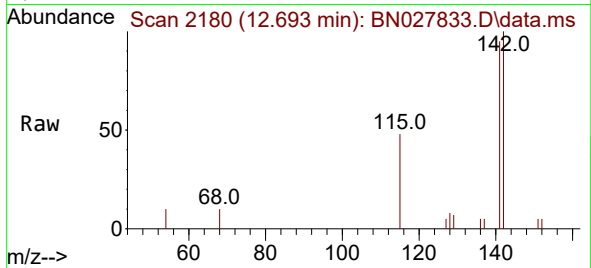




#8
1-Methylnaphthalene
Concen: 0.084 ng/ul
RT: 12.693 min Scan# 2180
Delta R.T. -0.005 min
Lab File: BN027833.D
Acq: 22 Sep 2023 20:18

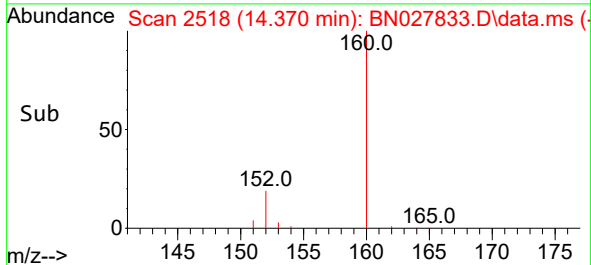
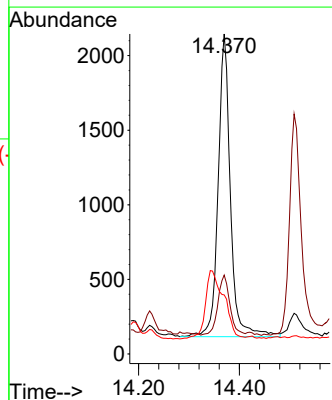
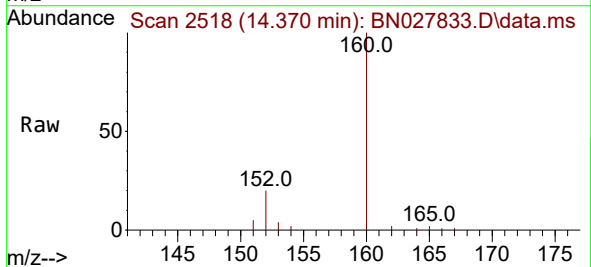
Instrument :
BNA_N
ClientSampleId :
C0AB3

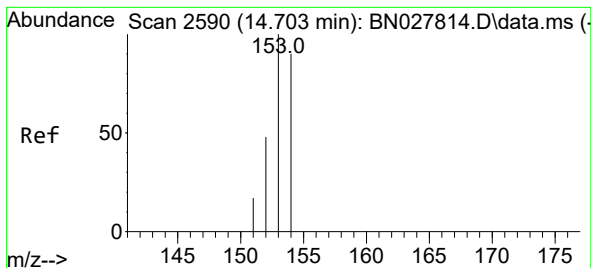
Tgt Ion:142 Resp: 3321
Ion Ratio Lower Upper
142 100
141 90.5 72.8 109.2



#10
Acenaphthylene
Concen: 0.062 ng/ul
RT: 14.370 min Scan# 2518
Delta R.T. 0.000 min
Lab File: BN027833.D
Acq: 22 Sep 2023 20:18

Tgt Ion:152 Resp: 3443
Ion Ratio Lower Upper
152 100
151 24.7 16.6 25.0
153 18.5 11.0 16.6#





#11

Acenaphthene

Concen: 0.022 ng/ul

RT: 14.703 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027833.D

Acq: 22 Sep 2023 20:18

Instrument :

BNA_N

ClientSampleId :

