

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
 Data File : BN012830.D
 Acq On : 02 Dec 2020 21:57
 Operator : CG/JU
 Sample : L4793-13DL 5X
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B38DL

Quant Time: Dec 03 00:45:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 03 00:42:46 2020
 Response via : Initial Calibration

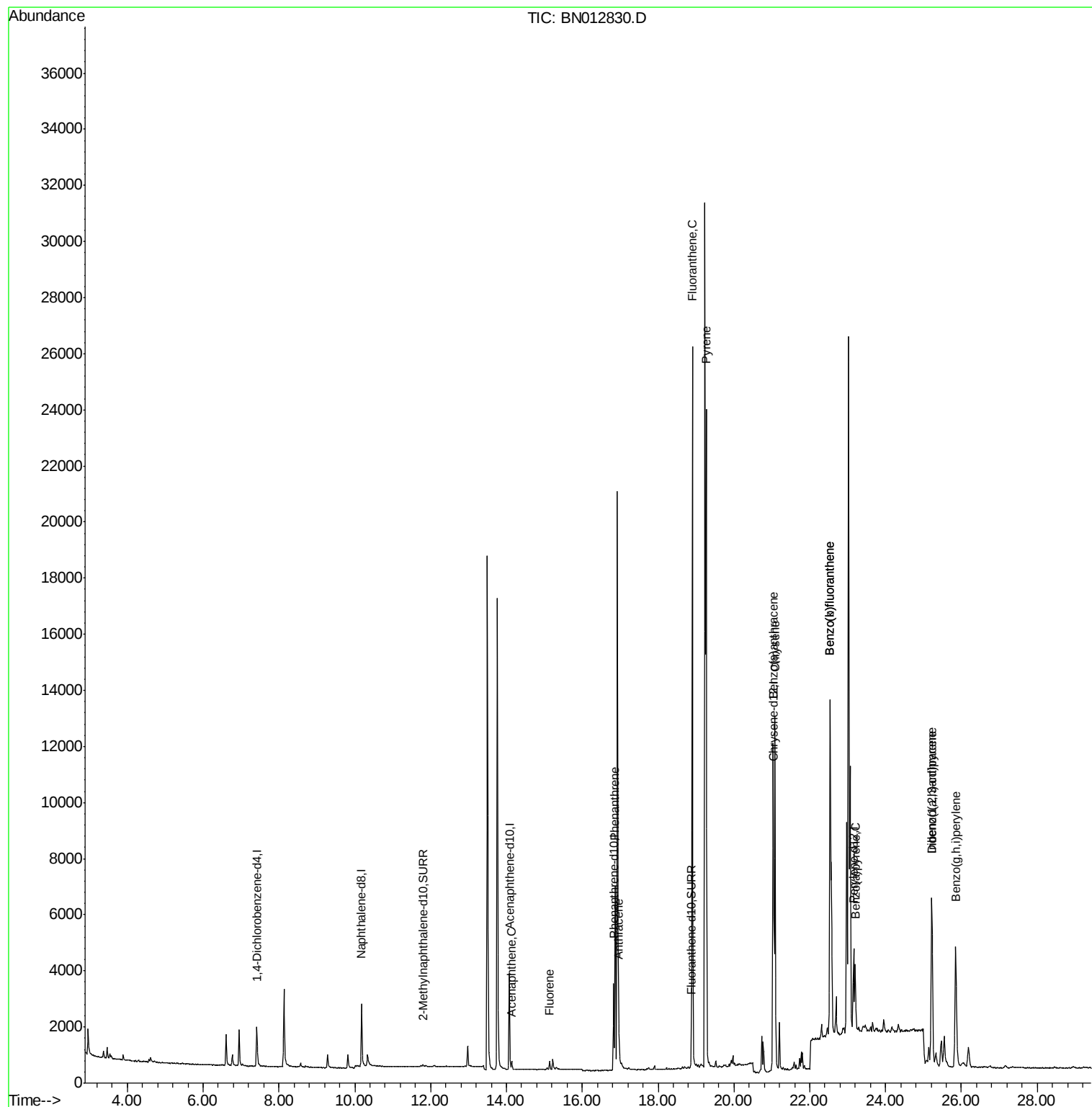
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	801	0.40	ng/ul	0.00
2) Naphthalene-d8	10.18	136	3175	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.07	164	1862	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.83	188	3839	0.40	ng/ul	0.00
16) Chrysene-d12	21.05	240	3269	0.40	ng/ul	0.00
20) Perylene-d12	23.15	264	3363	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.80	152	124	0.03	ng/ul	0.02
14) Fluoranthene-d10	18.87	212	279	0.03	ng/ul	0.00
Target Compounds				Ovalue		
8) Acenaphthene	14.14	153	161	0.021	ng/ul#	88
9) Fluorene	15.13	166	220	0.026	ng/ul#	90
12) Phenanthrene	16.87	178	7098	0.531	ng/ul	98
13) Anthracene	16.96	178	1011	0.087	ng/ul#	91
15) Fluoranthene	18.90	202	22938	1.487	ng/ul	96
17) Pyrene	19.26	202	19918	1.362	ng/ul	100
18) Benzo(a)anthracene	21.03	228	9526	0.813	ng/ul	99
19) Chrysene	21.08	228	13100	0.895	ng/ul	98
21) Benzo(b)fluoranthene	22.53	252	24892	1.609	ng/ul	91
22) Benzo(k)fluoranthene	22.53	252	24892	1.395	ng/ul	92
23) Benzo(a)pyrene	23.20	252	1683	0.116	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.22	276	9418	0.495	ng/ul	93
25) Dibenzo(a,h)anthracene	25.23	278	2169	0.142	ng/ul#	87
26) Benzo(g,h,i)perylene	25.85	276	8436	0.492	ng/ul	98

