

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
 Data File : BN012831.D
 Acq On : 02 Dec 2020 22:33
 Operator : CG/JU
 Sample : L4865-03
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B23

Quant Time: Dec 03 00:45:46 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	1080	0.40	ng/ul	0.00
2) Naphthalene-d8	10.18	136	4353	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.07	164	2550	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.83	188	5530	0.40	ng/ul	0.00
16) Chrysene-d12	21.05	240	4818	0.40	ng/ul	0.00
20) Perylene-d12	23.15	264	5225	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.79	152	645	0.10	ng/ul	0.00
14) Fluoranthene-d10	18.87	212	1647	0.11	ng/ul	0.00

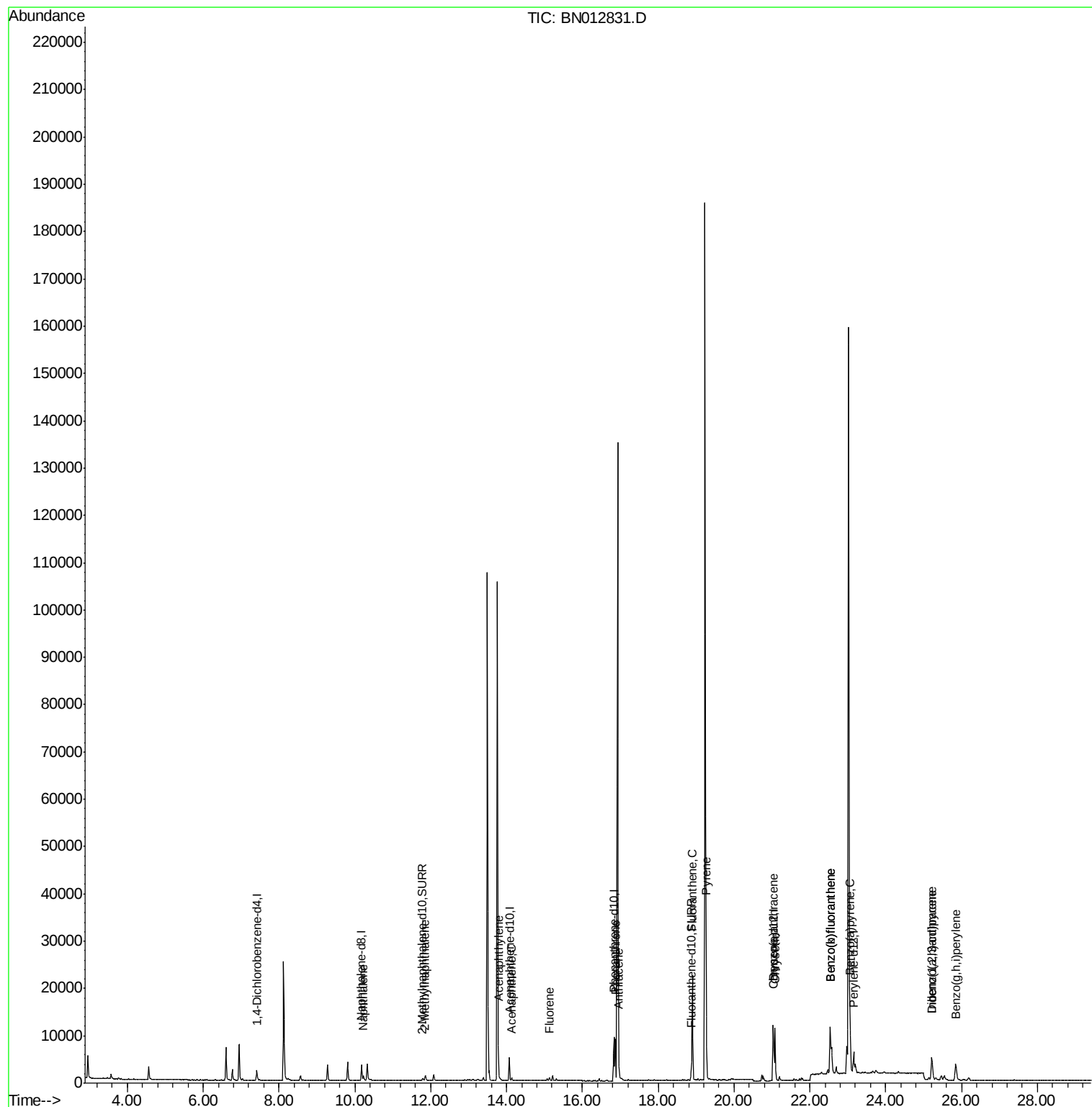
Target Compounds				Ovalue		
3) Naphthalene	10.22	128	1358	0.104	ng/ul	95
5) 2-Methylnaphthalene	11.86	142	951	0.114	ng/ul	97
7) Acenaphthylene	13.79	152	588	0.047	ng/ul#	79
8) Acenaphthene	14.14	153	373	0.036	ng/ul	96
9) Fluorene	15.13	166	364	0.032	ng/ul#	90
12) Phenanthrene	16.87	178	8756	0.455	ng/ul	98
13) Anthracene	16.96	178	1659	0.099	ng/ul	96
15) Fluoranthene	18.90	202	19322	0.870	ng/ul	96
17) Pyrene	19.26	202	18128	0.841	ng/ul	99
18) Benzo(a)anthracene	21.03	228	9206	0.533	ng/ul	100
19) Chrysene	21.08	228	11190	0.519	ng/ul	99
21) Benzo(b)fluoranthene	22.53	252	21208	0.882	ng/ul	95
22) Benzo(k)fluoranthene	22.53	252	21208	0.765	ng/ul	94
23) Benzo(a)pyrene	23.06	252	10167	0.449	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.21	276	7521	0.254	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.22	278	1830	0.077	ng/ul#	76
26) Benzo(a,h,i)perylene	25.85	276	6753	0.254	ng/ul	97

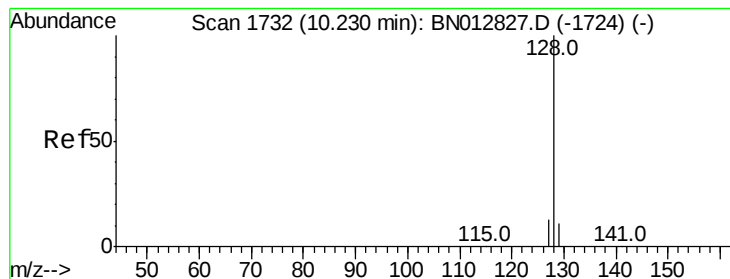
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 03 00:42:46 2020
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#3

