

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
 Data File : BN028891.D
 Acq On : 27 Nov 2023 22:34
 Operator : MA/JU
 Sample : 05416-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AB4

Quant Time: Nov 28 04:31:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 21 23:49:43 2023
 Response via : Initial Calibration

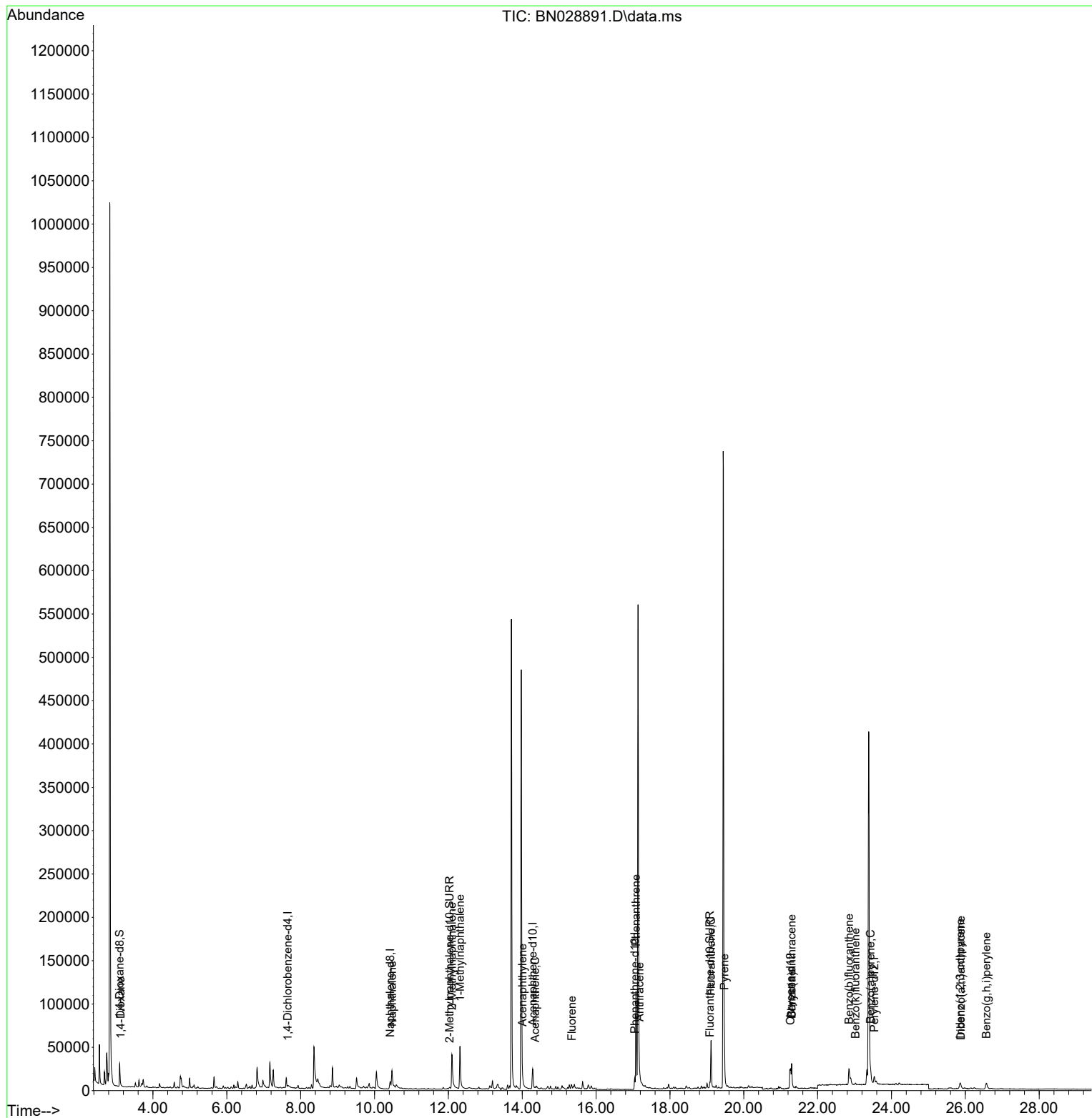
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	3103	0.400	ng/ul	-0.08
4) Naphthalene-d8	10.424	136	16930	0.400	ng/ul	#-0.04
9) Acenaphthene-d10	14.289	164	9947	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.044	188	17336	0.400	ng/ul	#-0.02
17) Chrysene-d12	21.261	240	10992	0.400	ng/ul	# 0.00
23) Perylene-d12	23.535	264	12074	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.099	96	17503	5.104	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.030	152	4087	0.160	ng/ul	-0.04
18) Fluoranthene-d10	19.086	212	8326	0.235	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.125	88	108	0.028	ng/ul#	58
5) Naphthalene	10.473	128	42385	0.893	ng/ul	99
7) 2-Methylnaphthalene	12.096	142	40320	1.290	ng/ul	99
8) 1-Methylnaphthalene	12.316	142	39656	1.249	ng/ul	100
10) Acenaphthylene	14.007	152	1882	0.038	ng/ul#	9
11) Acenaphthene	14.349	153	822	0.023	ng/ul#	85
12) Fluorene	15.344	166	1798	0.042	ng/ul#	76
15) Phenanthrene	17.082	178	133885	2.514	ng/ul	100
16) Anthracene	17.175	178	4730	0.097	ng/ul#	80
19) Fluoranthene	19.113	202	50668	1.084	ng/ul	98
20) Pyrene	19.476	202	42379	0.875	ng/ul#	94
21) Benzo(a)anthracene	21.296	228	28573	0.657	ng/ul	92
22) Chrysene	21.296	228	27458	0.646	ng/ul#	95
24) Benzo(b)fluoranthene	22.848	252	41300	0.911	ng/ul	84
25) Benzo(k)fluoranthene	23.023	252	1750	0.037	ng/ul#	1
26) Benzo(a)pyrene	23.433	252	15573	0.364	ng/ul#	73
27) Indeno(1,2,3-cd)pyrene	25.858	276	12841	0.270	ng/ul#	87
28) Dibenzo(a,h)anthracene	25.878	278	3515	0.093	ng/ul#	26
29) Benzo(g,h,i)perylene	26.569	276	15517	0.399	ng/ul	93