C0AB3

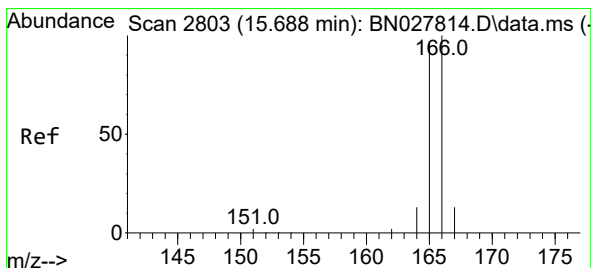
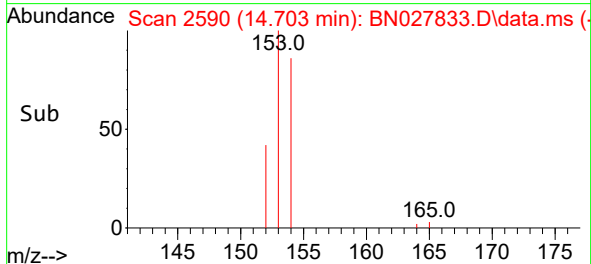
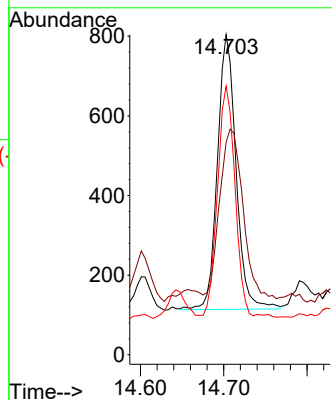
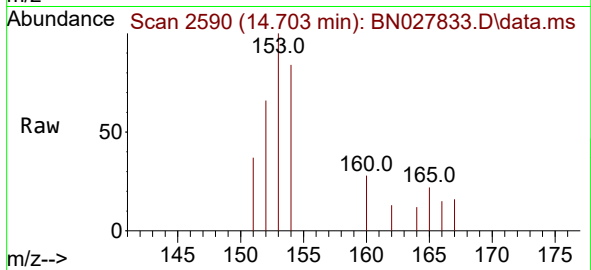
Tgt Ion:153 Resp: 1069

Ion Ratio Lower Upper

153 100

152 66.4 41.7 62.5#

154 84.0 70.3 105.5



#12

Fluorene

Concen: 0.025 ng/ul

RT: 15.688 min Scan# 2803

Delta R.T. 0.000 min

Lab File: BN027833.D

Acq: 22 Sep 2023 20:18

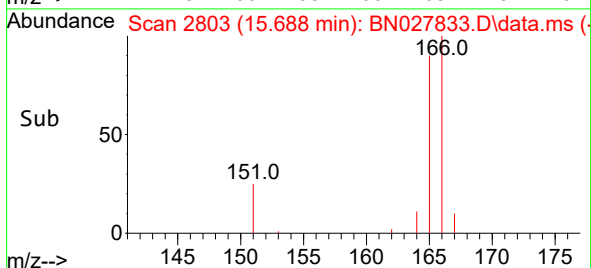
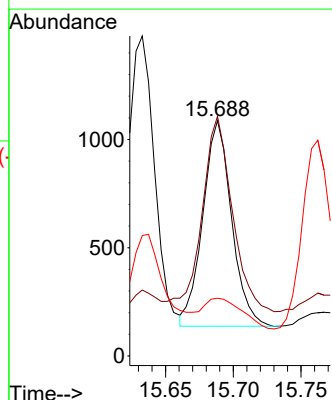
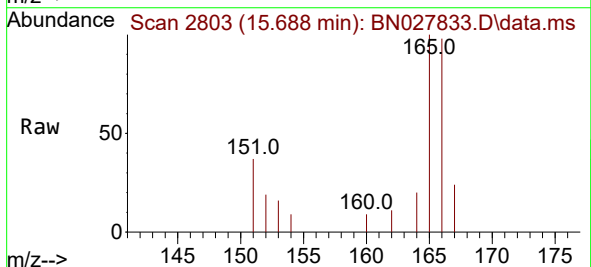
Tgt Ion:166 Resp: 1399