Naphthalene

Concen: 0.104 ng/ul

RT: 10.22 min Scan# 1731

Delta R.T. -0.01 min

Lab File: BN012831.D

Acq: 02 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B23

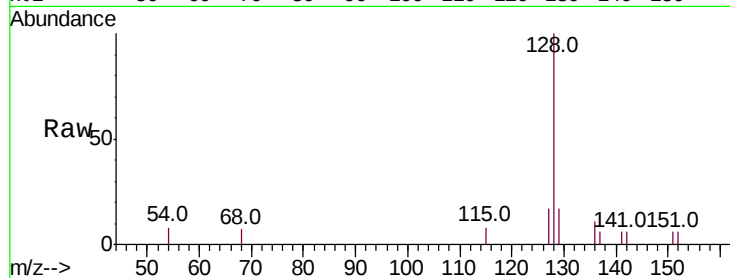
Tot Ion:128 Resp: 1358

Ion Ratio Lower Upper

128 100

129 16.5 11.2 16.8

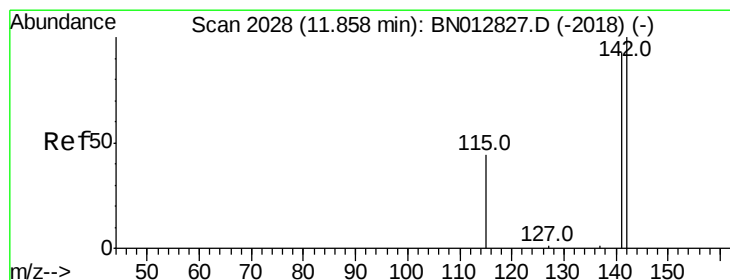
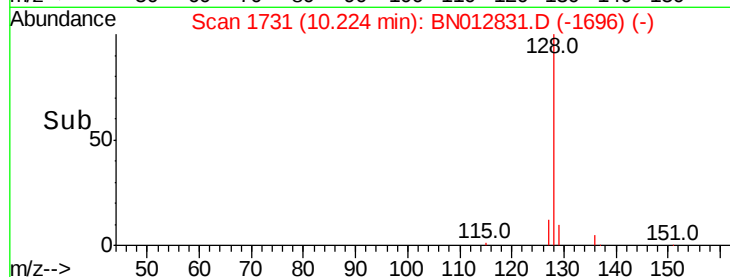
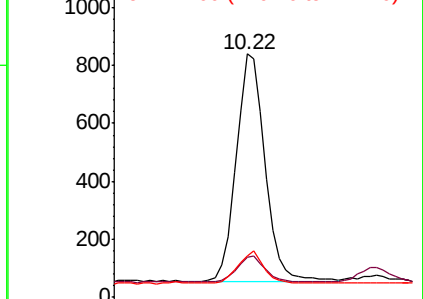
127 17.3 12.5 18.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.114 ng/ul

RT: 11.86 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BN012831.D

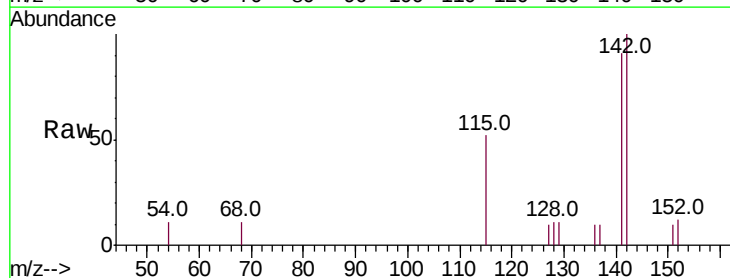
Acq: 02 Dec 2020 22:33

Tgt Ion:142 Resp: 951

Ion Ratio Lower Upper

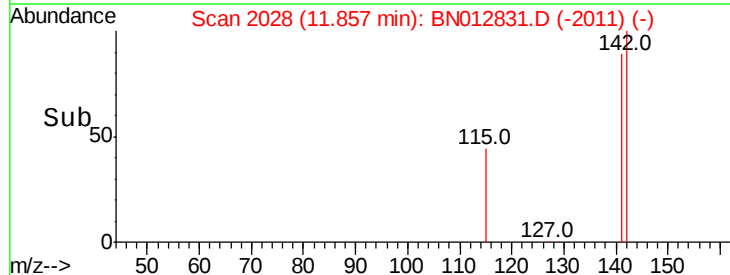
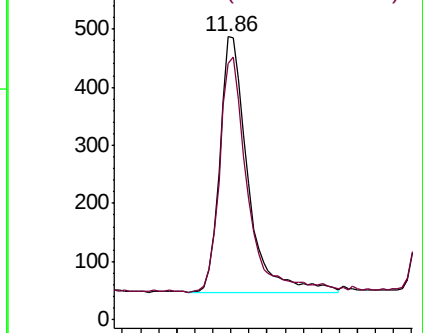
142 100

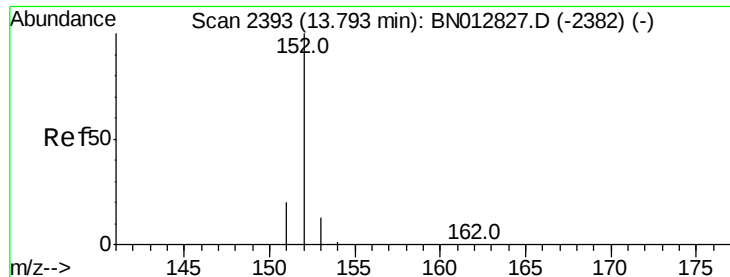
141 93.1 72.3 108.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.047 ng/ul