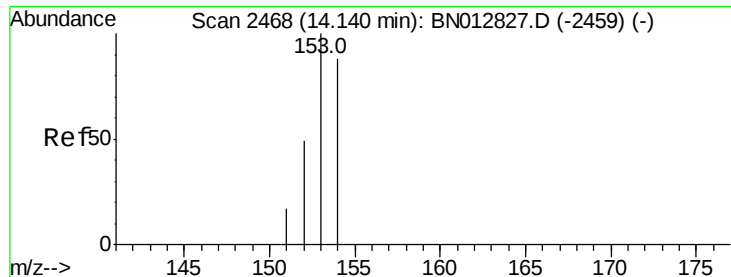
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 03 00:45:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
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QLast Update : Thu Dec 03 00:42:46 2020
Response via : Initial Calibration





#8

Acenaphthene

Concen: 0.021 ng/ul

RT: 14.14 min Scan# 2468

Delta R.T. -0.00 min

Lab File: BN012830.D

Acq: 02 Dec 2020 21:57

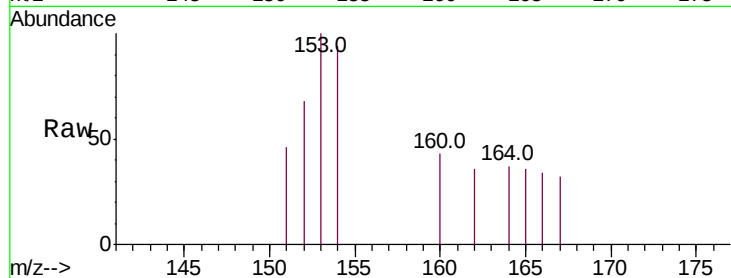
Instrument :

BNA_N

ClientSampleId :

C0B38DL

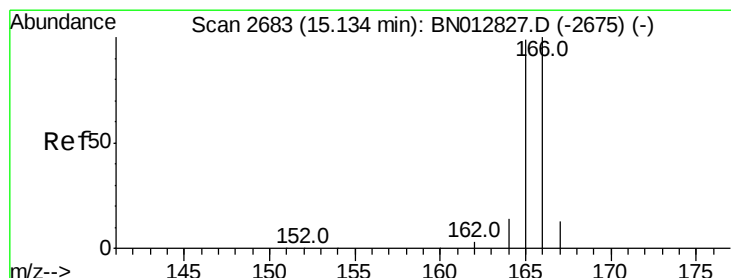
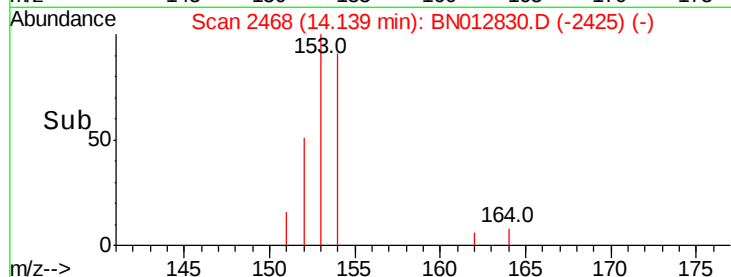
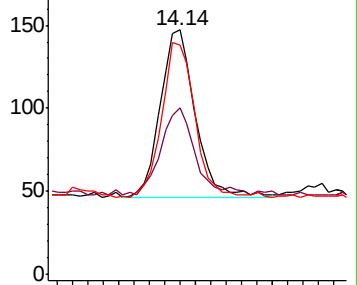
Tot Ion:153	Resp:	161
Ion	Ratio	Lower Upper
153	100	
152	68.0	41.4 62.0#
154	93.9	70.9 106.3



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#9

Fluorene

Concen: 0.026 ng/ul

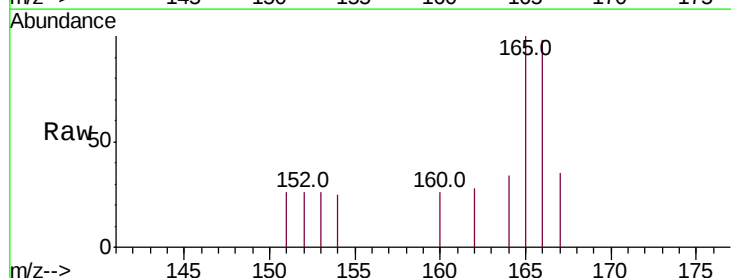
RT: 15.13 min Scan# 2683

Delta R.T. -0.00 min

Lab File: BN012830.D

Acq: 02 Dec 2020 21:57

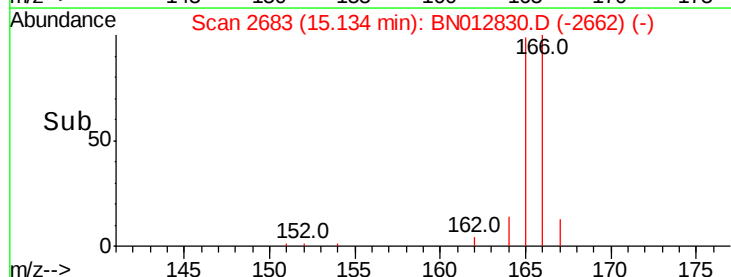
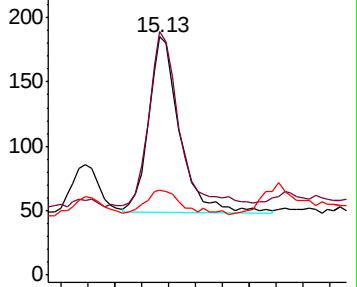
Tgt Ion:166	Resp:	220
Ion	Ratio	Lower Upper
166	100	
165	102.2	78.5 117.7
167	35.7	12.7 19.1#