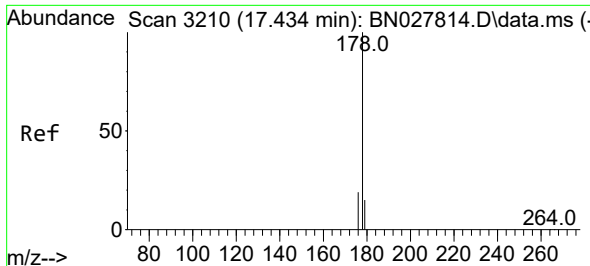
Ion Ratio Lower Upper

166 100

165 101.8 78.0 117.0

167 24.6 11.4 17.2#

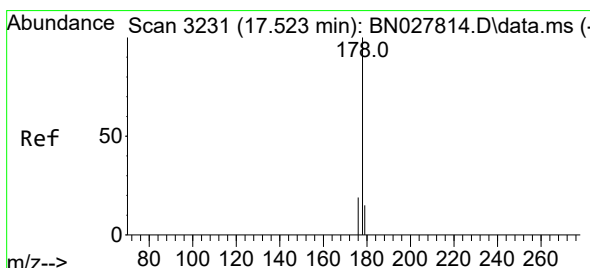
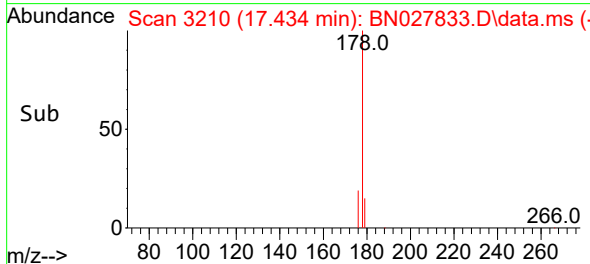
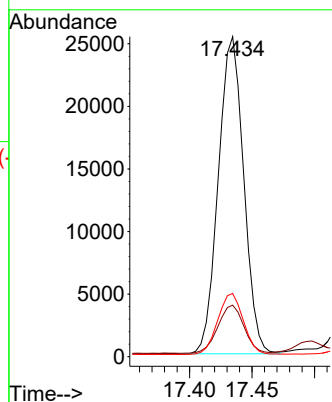
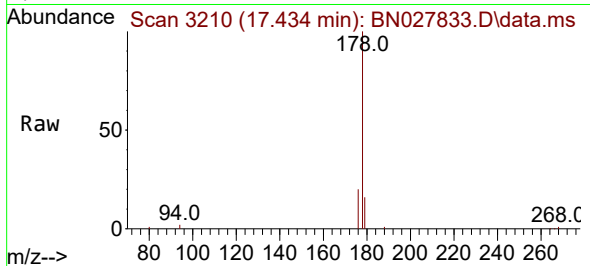




#15
Phenanthrene
Concen: 0.392 ng/ul
RT: 17.434 min Scan# 3210
Delta R.T. 0.000 min
Lab File: BN027833.D
Acq: 22 Sep 2023 20:18

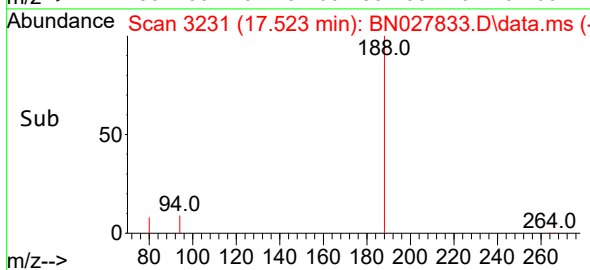
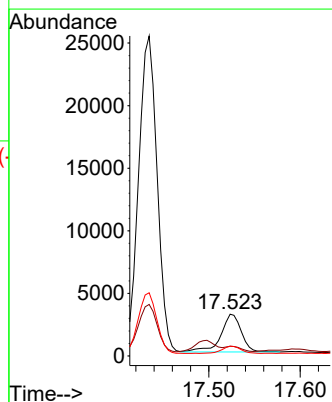
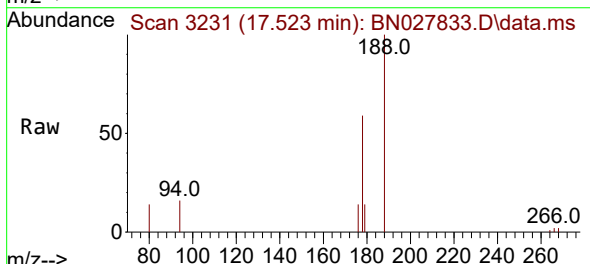
Instrument :
BNA_N
ClientSampleId :
C0AB3

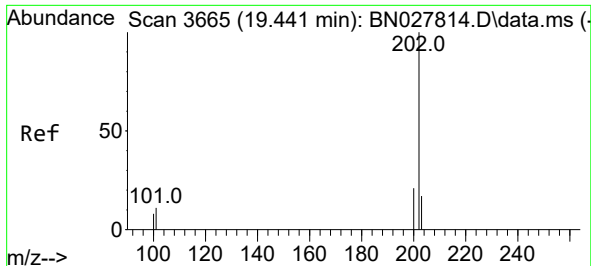
Tgt Ion:178 Resp: 35759
Ion Ratio Lower Upper
178 100
179 16.1 12.4 18.6
176 19.8 16.0 24.0