RT: 13.79 min Scan# 2393

Delta R.T. -0.00 min

Lab File: BN012831.D

Acq: 02 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B23

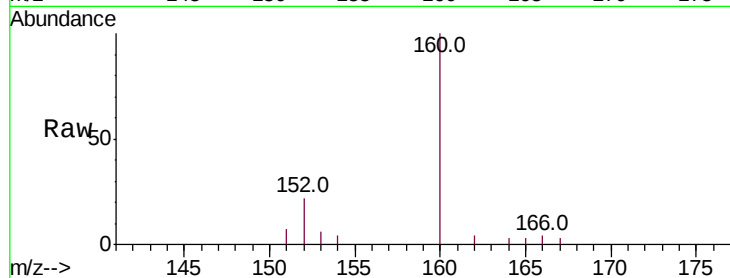
Tot Ion:152 Resp: 588

Ion Ratio Lower Upper

152 100

151 30.4 17.1 25.7#

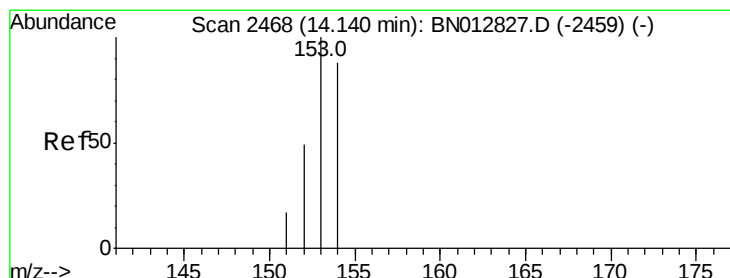
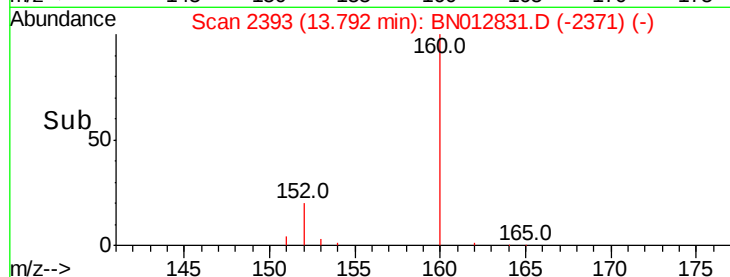
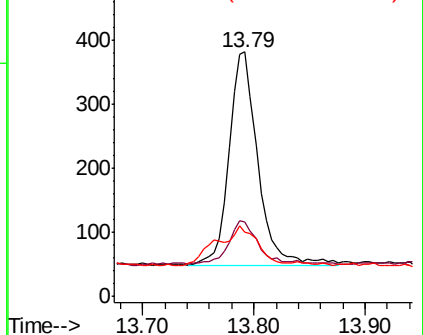
153 26.2 12.6 19.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.036 ng/ul

RT: 14.14 min Scan# 2468

Delta R.T. -0.00 min

Lab File: BN012831.D

Acq: 02 Dec 2020 22:33

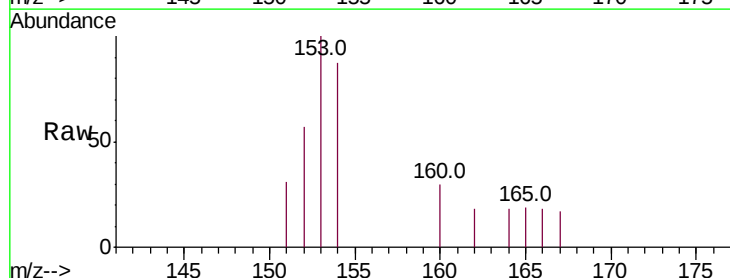
Tgt Ion:153 Resp: 373

Ion Ratio Lower Upper

153 100

152 56.7 41.4 62.0

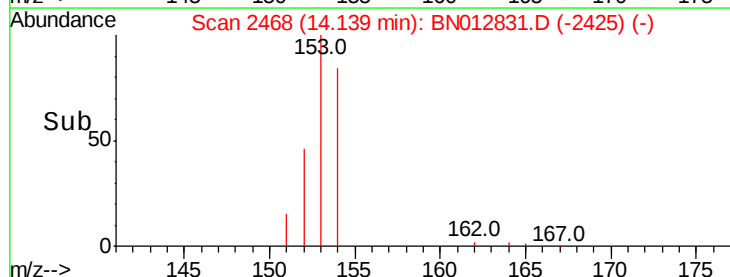
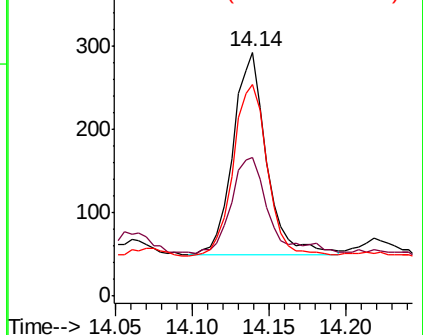
154 87.0 70.9 106.3

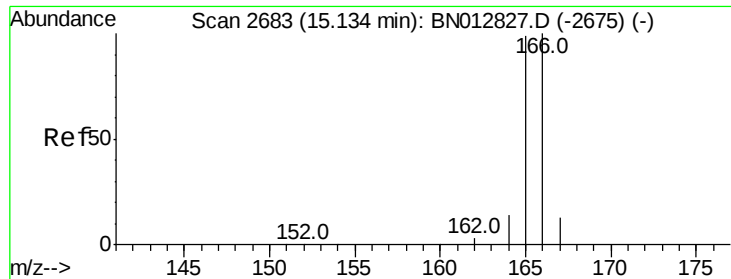


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.032 ng/ul

RT: 15.13 min Scan# 2683

Delta R.T. -0.00 min

Lab File: BN012831.D

Acq: 02 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B23

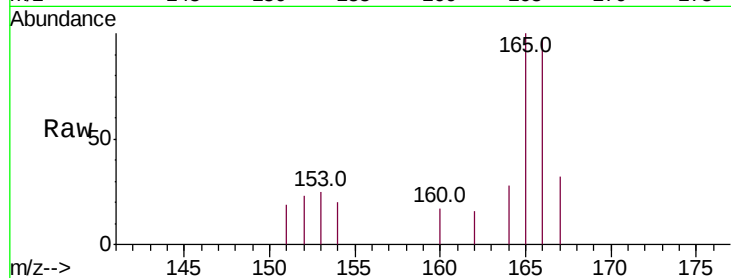
Tot Ion:166 Resp: 364

Ion Ratio Lower Upper

166 100

165 103.0 78.5 117.7

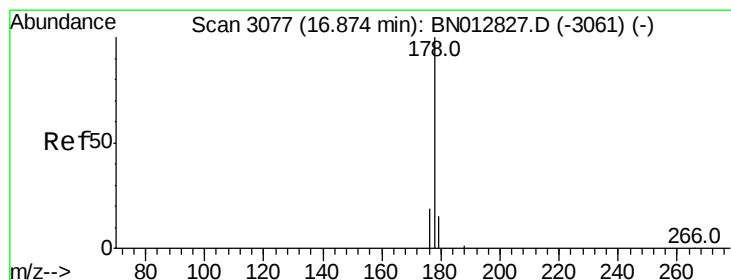
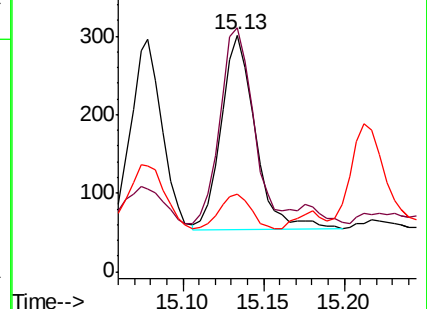
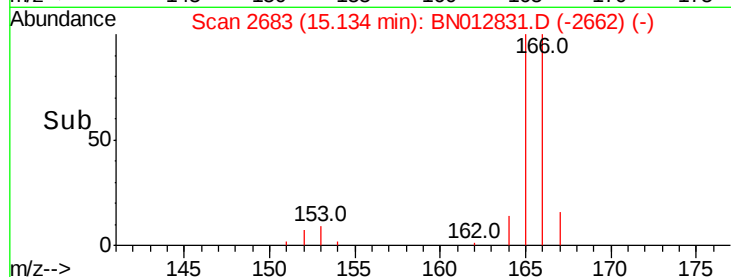
167 32.5 12.7 19.1#