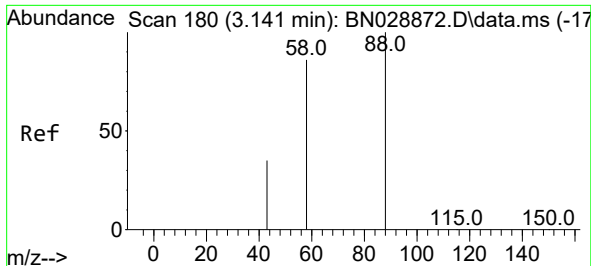
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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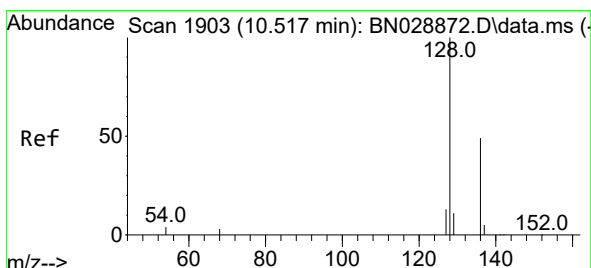
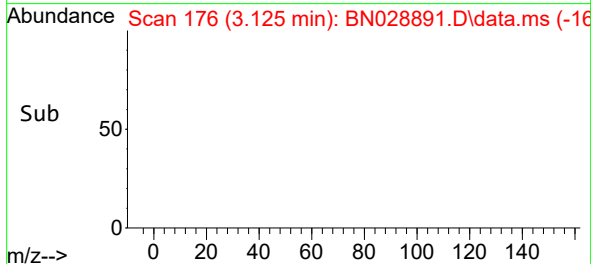
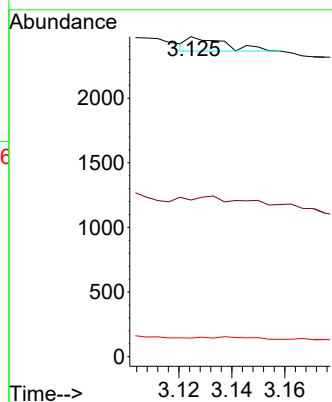
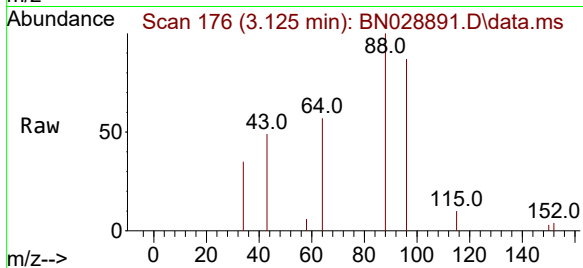




#2
1,4-Dioxane
Concen: 0.028 ng/ul
RT: 3.125 min Scan# 11
Delta R.T. -0.017 min
Lab File: BN028891.D
Acq: 27 Nov 2023 22:34

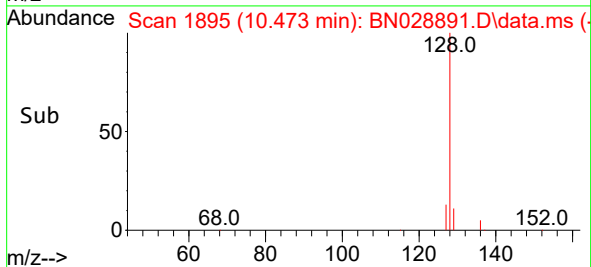
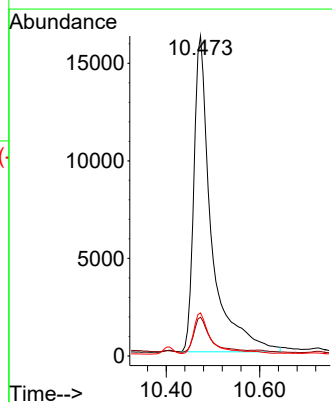
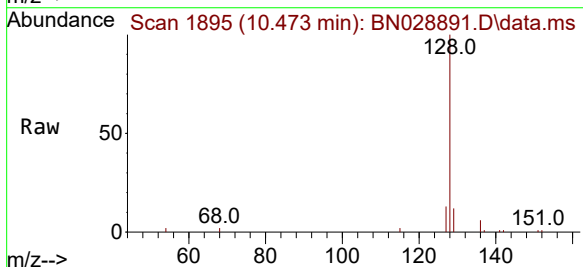
Instrument :
BNA_N
ClientSampleId :
C0AB4

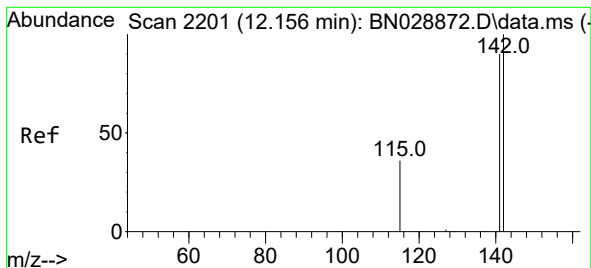
Tgt Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
43 48.9 32.9 49.3
58 5.8 41.8 62.8#



#5
Naphthalene
Concen: 0.893 ng/ul
RT: 10.473 min Scan# 1895
Delta R.T. -0.033 min
Lab File: BN028891.D
Acq: 27 Nov 2023 22:34

Tgt Ion: 128 Resp: 42385
Ion Ratio Lower Upper
128 100
129 12.1 9.2 13.8
127 13.4 10.7 16.1

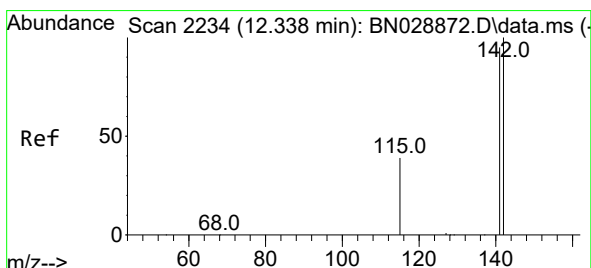
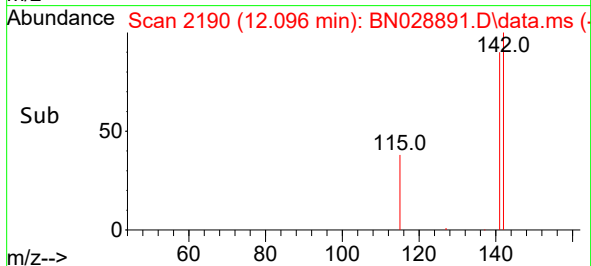
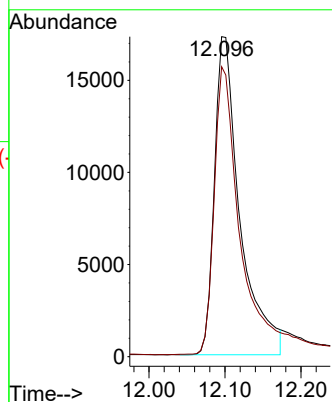
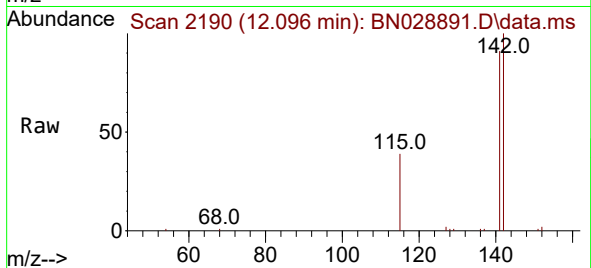