#16
Anthracene
Concen: 0.061 ng/ul
RT: 17.523 min Scan# 3231
Delta R.T. -0.004 min
Lab File: BN027833.D
Acq: 22 Sep 2023 20:18

Tgt Ion:178 Resp: 4667
Ion Ratio Lower Upper
178 100
179 23.2 12.6 19.0#
176 23.6 15.5 23.3#

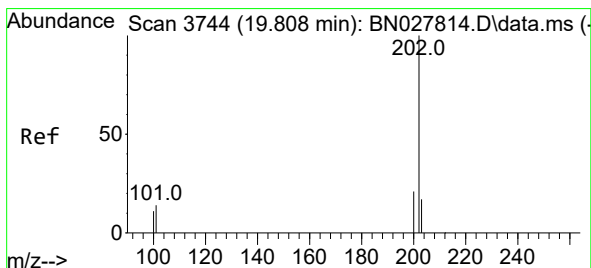
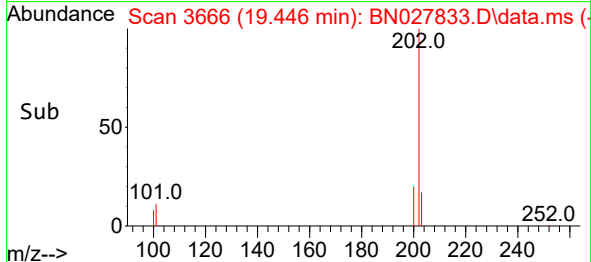
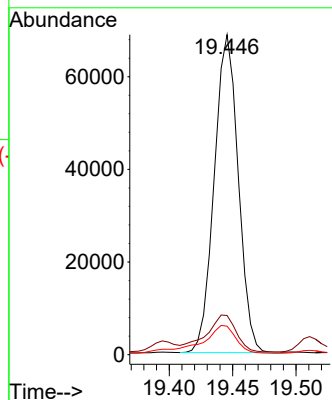
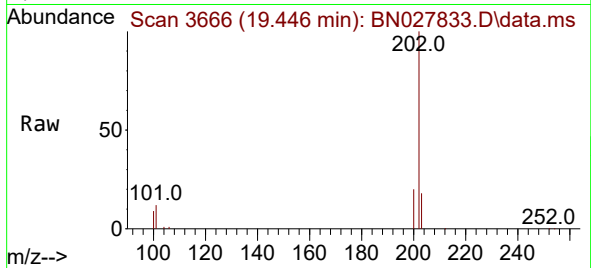




#19
Fluoranthene
Concen: 0.993 ng/ul
RT: 19.446 min Scan# 3666
Delta R.T. 0.000 min
Lab File: BN027833.D
Acq: 22 Sep 2023 20:18

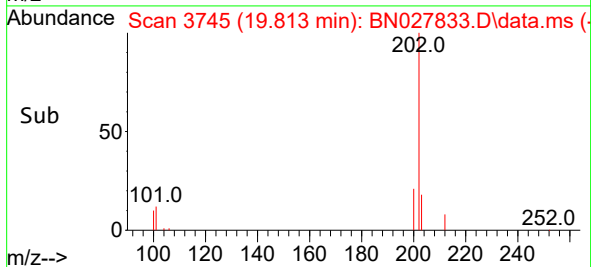
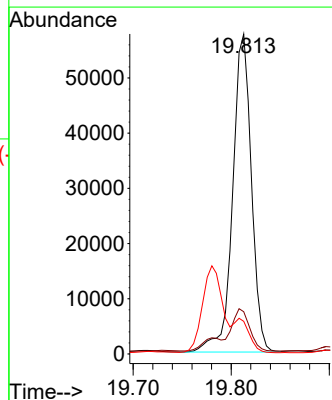
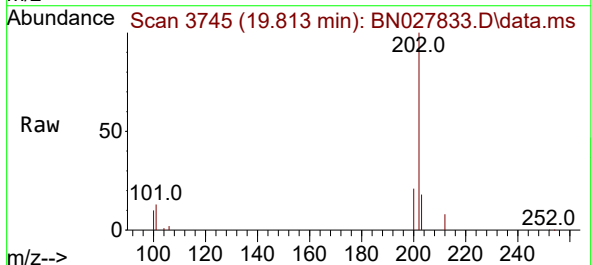
Instrument :
BNA_N
ClientSampleId :
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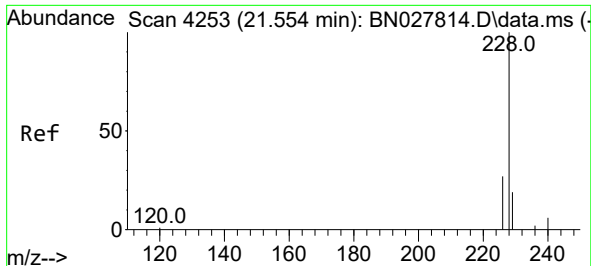
Tgt Ion:202 Resp: 90042
Ion Ratio Lower Upper
202 100
101 12.2 9.3 13.9
100 8.9 7.0 10.4