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: 0.455 ng/ul

RT: 16.87 min Scan# 3076

Delta R.T. -0.00 min

Lab File: BN012831.D

Acq: 02 Dec 2020 22:33

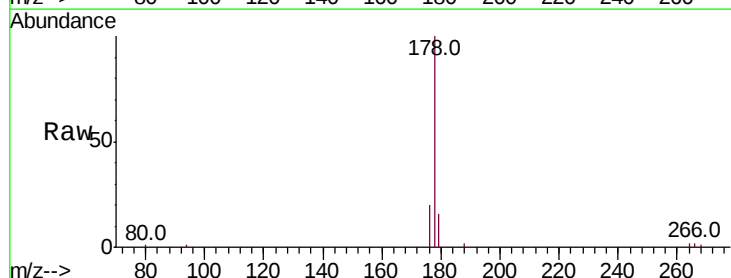
Tgt Ion:178 Resp: 8756

Ion Ratio Lower Upper

178 100

179 16.4 13.8 20.6

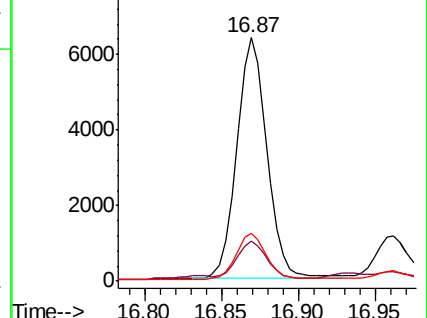
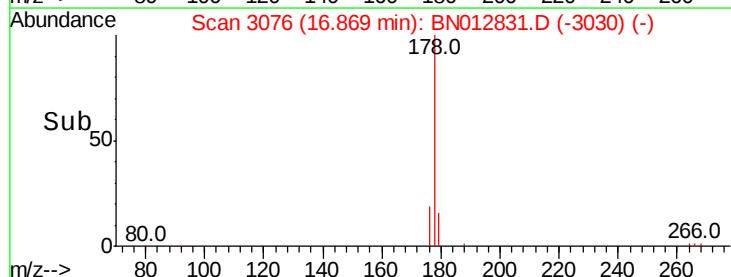
176 19.7 16.7 25.1

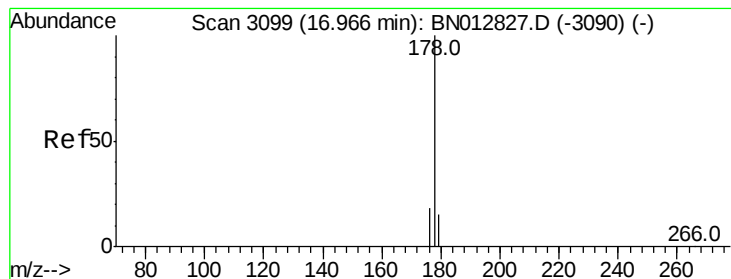


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.099 ng/ul

RT: 16.96 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BN012831.D

Acq: 02 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B23

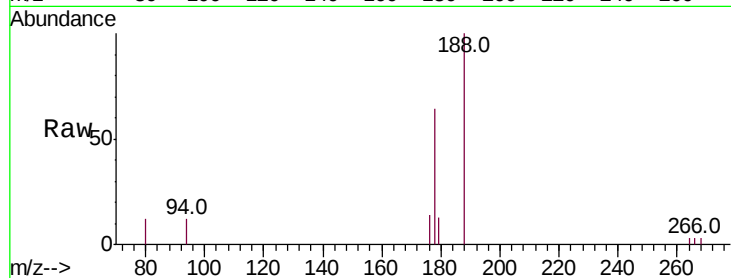
Tot Ion:178 Resp: 1659

Ion Ratio Lower Upper

178 100

179 20.0 14.8 22.2

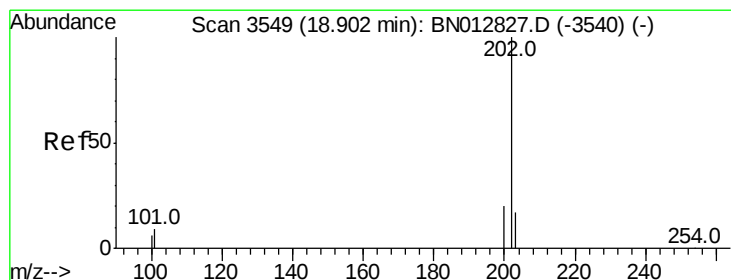
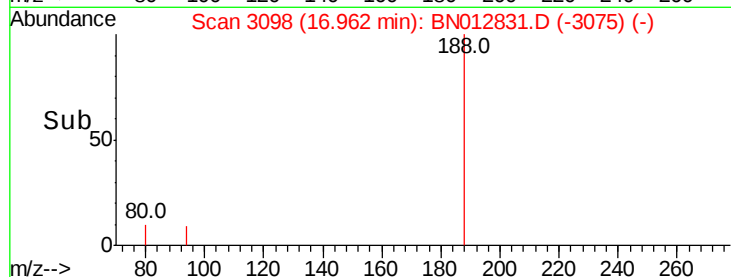
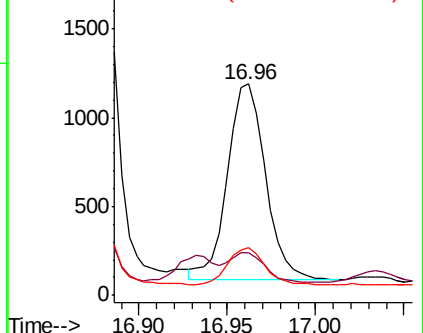
176 22.4 16.3 24.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 0.870 ng/ul