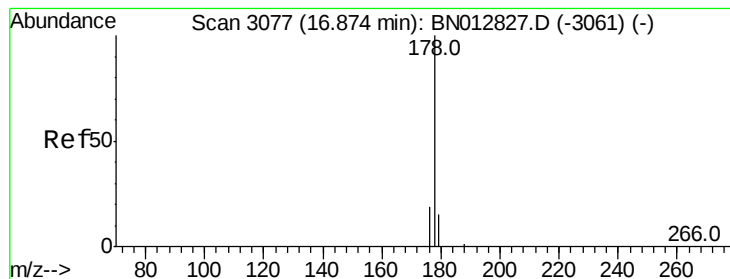


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.531 ng/ul

RT: 16.87 min Scan# 3076

Delta R.T. -0.00 min

Lab File: BN012830.D

Acq: 02 Dec 2020 21:57

Instrument :

BNA_N

ClientSampleId :

C0B38DL

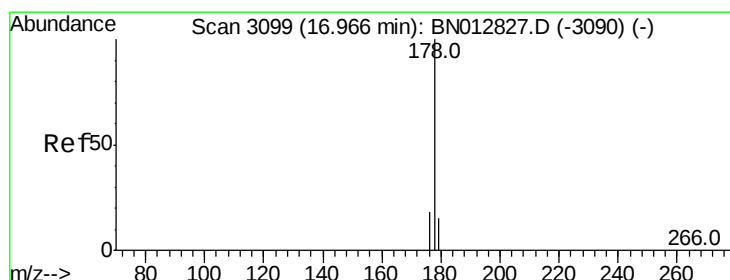
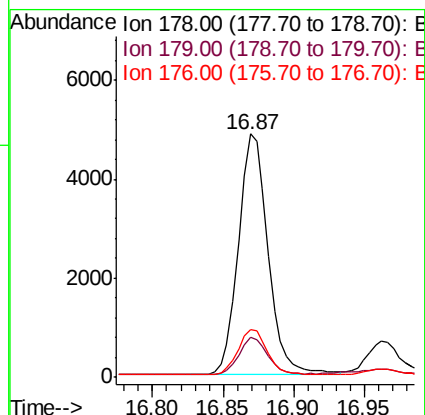
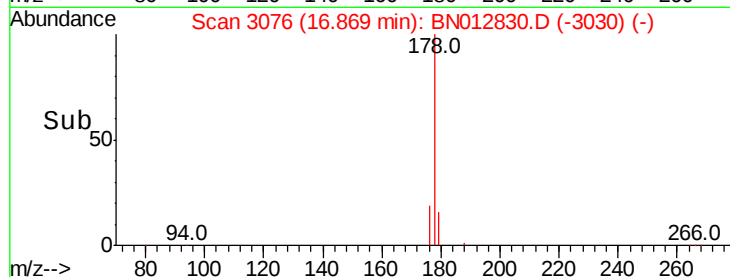
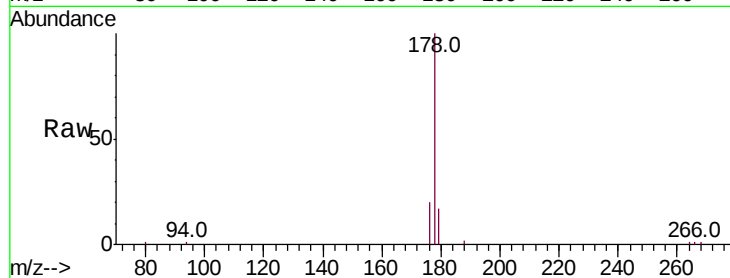
Tot Ion:178 Resp: 7098

Ion Ratio Lower Upper

178 100

179 16.5 13.8 20.6

176 19.5 16.7 25.1



#13

Anthracene

Concen: 0.087 ng/ul

RT: 16.96 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BN012830.D

Acq: 02 Dec 2020 21:57

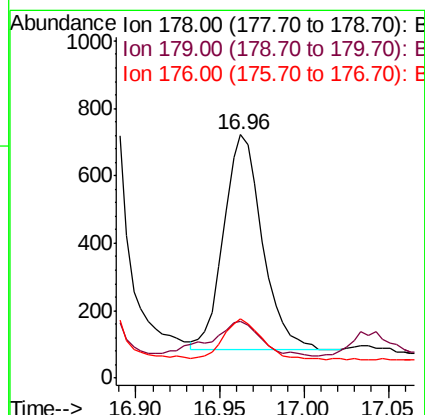
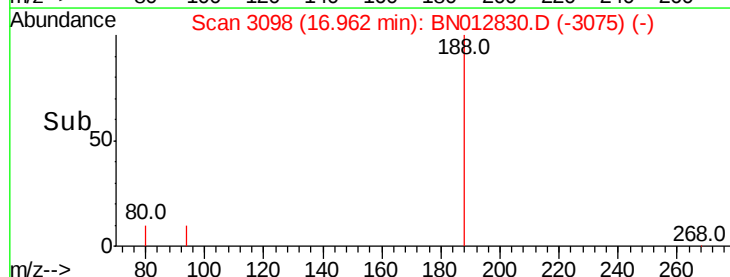
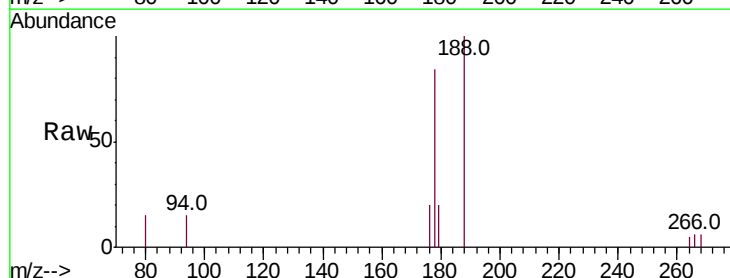
Tgt Ion:178 Resp: 1011