#20
Pyrene
Concen: 0.818 ng/ul
RT: 19.813 min Scan# 3745
Delta R.T. 0.000 min
Lab File: BN027833.D
Acq: 22 Sep 2023 20:18

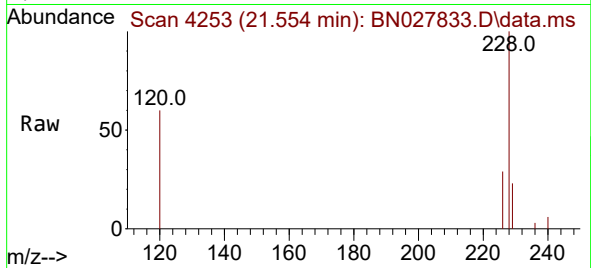
Tgt Ion:202 Resp: 76396
Ion Ratio Lower Upper
202 100
101 13.2 11.4 17.0
100 10.2 9.1 13.7



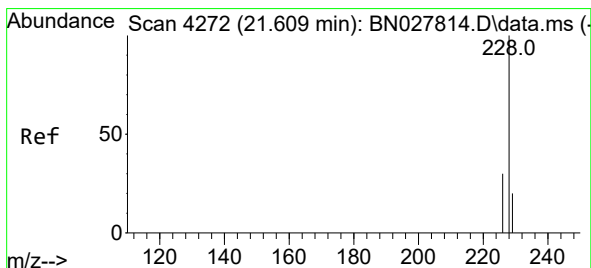
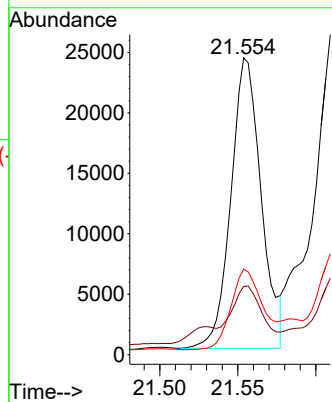
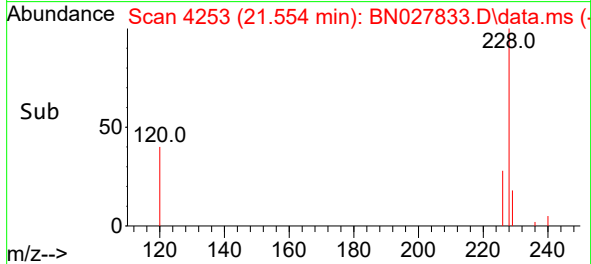


#21
Benzo(a)anthracene
Concen: 0.374 ng/ul
RT: 21.554 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN027833.D
Acq: 22 Sep 2023 20:18

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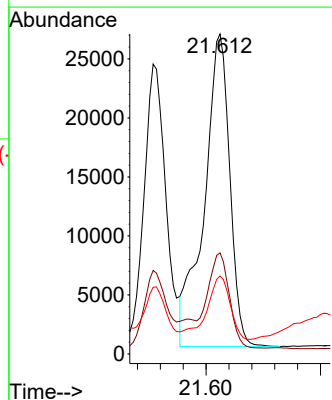
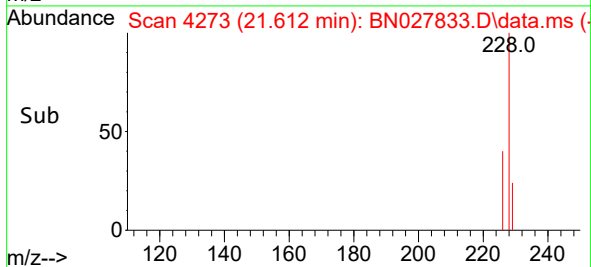
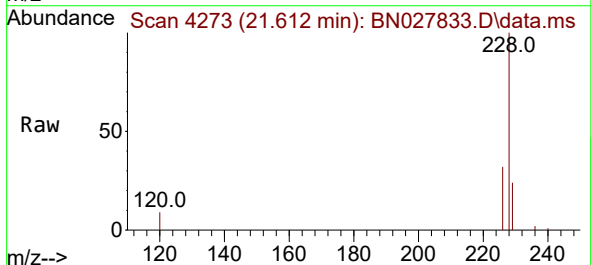