RT: 18.90 min Scan# 3549

Delta R.T. -0.00 min

Lab File: BN012831.D

Acq: 02 Dec 2020 22:33

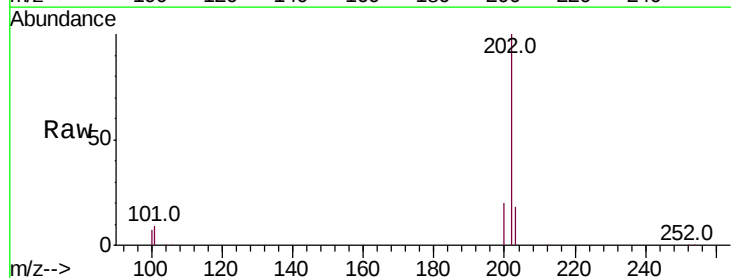
Tgt Ion:202 Resp: 19322

Ion Ratio Lower Upper

202 100

101 9.1 0.0 30.5

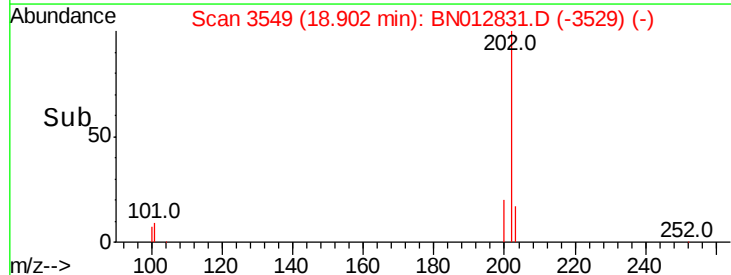
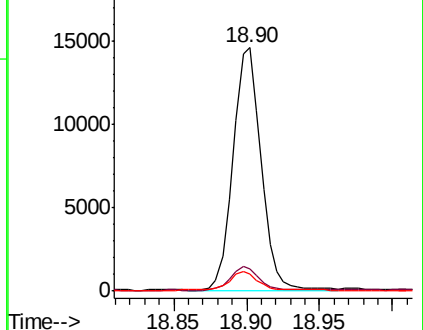
100 7.1 0.0 28.4

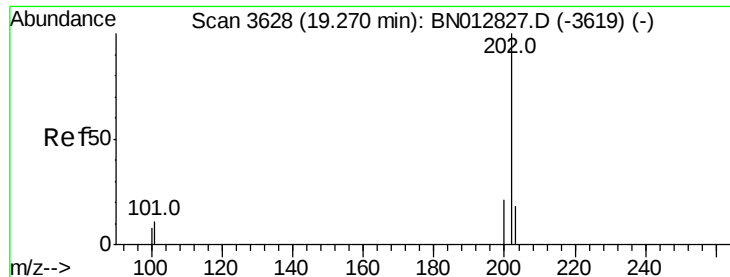


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

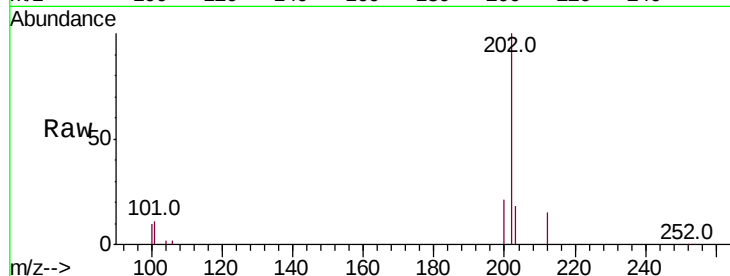




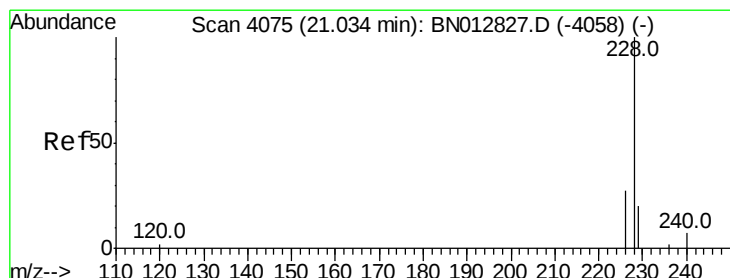
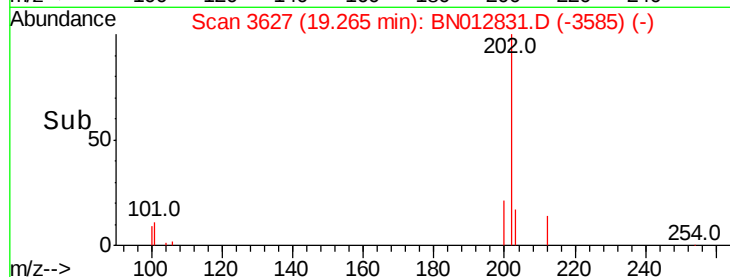
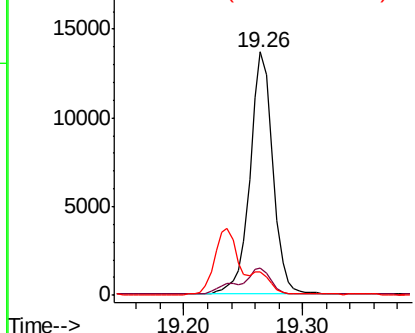
#17
Pvrene
Concen: 0.841 ng/ul
RT: 19.26 min Scan# 3627
Delta R.T. -0.00 min
Lab File: BN012831.D
Acq: 02 Dec 2020 22:33

Instrument :
BNA_N
ClientSampleId :
C0B23

Tot Ion:202 Resp: 18128
Ion Ratio Lower Upper
202 100
101 11.4 8.9 13.3
100 9.6 7.4 11.2

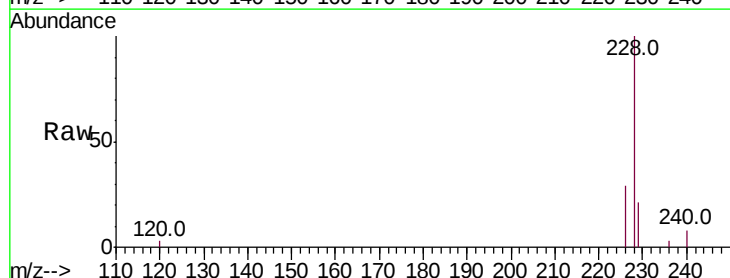


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

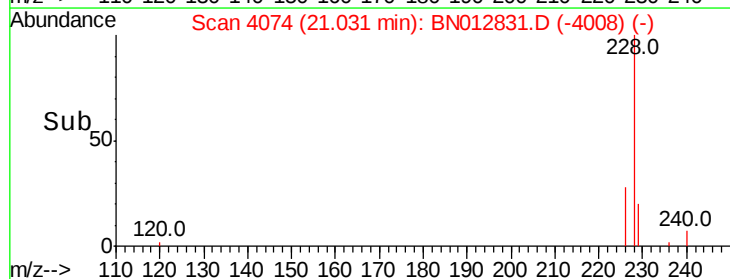
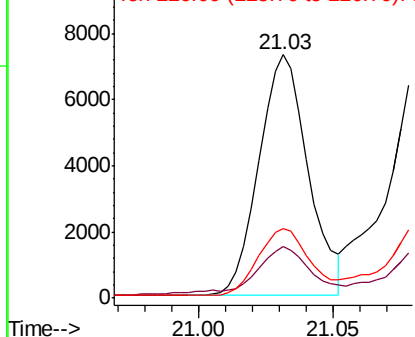