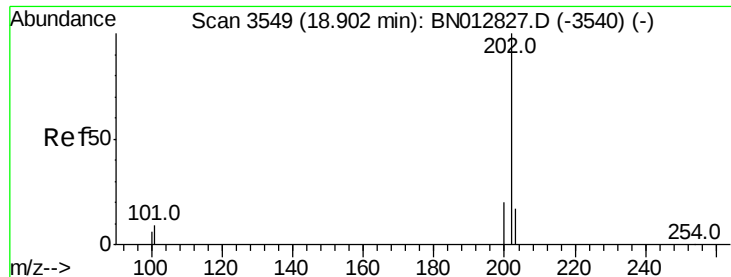
Ion Ratio Lower Upper

178 100

179 23.3 14.8 22.2#

176 24.1 16.3 24.5





#15

Fluoranthene

Concen: 1.487 ng/ul

RT: 18.90 min Scan# 3549

Delta R.T. -0.00 min

Lab File: BN012830.D

Acq: 02 Dec 2020 21:57

Instrument :

BNA_N

ClientSampleId :

C0B38DL

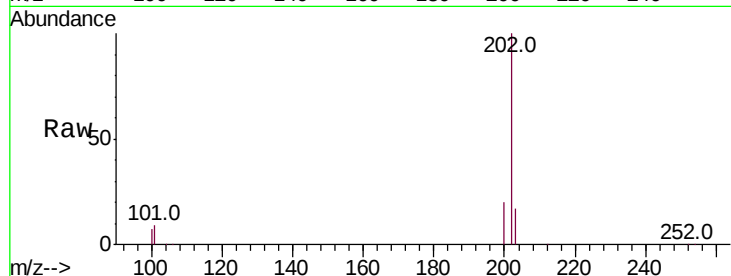
Tot Ion:202 Resp: 22938

Ion Ratio Lower Upper

202 100

101 8.9 0.0 30.5

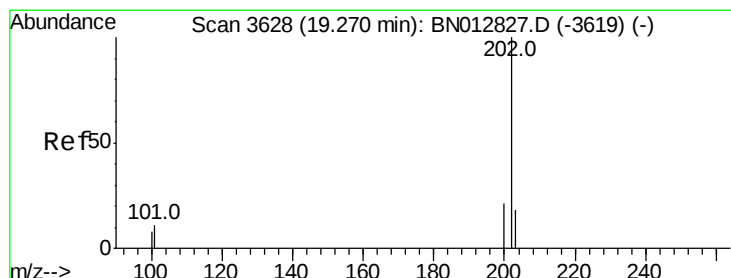
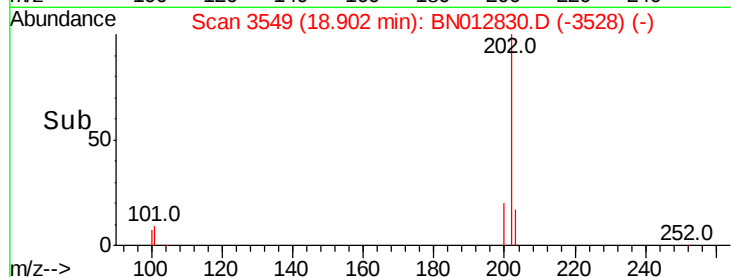
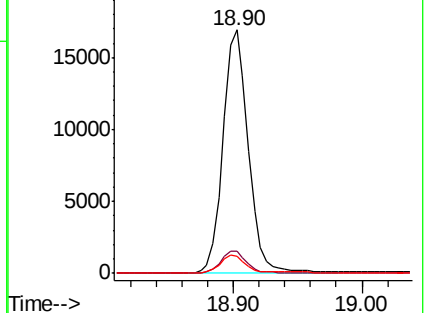
100 6.9 0.0 28.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 1.362 ng/ul

RT: 19.26 min Scan# 3627

Delta R.T. -0.00 min

Lab File: BN012830.D

Acq: 02 Dec 2020 21:57

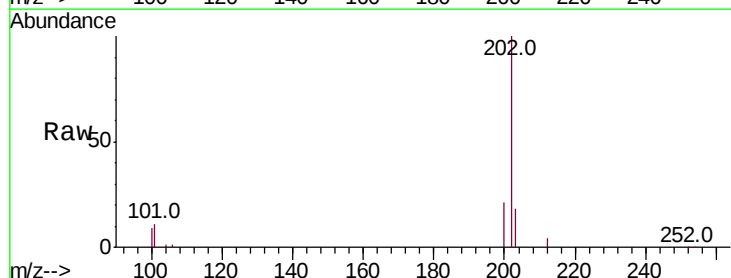
Tgt Ion:202 Resp: 19918

Ion Ratio Lower Upper

202 100

101 11.1 8.9 13.3

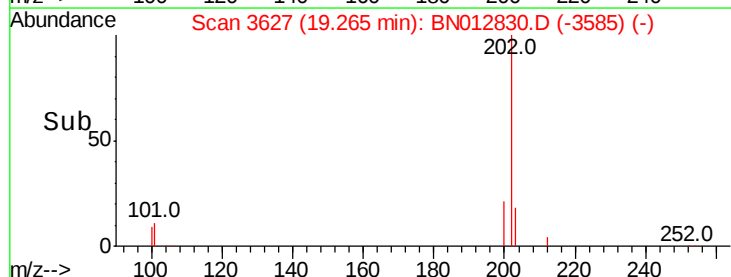
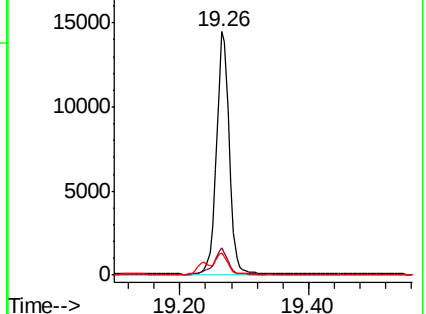
100 9.3 7.4 11.2