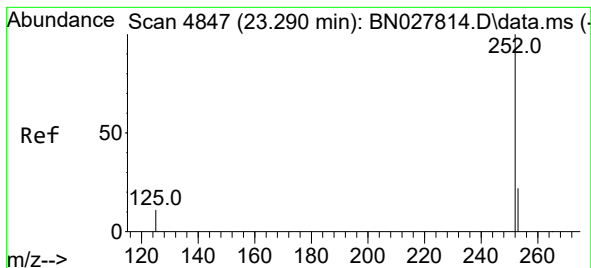
Tgt Ion:228 Resp: 32441
Ion Ratio Lower Upper
228 100
229 23.0 15.8 23.8
226 28.8 22.0 33.0



#22
Chrysene
Concen: 0.459 ng/ul
RT: 21.612 min Scan# 4273
Delta R.T. 0.003 min
Lab File: BN027833.D
Acq: 22 Sep 2023 20:18

Tgt Ion:228 Resp: 41113
Ion Ratio Lower Upper
228 100
226 31.6 24.5 36.7
229 24.4 16.0 24.0#





#24

Benzo(b)fluoranthene

Concen: 0.834 ng/ul

RT: 23.296 min Scan# 4847

Delta R.T. 0.006 min

Lab File: BN027833.D

Acq: 22 Sep 2023 20:18

Instrument :

BNA_N

ClientSampleId :

C0AB3

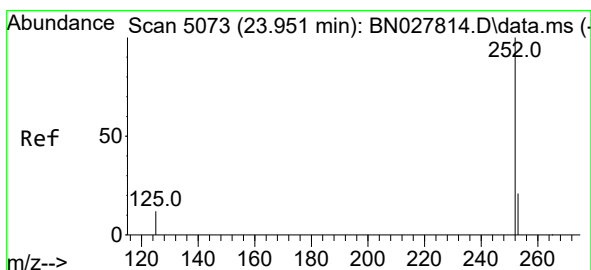
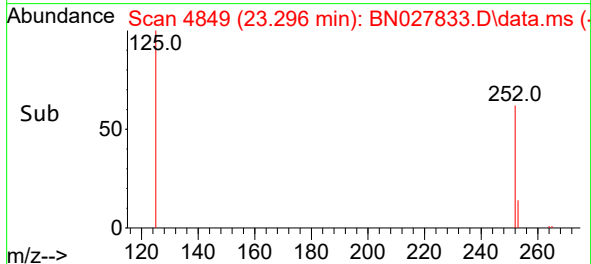
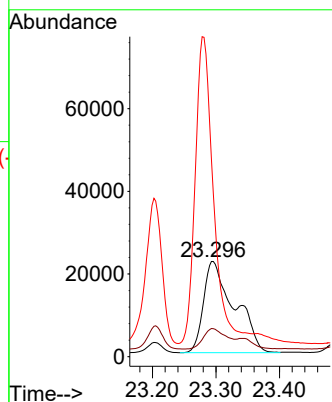
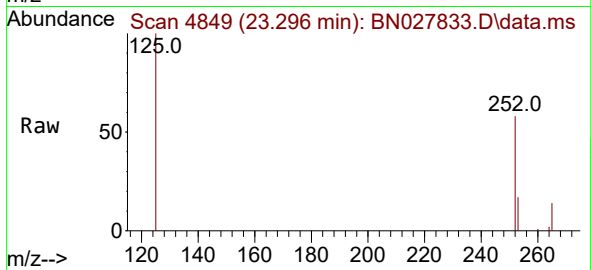
Tgt Ion:252 Resp: 74633