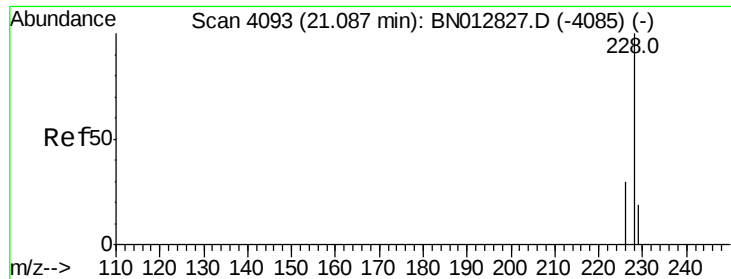
#18
Benzo(a)anthracene
Concen: 0.533 ng/ul
RT: 21.03 min Scan# 4074
Delta R.T. -0.01 min
Lab File: BN012831.D
Acq: 02 Dec 2020 22:33

Tgt Ion:228 Resp: 9206
Ion Ratio Lower Upper
228 100
229 21.1 16.9 25.3
226 28.6 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: 0.519 ng/ul

RT: 21.08 min Scan# 4092

Delta R.T. -0.00 min

Lab File: BN012831.D

Acq: 02 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B23

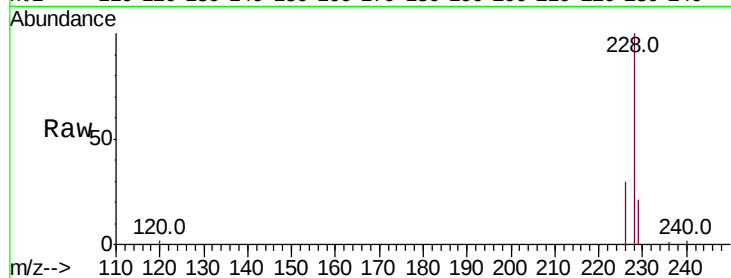
Tot Ion:228 Resp: 11190

Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

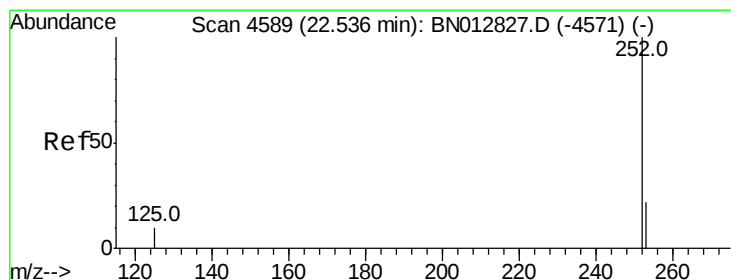
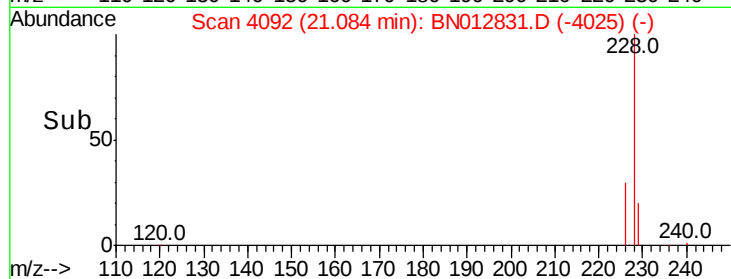
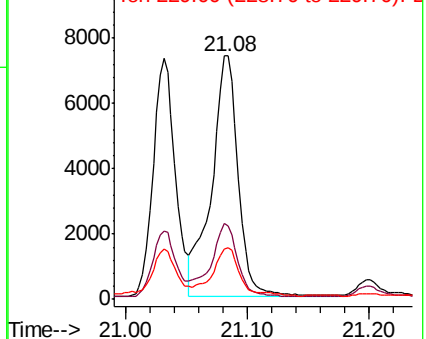
229 21.0 16.1 24.1



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: 0.882 ng/ul

RT: 22.53 min Scan# 4588

Delta R.T. -0.00 min

Lab File: BN012831.D

Acq: 02 Dec 2020 22:33

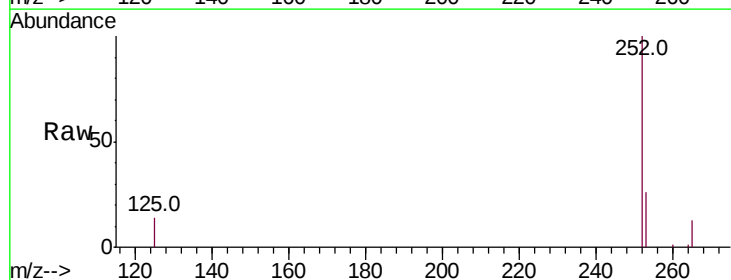
Tgt Ion:252 Resp: 21208

Ion Ratio Lower Upper

252 100

253 25.6 0.0 58.4

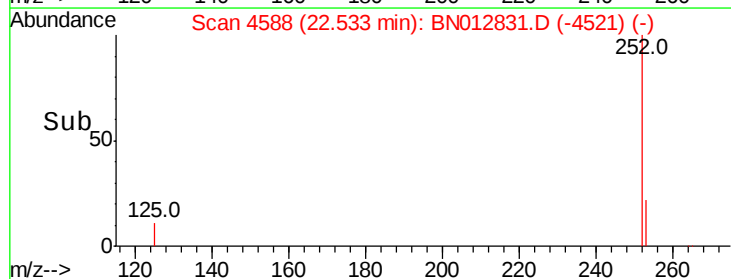
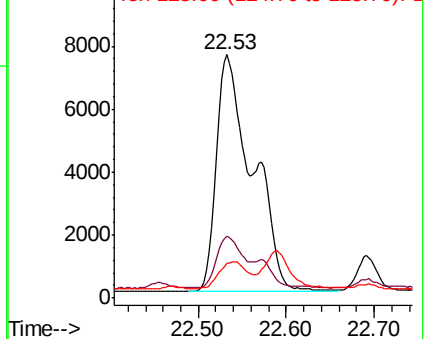
125 14.2 0.0 28.6