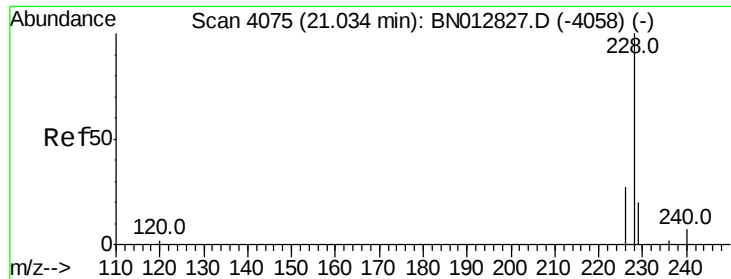


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.813 ng/ul

RT: 21.03 min Scan# 4074

Delta R.T. -0.01 min

Lab File: BN012830.D

Acq: 02 Dec 2020 21:57

Instrument :

BNA_N

ClientSampleId :

C0B38DL

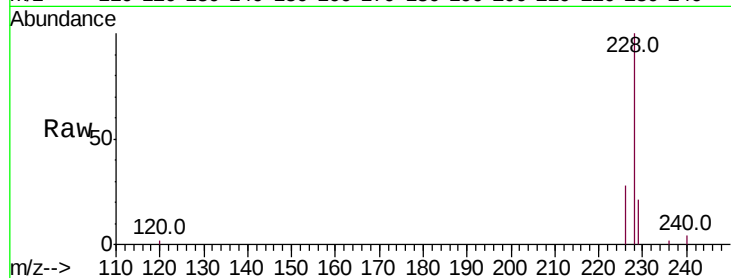
Tot Ion:228 Resp: 9526

Ion Ratio Lower Upper

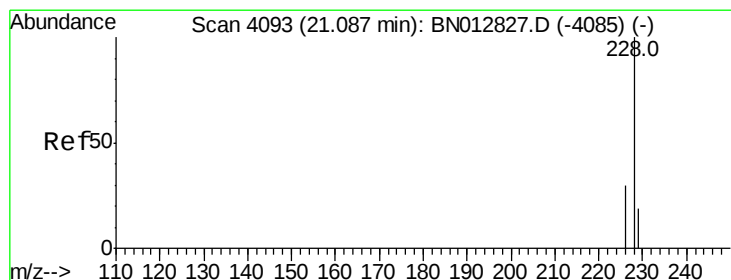
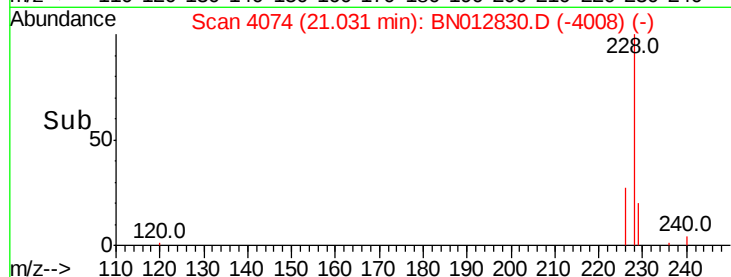
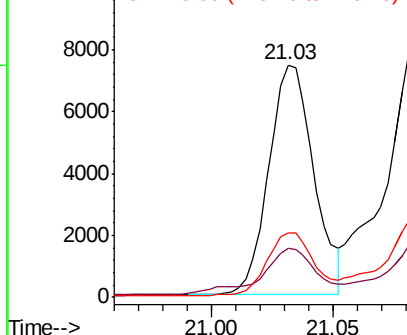
228 100

229 21.2 16.9 25.3

226 27.9 23.1 34.7



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.895 ng/ul

RT: 21.08 min Scan# 4092

Delta R.T. -0.00 min

Lab File: BN012830.D

Acq: 02 Dec 2020 21:57

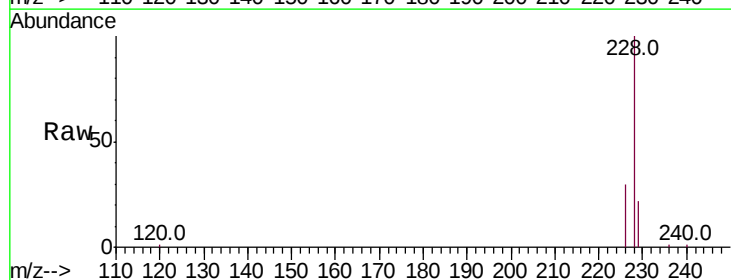
Tgt Ion:228 Resp: 13100

Ion Ratio Lower Upper

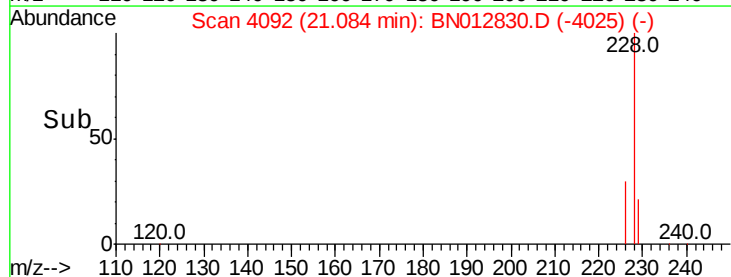
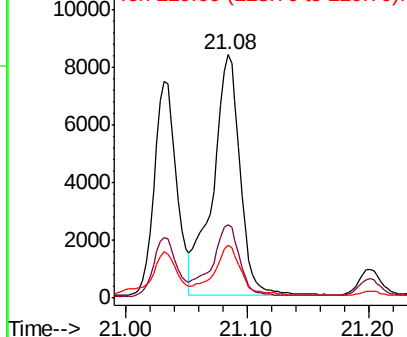
228 100