#7
2-Methylnaphthalene
Concen: 1.290 ng/ul
RT: 12.096 min Scan# 2190
Delta R.T. -0.044 min
Lab File: BN028891.D
Acq: 27 Nov 2023 22:34

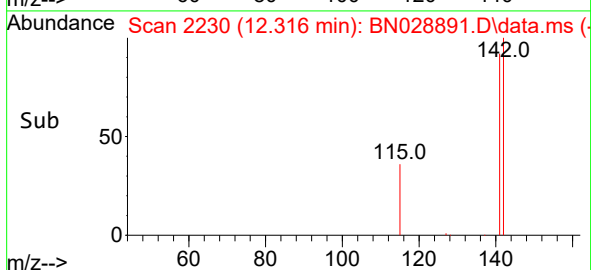
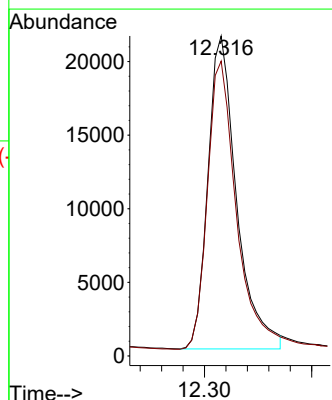
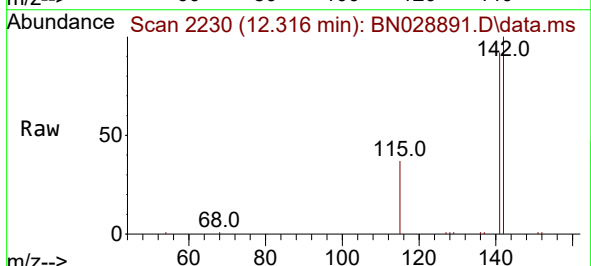
Instrument :
BNA_N
ClientSampleId :
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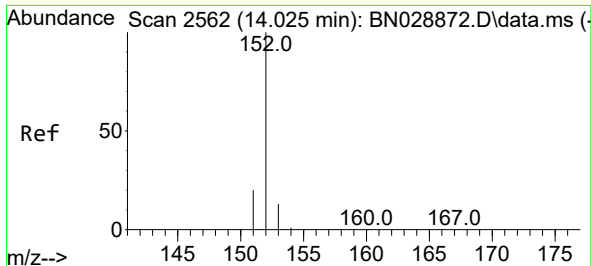
Tgt Ion:142 Resp: 40320
Ion Ratio Lower Upper
142 100
141 89.6 70.8 106.2



#8
1-Methylnaphthalene
Concen: 1.249 ng/ul
RT: 12.316 min Scan# 2230
Delta R.T. -0.022 min
Lab File: BN028891.D
Acq: 27 Nov 2023 22:34

Tgt Ion:142 Resp: 39656
Ion Ratio Lower Upper
142 100
141 92.9 74.1 111.1

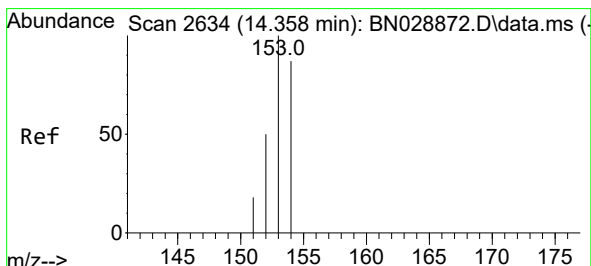
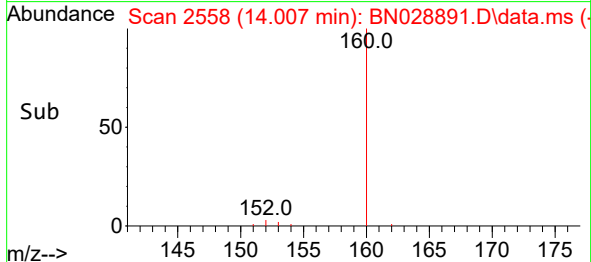
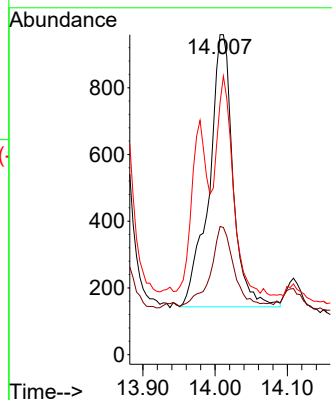
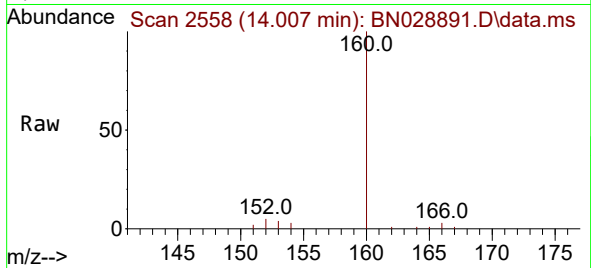




#10
Acenaphthylene
Concen: 0.038 ng/ul
RT: 14.007 min Scan# 2558
Delta R.T. -0.018 min
Lab File: BN028891.D
Acq: 27 Nov 2023 22:34