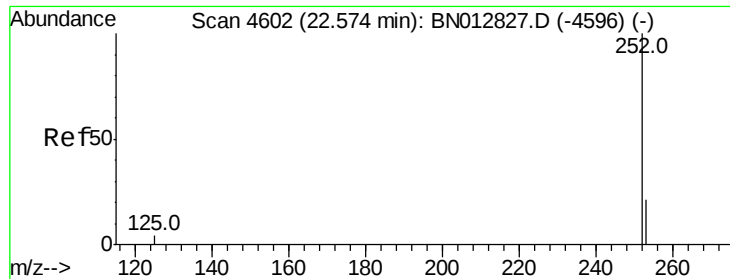


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.765 ng/ul

RT: 22.53 min Scan# 4588

Delta R.T. -0.05 min

Lab File: BN012831.D

Acq: 02 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B23

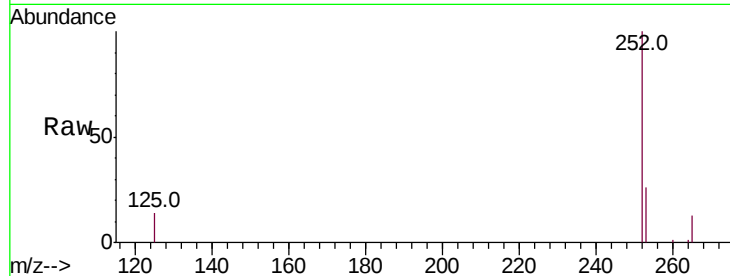
Tot Ion:252 Resp: 21208

Ion Ratio Lower Upper

252 100

253 25.6 23.4 35.2

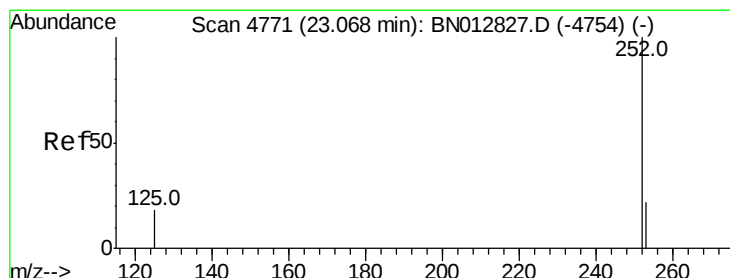
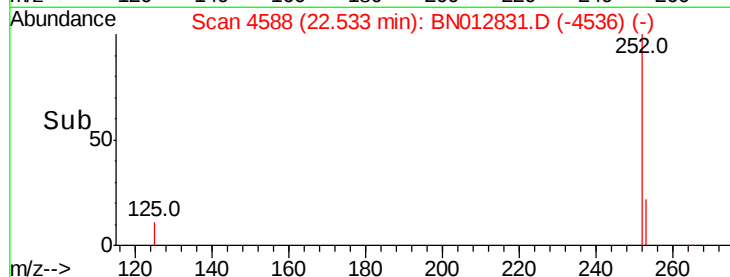
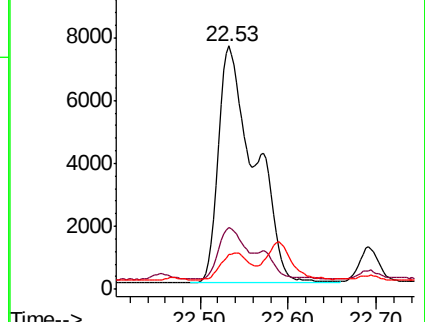
125 14.2 10.2 15.2



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: 0.449 ng/ul

RT: 23.06 min Scan# 4768

Delta R.T. -0.01 min

Lab File: BN012831.D

Acq: 02 Dec 2020 22:33

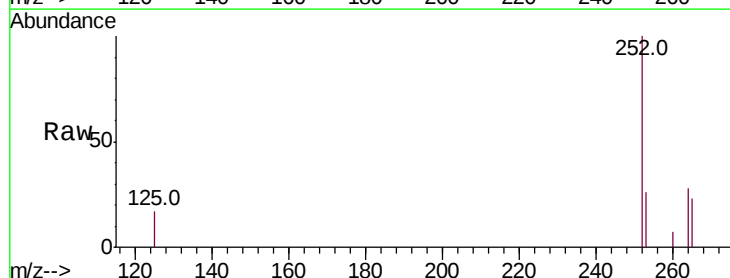
Tgt Ion:252 Resp: 10167

Ion Ratio Lower Upper

252 100

253 26.5 27.6 41.4#

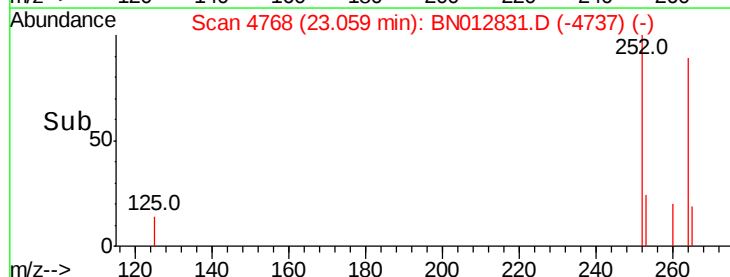
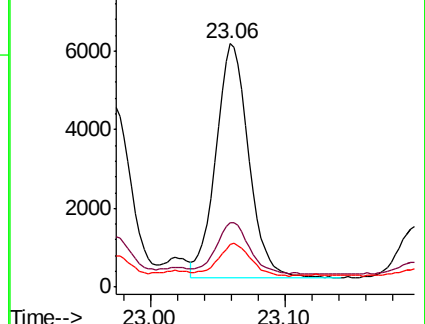
125 17.4 17.0 25.4