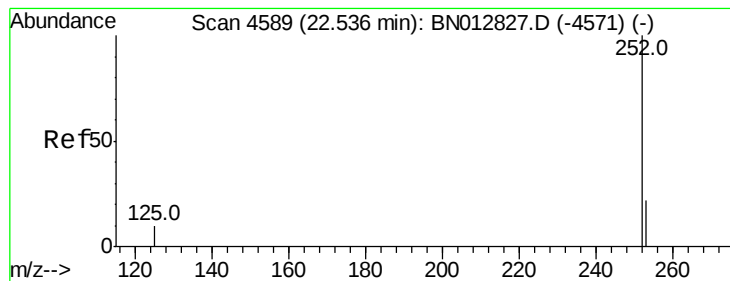
226 30.2 24.4 36.6

229 21.7 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 1.609 ng/uL

RT: 22.53 min Scan# 4588

Delta R.T. -0.00 min

Lab File: BN012830.D

Acq: 02 Dec 2020 21:57

Instrument :

BNA_N

ClientSampleId :

C0B38DL

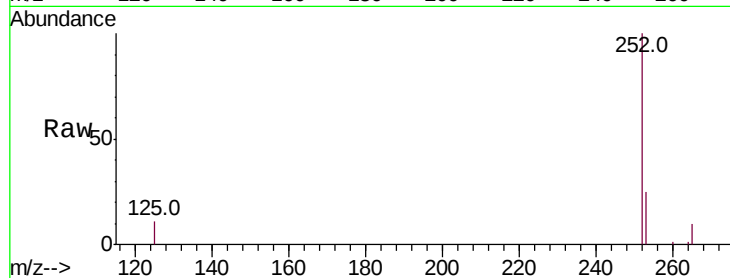
Tot Ion:252 Resp: 24892

Ion Ratio Lower Upper

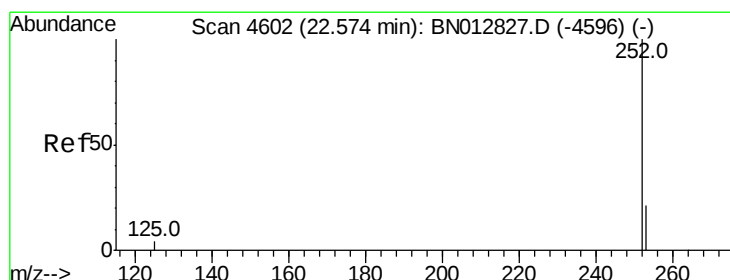
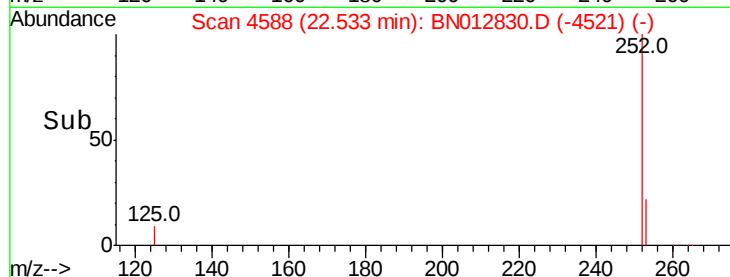
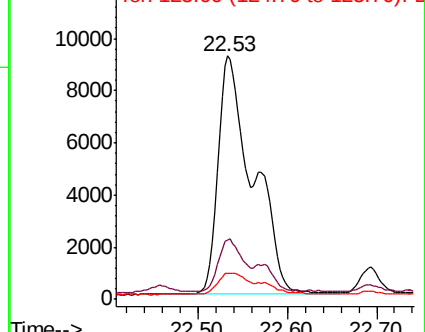
252 100

253 24.6 0.0 58.4

125 10.7 0.0 28.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 1.395 ng/uL