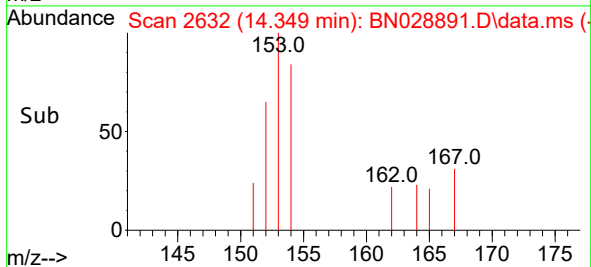
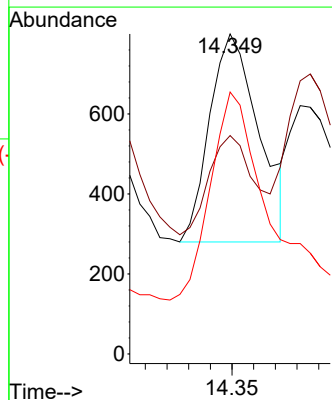
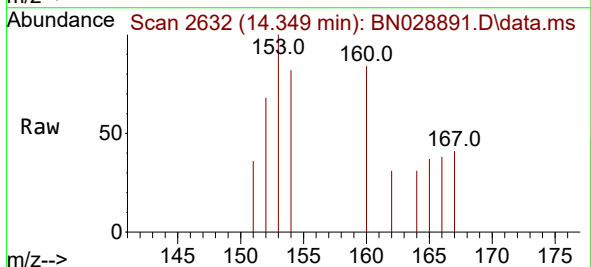
Instrument :
BNA_N
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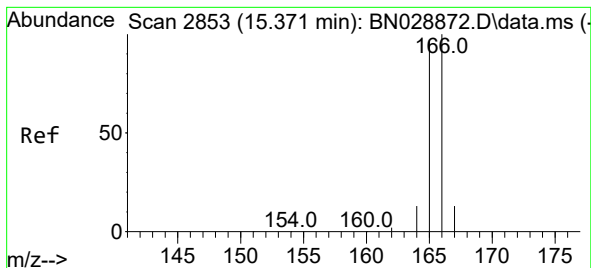
Tgt Ion:152 Resp: 1882
Ion Ratio Lower Upper
152 100
151 40.0 16.1 24.1#
153 78.6 10.6 15.8#



#11
Acenaphthene
Concen: 0.023 ng/ul
RT: 14.349 min Scan# 2632
Delta R.T. -0.014 min
Lab File: BN028891.D
Acq: 27 Nov 2023 22:34

Tgt Ion:153 Resp: 822
Ion Ratio Lower Upper
153 100
152 68.3 39.6 59.4#
154 81.9 71.0 106.6





#12

Fluorene

Concen: 0.042 ng/ul

RT: 15.344 min Scan# 21

Delta R.T. -0.023 min

Lab File: BN028891.D

Acq: 27 Nov 2023 22:34

Instrument :

BNA_N

ClientSampleId :

C0AB4

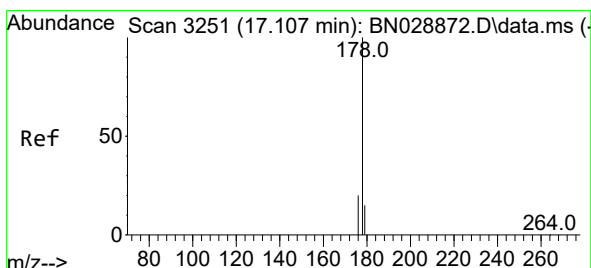
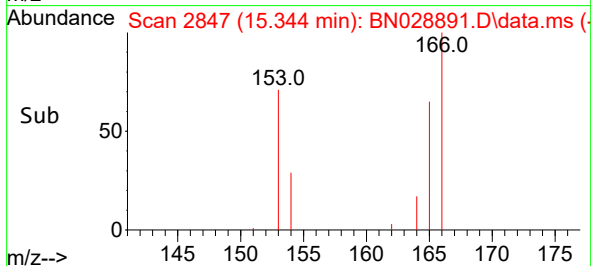
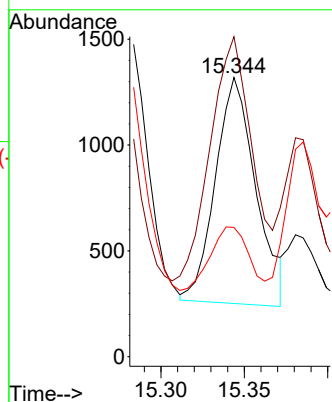
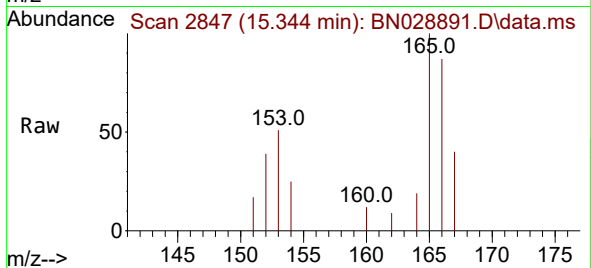
Tgt Ion:166 Resp: 1798

Ion Ratio Lower Upper

166 100

165 114.6 78.6 118.0

167 46.3 11.0 16.6#



#15

Phenanthrene

Concen: 2.514 ng/ul

RT: 17.082 min Scan# 3245

Delta R.T. -0.021 min

Lab File: BN028891.D

Acq: 27 Nov 2023 22:34

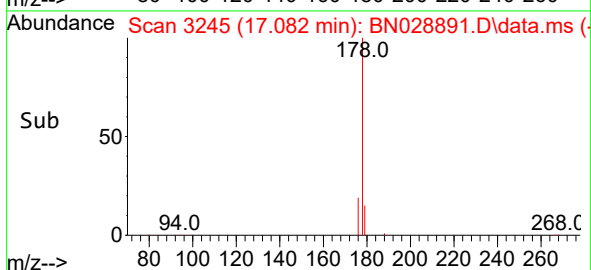
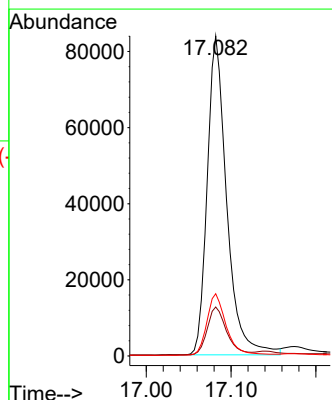
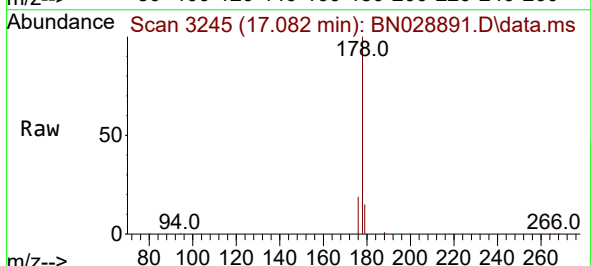
Tgt Ion:178 Resp: 133885