Ion Ratio Lower Upper

252 100

253 29.4 0.0 50.2

125 171.2 0.0 31.4#



#26

Benzo(a)pyrene

Concen: 0.434 ng/ul

RT: 23.957 min Scan# 5075

Delta R.T. 0.006 min

Lab File: BN027833.D

Acq: 22 Sep 2023 20:18

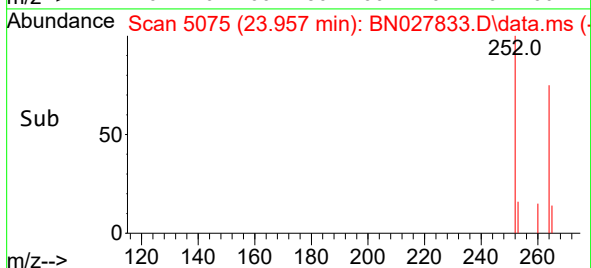
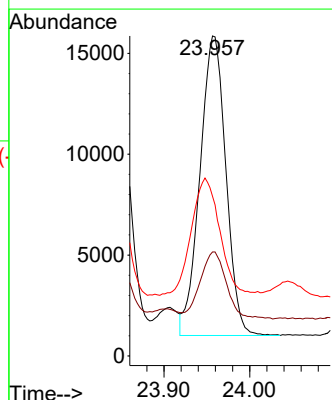
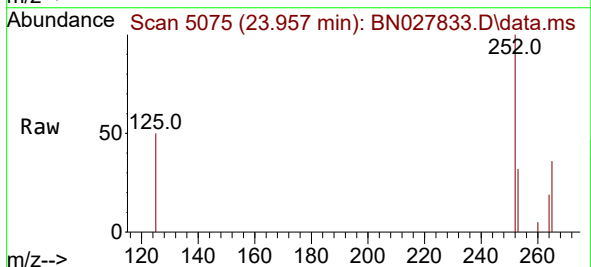
Tgt Ion:252 Resp: 31235

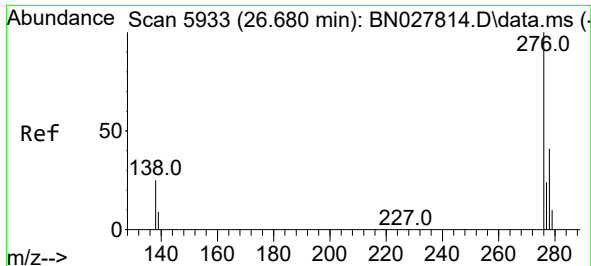
Ion Ratio Lower Upper

252 100

253 32.5 21.9 32.9

125 49.9 15.5 23.3#

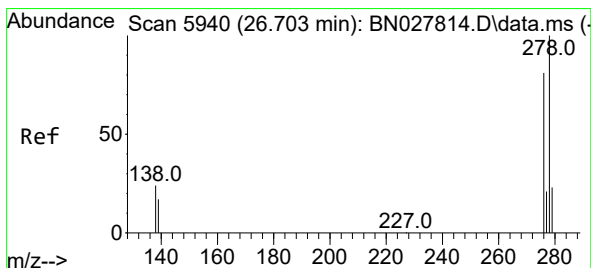
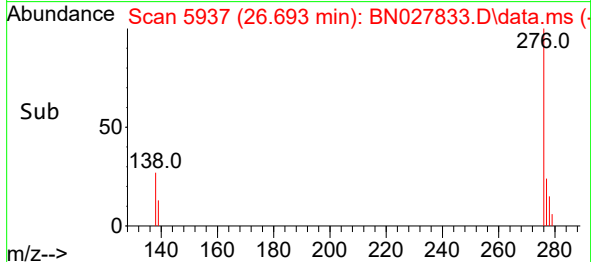
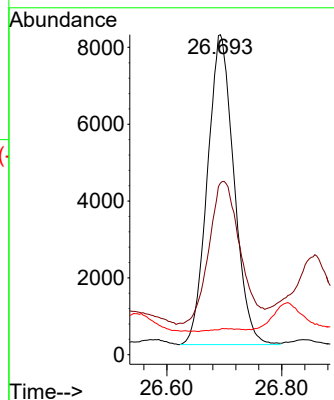
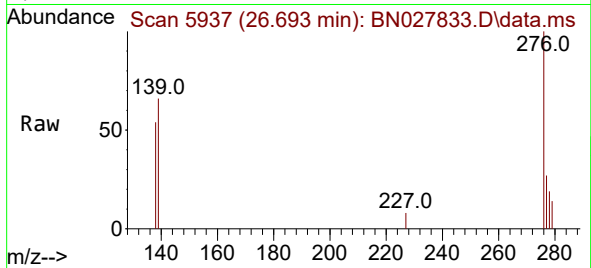