RT: 22.53 min Scan# 4588

Delta R.T. -0.05 min

Lab File: BN012830.D

Acq: 02 Dec 2020 21:57

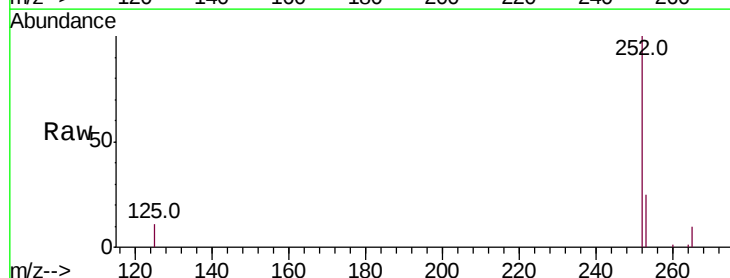
Tgt Ion:252 Resp: 24892

Ion Ratio Lower Upper

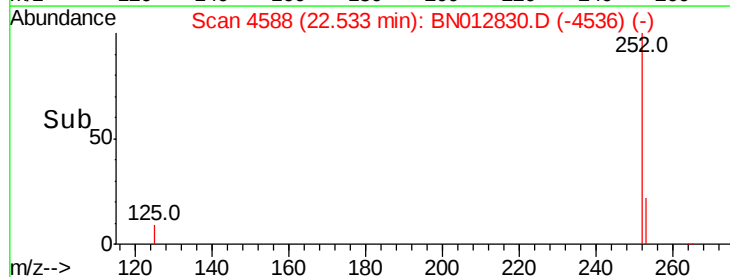
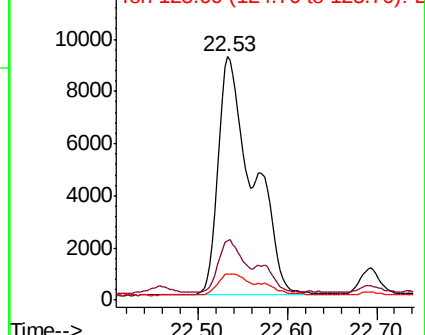
252 100

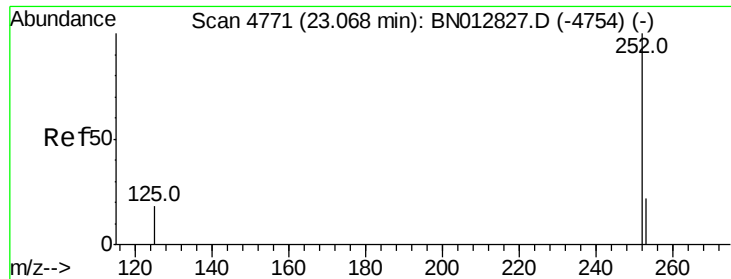
253 24.6 23.4 35.2

125 10.7 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.116 ng/ul

RT: 23.20 min Scan# 4815

Delta R.T. 0.13 min

Lab File: BN012830.D

Acq: 02 Dec 2020 21:57

Instrument :

BNA_N

ClientSampleId :

C0B38DL

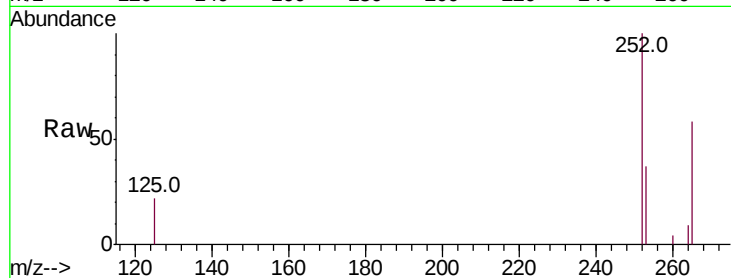
Tot Ion:252 Resp: 1683

Ion Ratio Lower Upper

252 100

253 36.7 27.6 41.4

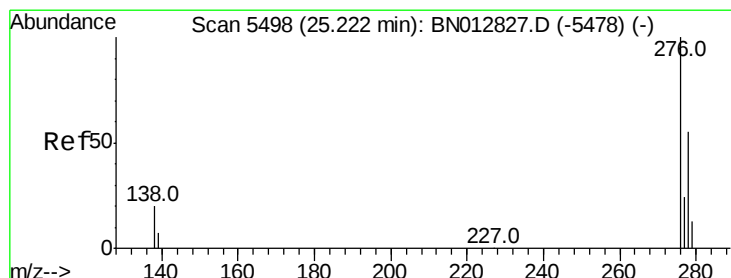
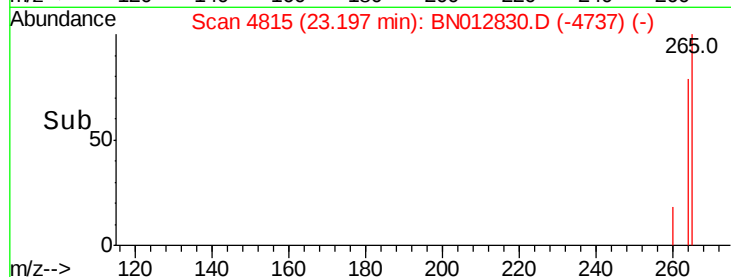
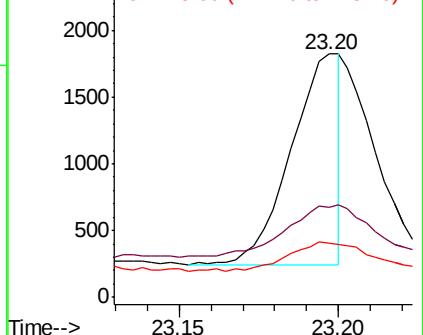
125 22.0 17.0 25.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.495 ng/ul