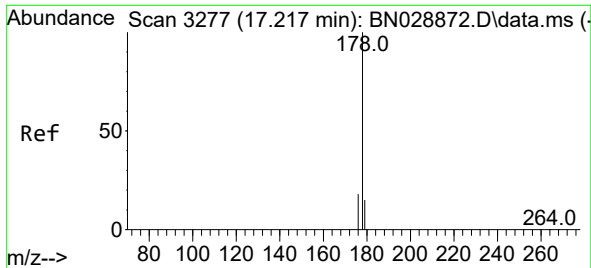
Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

176 19.5 15.4 23.2

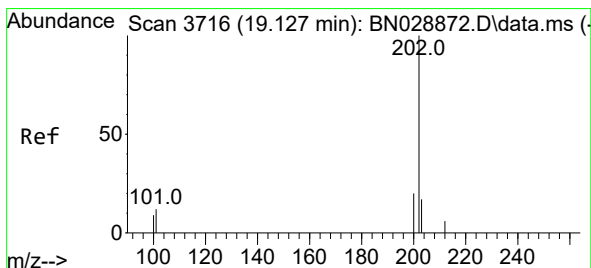
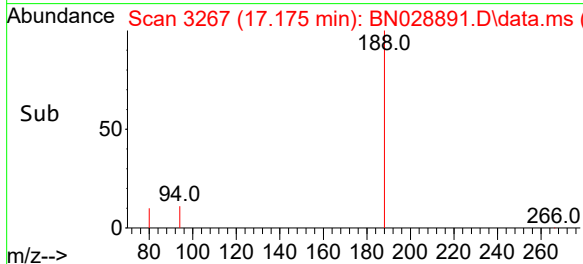
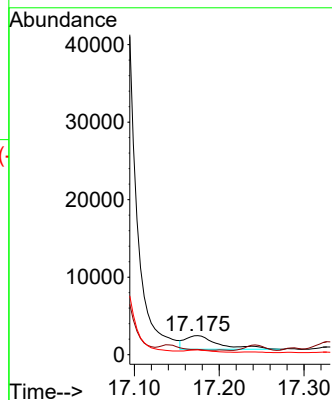
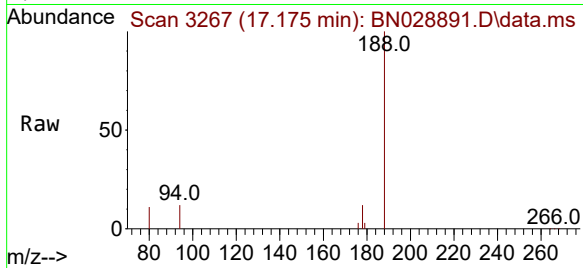




#16
 Anthracene
 Concen: 0.097 ng/ul
 RT: 17.175 min Scan# 31
 Delta R.T. -0.030 min
 Lab File: BN028891.D
 Acq: 27 Nov 2023 22:34

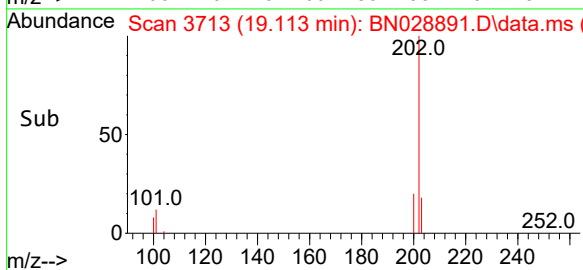
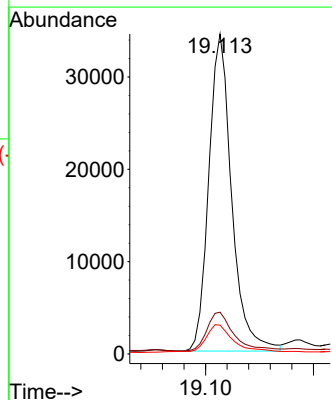
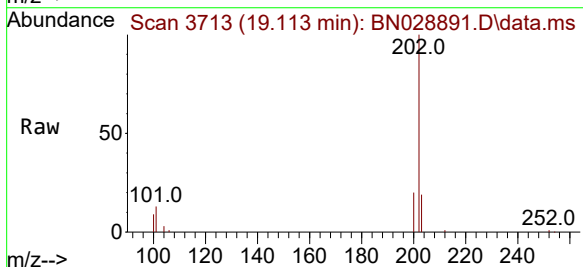
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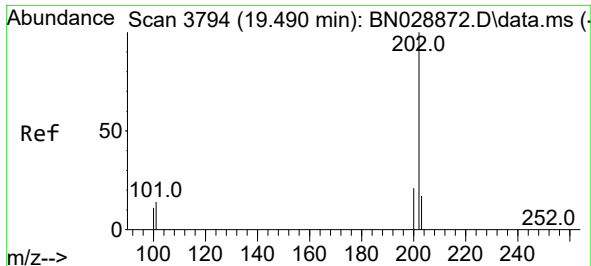
Tgt Ion:178 Resp: 4730
 Ion Ratio Lower Upper
 178 100
 179 27.3 12.6 18.8#
 176 24.8 14.9 22.3#



#19
 Fluoranthene
 Concen: 1.084 ng/ul
 RT: 19.113 min Scan# 3713
 Delta R.T. -0.009 min
 Lab File: BN028891.D
 Acq: 27 Nov 2023 22:34

Tgt Ion:202 Resp: 50668
 Ion Ratio Lower Upper
 202 100
 101 13.1 9.5 14.3
 100 9.0 7.2 10.8