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.280 ng/ul
 RT: 26.693 min Scan# 5937
 Delta R.T. 0.010 min
 Lab File: BN027833.D
 Acq: 22 Sep 2023 20:18

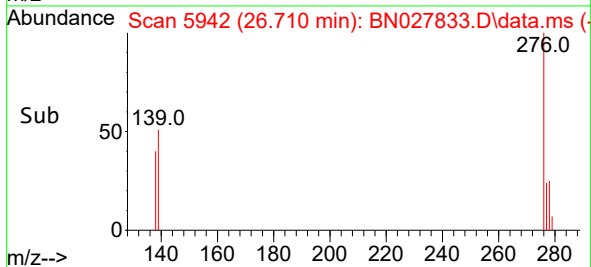
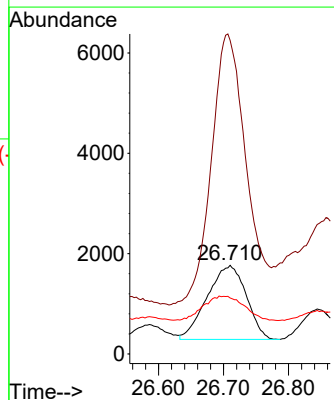
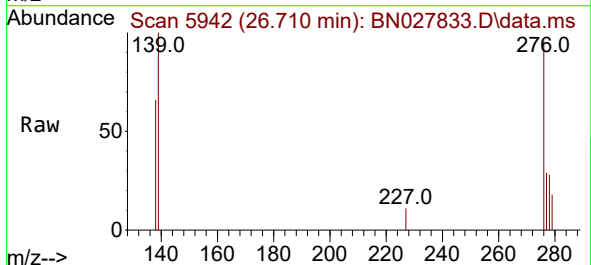
Instrument :
 BNA_N
 ClientSampleId :
 C0AB3

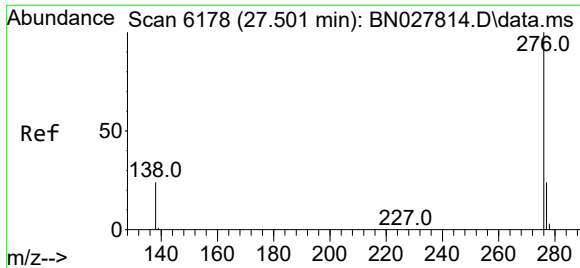
Tgt Ion:276 Resp: 25833
 Ion Ratio Lower Upper
 276 100
 138 61.6 24.3 36.5#
 227 1.1 0.0 0.0#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.083 ng/ul
 RT: 26.710 min Scan# 5942
 Delta R.T. 0.004 min
 Lab File: BN027833.D
 Acq: 22 Sep 2023 20:18

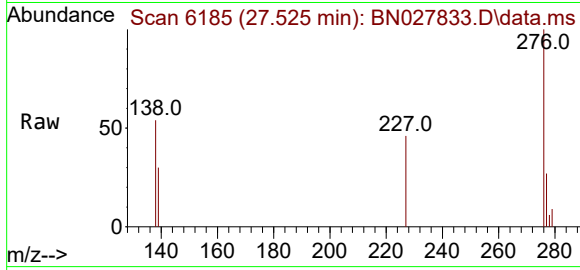
Tgt Ion:278 Resp: 6162
 Ion Ratio Lower Upper
 278 100
 139 353.5 17.2 25.8#
 279 63.1 21.4 32.0#





#29
 Benzo(g,h,i)perylene
 Concen: 0.333 ng/ul
 RT: 27.525 min Scan# 6185
 Delta R.T. 0.020 min
 Lab File: BN027833.D
 Acq: 22 Sep 2023 20:18

Instrument :
 BNA_N
 ClientSampleId :
 C0AB3



Tgt Ion: 276 Resp: 26055
 Ion Ratio Lower Upper
 276 100
 138 54.2 21.7 32.5#
 277 27.4 20.2 30.2