RT: 25.22 min Scan# 5497

Delta R.T. -0.01 min

Lab File: BN012830.D

Acq: 02 Dec 2020 21:57

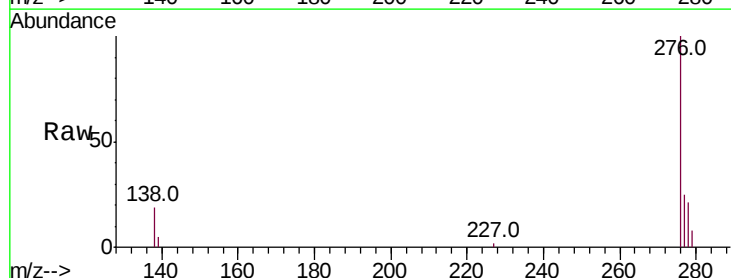
Tgt Ion:276 Resp: 9418

Ion Ratio Lower Upper

276 100

138 17.4 16.5 24.7

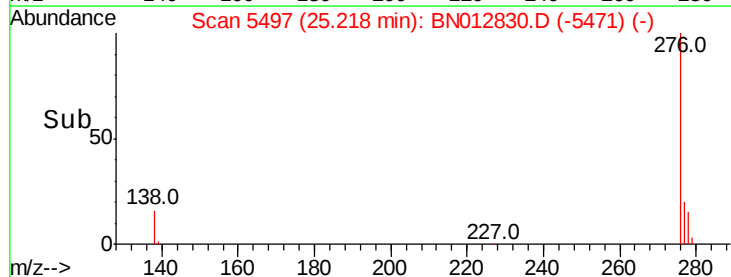
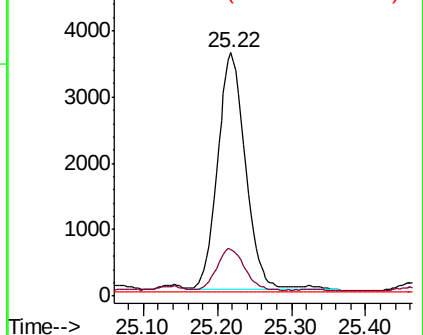
227 0.1 0.1 0.1

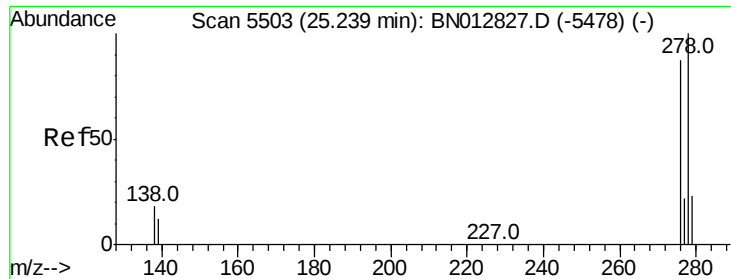


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.142 ng/u1

RT: 25.23 min Scan# 5499

Delta R.T. -0.02 min

Lab File: BN012830.D

Acq: 02 Dec 2020 21:57

Instrument :

BNA_N

ClientSampleId :

C0B38DL

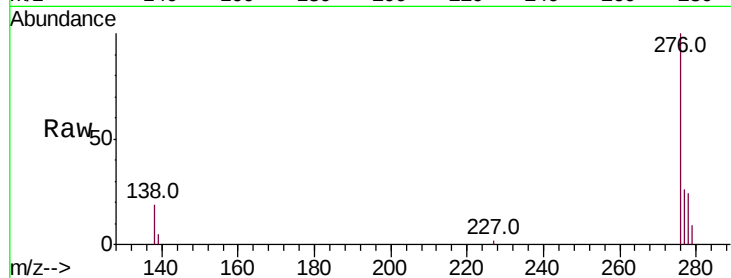
Tot Ion:278 Resp: 2169

Ion Ratio Lower Upper

278 100

139 22.7 13.8 20.8#

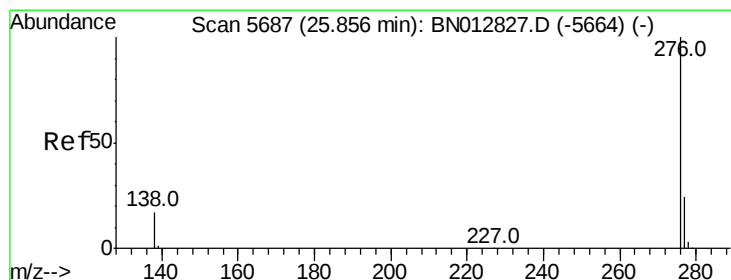
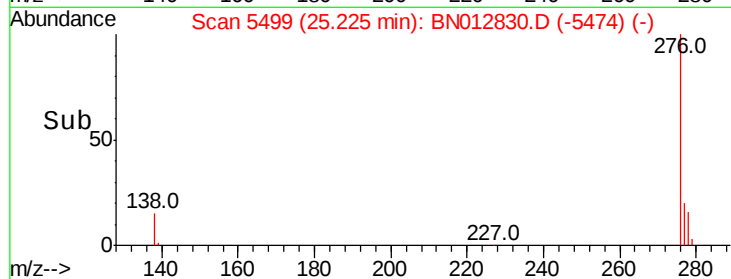
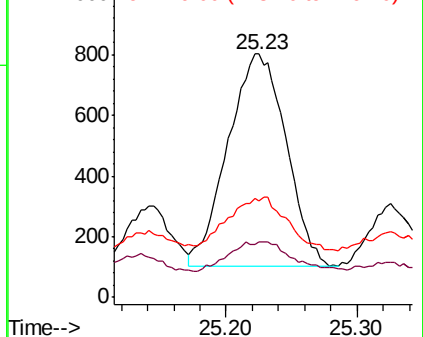
279 39.5 25.6 38.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.492 ng/u1

RT: 25.85 min Scan# 5685

Delta R.T. -0.01 min

Lab File: BN012830.D

Acq: 02 Dec 2020 21:57

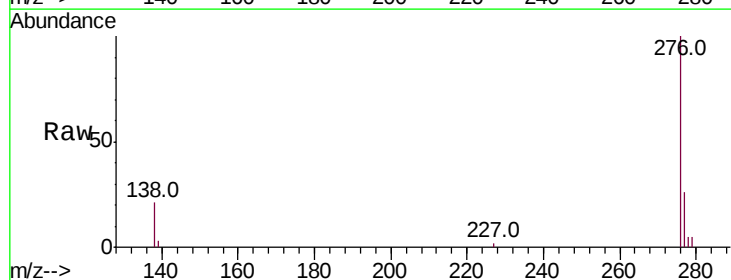
Tgt Ion:276 Resp: 8436

Ion Ratio Lower Upper

276 100

138 21.0 16.3 24.5

277 26.1 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