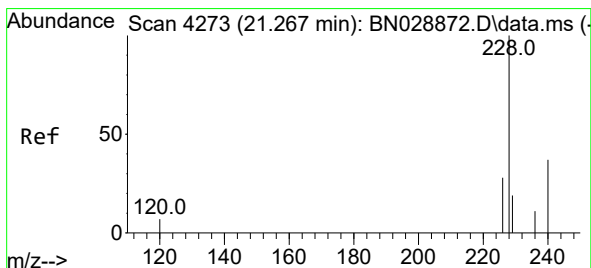
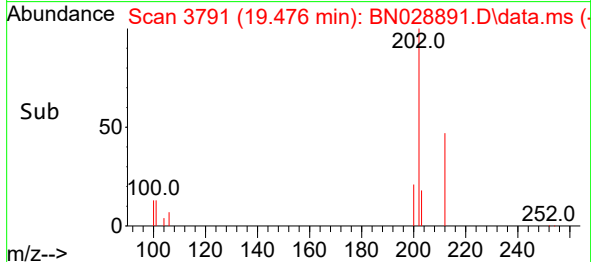
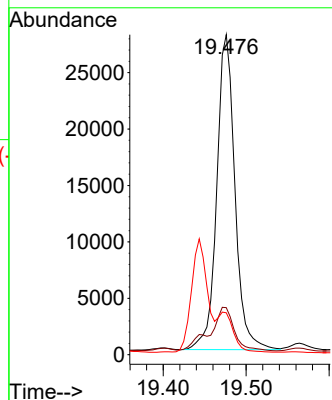
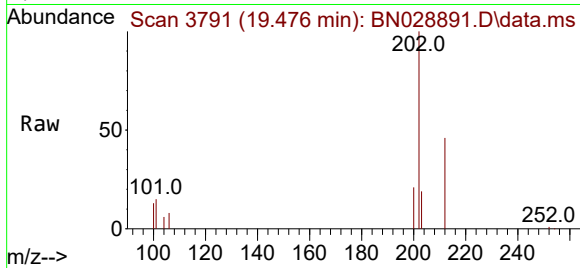




#20
Pyrene
Concen: 0.875 ng/ul
RT: 19.476 min Scan# 31
Delta R.T. -0.009 min
Lab File: BN028891.D
Acq: 27 Nov 2023 22:34

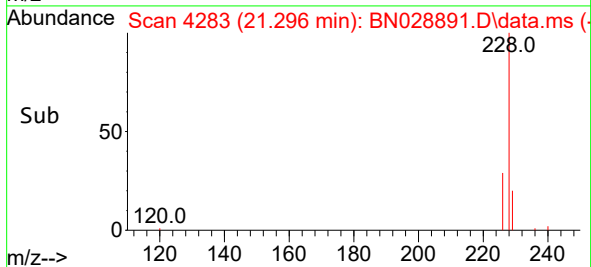
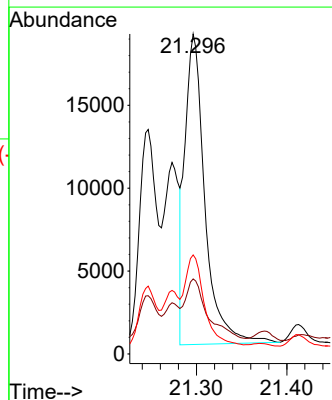
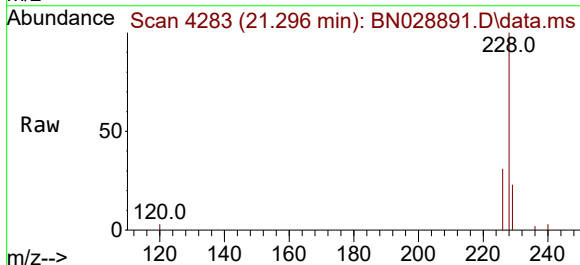
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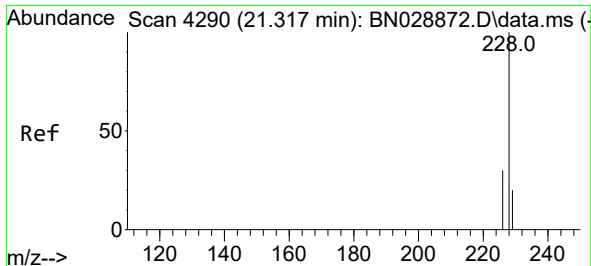
Tgt Ion:202 Resp: 42379
Ion Ratio Lower Upper
202 100
101 14.7 10.3 15.5
100 13.1 8.2 12.2#



#21
Benzo(a)anthracene
Concen: 0.657 ng/ul
RT: 21.296 min Scan# 4283
Delta R.T. 0.041 min
Lab File: BN028891.D
Acq: 27 Nov 2023 22:34

Tgt Ion:228 Resp: 28573
Ion Ratio Lower Upper
228 100
229 23.4 15.7 23.5
226 30.9 21.4 32.0





#22

Chrysene

Concen: 0.646 ng/ul

RT: 21.296 min Scan# 41

Delta R.T. -0.009 min

Lab File: BN028891.D

Acq: 27 Nov 2023 22:34

Instrument :

BNA_N

ClientSampleId :

C0AB4

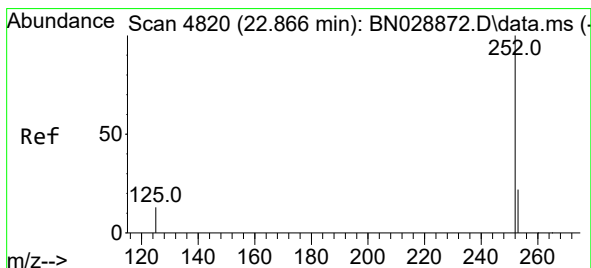
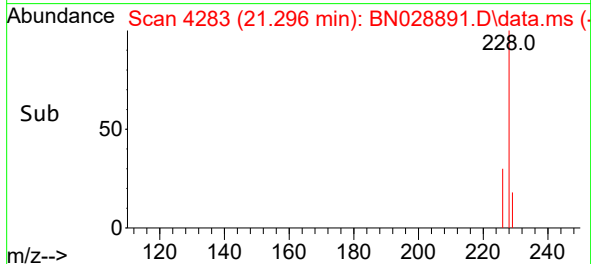
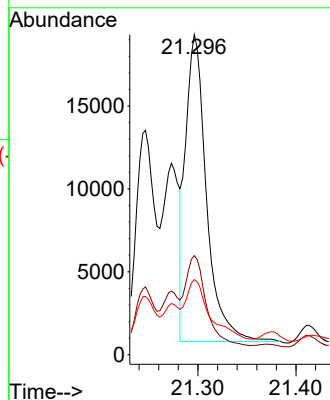
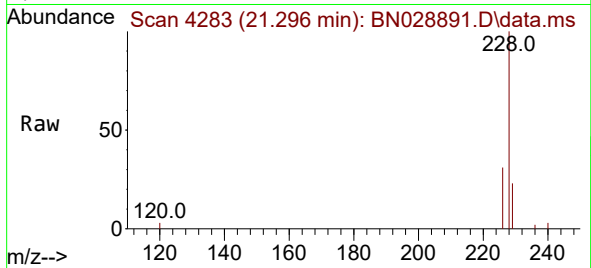
Tgt Ion:228 Resp: 27458