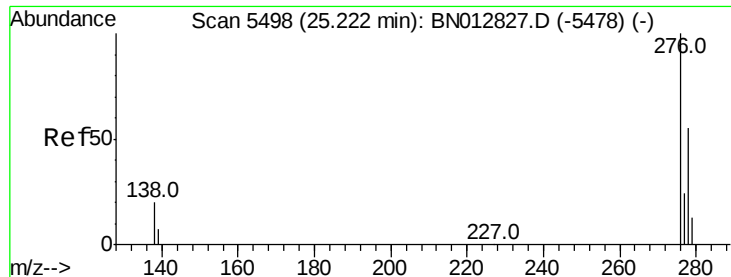


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



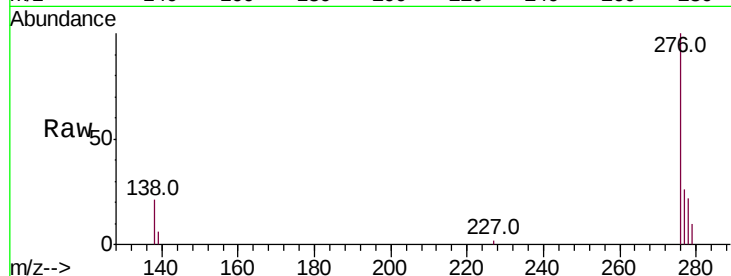


#24

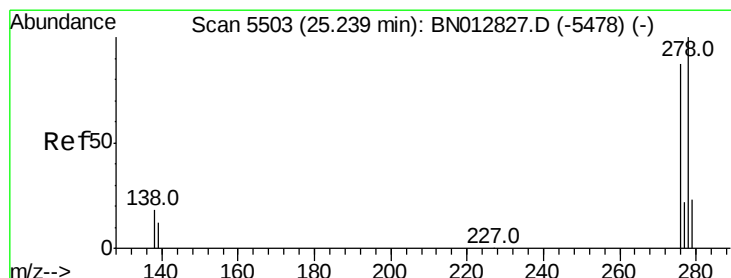
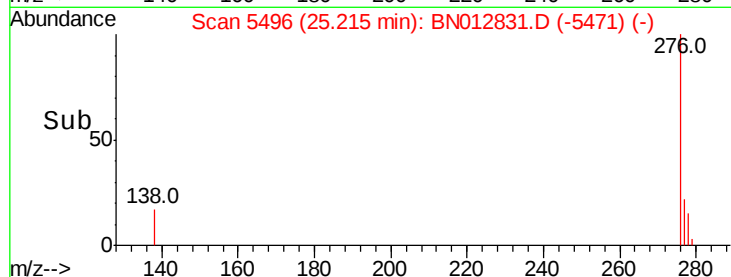
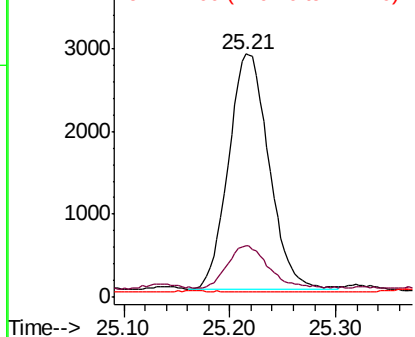
Indeno(1,2,3-cd)pyrene
Concen: 0.254 ng/u1
RT: 25.21 min Scan# 5496
Delta R.T. -0.02 min
Lab File: BN012831.D
Acq: 02 Dec 2020 22:33

Instrument :
BNA_N
ClientSampleId :
C0B23

Tot Ion:276 Resp: 7521
Ion Ratio Lower Upper
276 100
138 18.7 16.5 24.7
227 0.0 0.1 0.1#



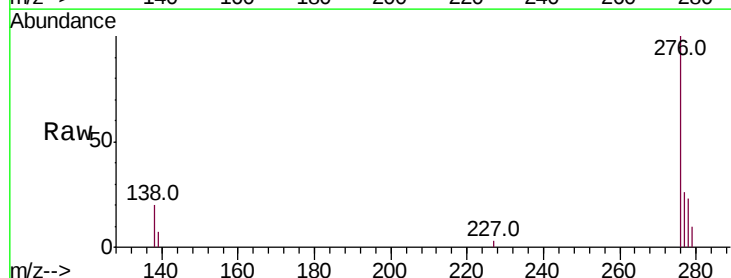
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



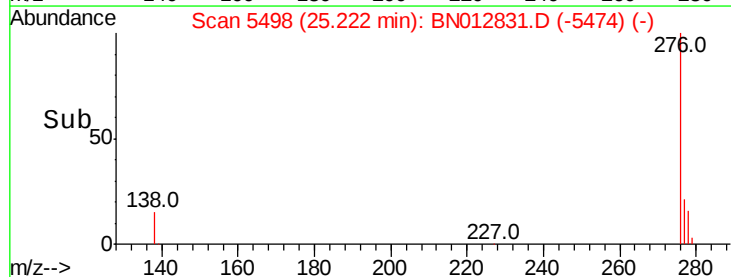
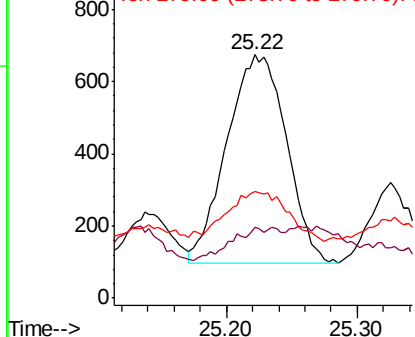
#25

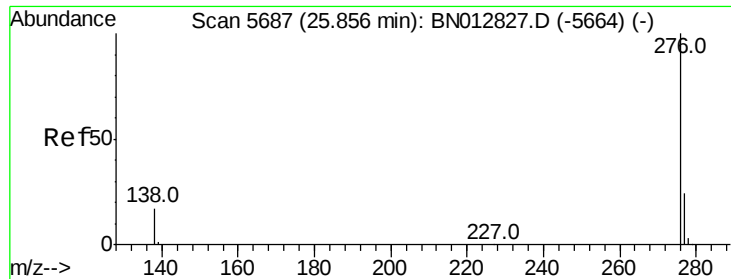
Dibenzo(a,h)anthracene
Concen: 0.077 ng/u1
RT: 25.22 min Scan# 5498
Delta R.T. -0.02 min
Lab File: BN012831.D
Acq: 02 Dec 2020 22:33

Tgt Ion:278 Resp: 1830
Ion Ratio Lower Upper
278 100
139 29.1 13.8 20.8#
279 44.1 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(a,h,i)perylene

Concen: 0.254 ng/ul

RT: 25.85 min Scan# 5685

Delta R.T. -0.01 min

Lab File: BN012831.D

Acq: 02 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B23

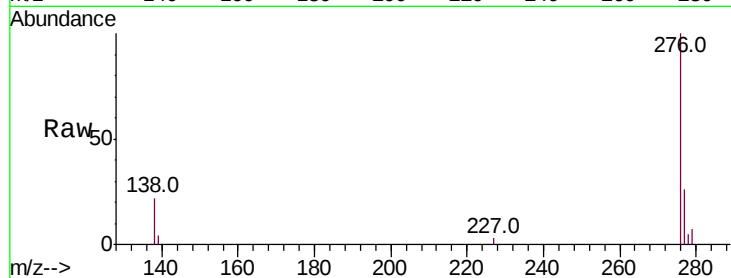
Tot Ion:276 Resp: 6753

Ion Ratio Lower Upper

276 100

138 22.3 16.3 24.5

277 26.0 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