Ion Ratio Lower Upper

228 100

226 30.9 23.8 35.8

229 23.4 15.4 23.2#



#24

Benzo(b)fluoranthene

Concen: 0.911 ng/ul

RT: 22.848 min Scan# 4814

Delta R.T. -0.006 min

Lab File: BN028891.D

Acq: 27 Nov 2023 22:34

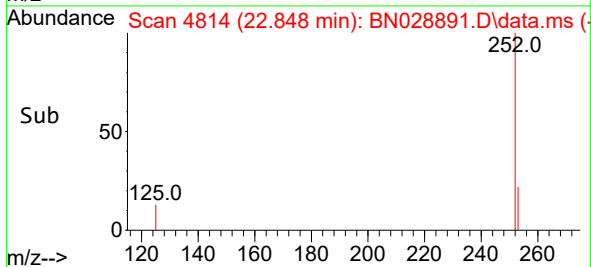
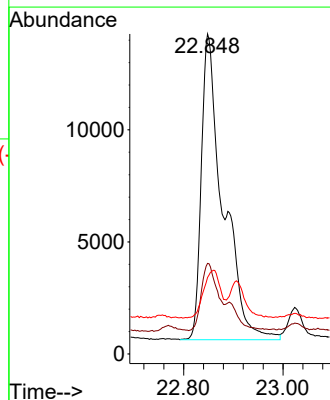
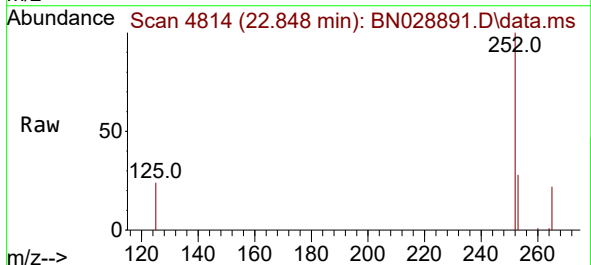
Tgt Ion:252 Resp: 41300

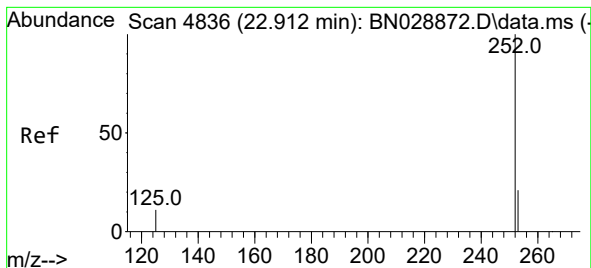
Ion Ratio Lower Upper

252 100

253 28.3 0.0 46.6

125 23.9 0.0 27.6





#25

Benzo(k)fluoranthene

Concen: 0.037 ng/ul

RT: 23.023 min Scan# 4836

Delta R.T. 0.120 min

Lab File: BN028891.D

Acq: 27 Nov 2023 22:34

Instrument :

BNA_N

ClientSampleId :

C0AB4

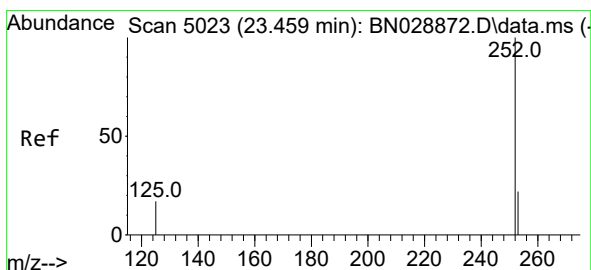
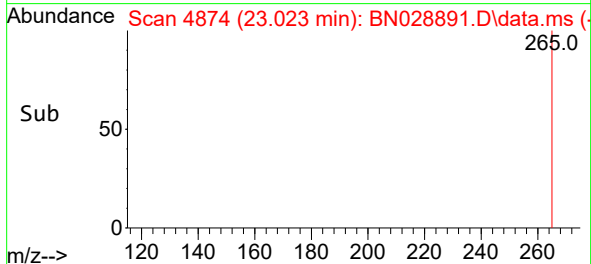
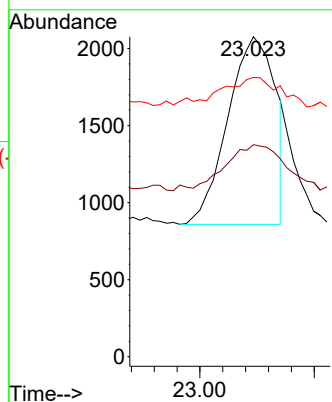
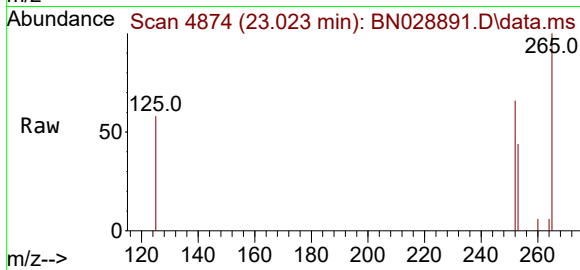
Tgt Ion:252 Resp: 1750

Ion Ratio Lower Upper

252 100

253 66.2 18.6 28.0#

125 87.2 12.7 19.1#



#26

Benzo(a)pyrene

Concen: 0.364 ng/ul

RT: 23.433 min Scan# 5014

Delta R.T. -0.012 min

Lab File: BN028891.D

Acq: 27 Nov 2023 22:34

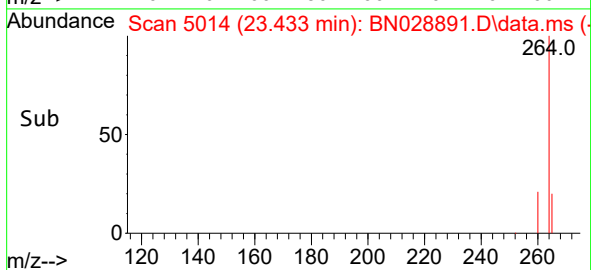
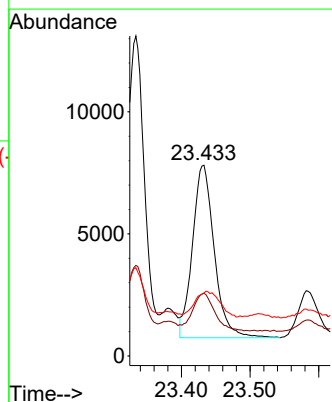
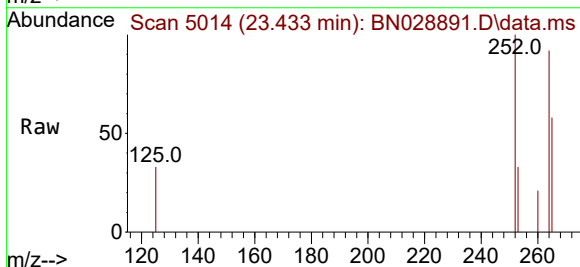
Tgt Ion:252 Resp: 15573

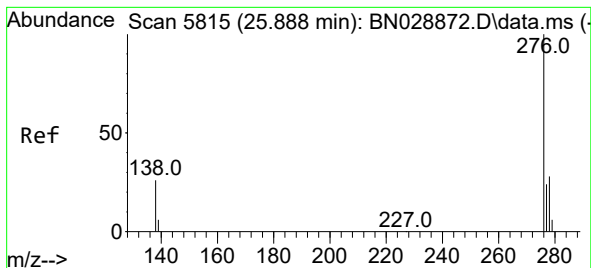
Ion Ratio Lower Upper

252 100

253 32.9 19.0 28.6#

125 33.1 13.2 19.8#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.270 ng/ul

RT: 25.858 min Scan# 5806

Delta R.T. -0.017 min

Lab File: BN028891.D

Acq: 27 Nov 2023 22:34

Instrument :

BNA_N

ClientSampleId :

C0AB4

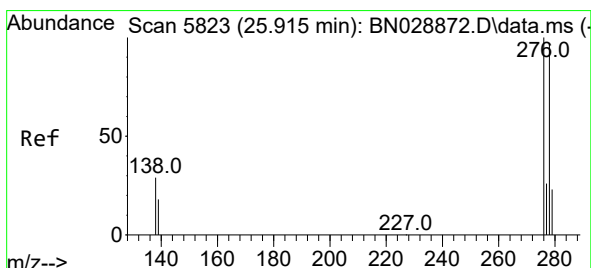
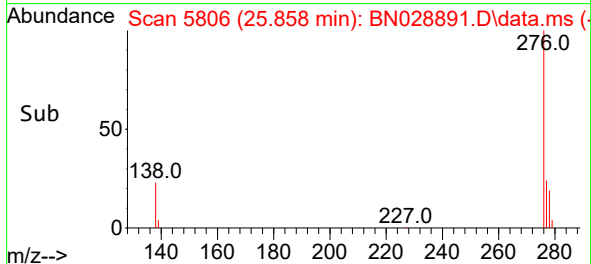
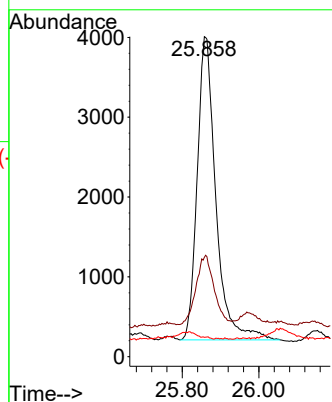
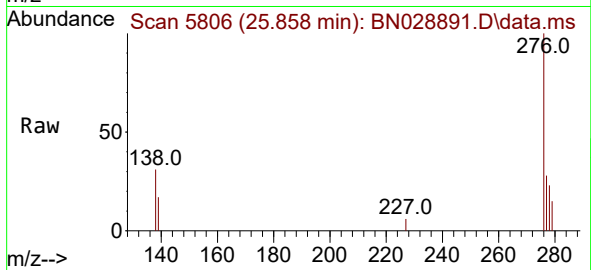
Tgt Ion:276 Resp: 12841

Ion Ratio Lower Upper

276 100

138 22.8 23.8 35.6#

227 0.0 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 0.093 ng/ul

RT: 25.878 min Scan# 5812

Delta R.T. -0.020 min

Lab File: BN028891.D

Acq: 27 Nov 2023 22:34

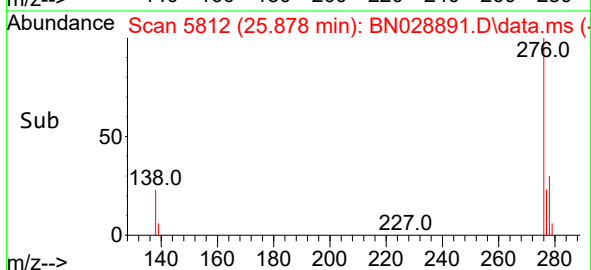
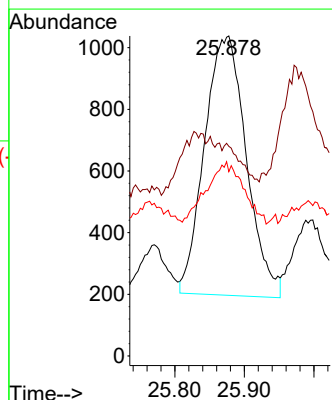
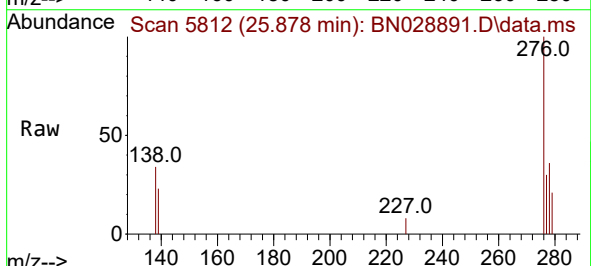
Tgt Ion:278 Resp: 3515

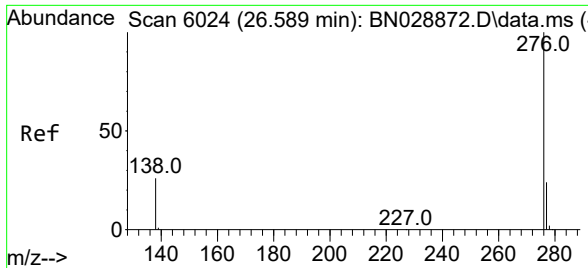
Ion Ratio Lower Upper

278 100

139 65.5 18.2 27.4#

279 57.6 20.7 31.1#





#29
 Benzo(g,h,i)perylene
 Concen: 0.399 ng/ul
 RT: 26.569 min Scan# 6018
 Delta R.T. -0.010 min
 Lab File: BN028891.D
 Acq: 27 Nov 2023 22:34

Instrument :
 BNA_N
 ClientSampleId :
 C0AB4

Tgt Ion:	276	Resp:	15517
Ion Ratio	Lower	Upper	
276	100		
138	30.4	20.5	30.7
277	26.6	19.4	29.0

