

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120620\
 Data File : BN012921.D
 Acq On : 06 Dec 2020 17:17
 Operator : CG/JU
 Sample : L4864-14
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B72

Quant Time: Dec 07 03:09:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 03:06:53 2020
 Response via : Initial Calibration

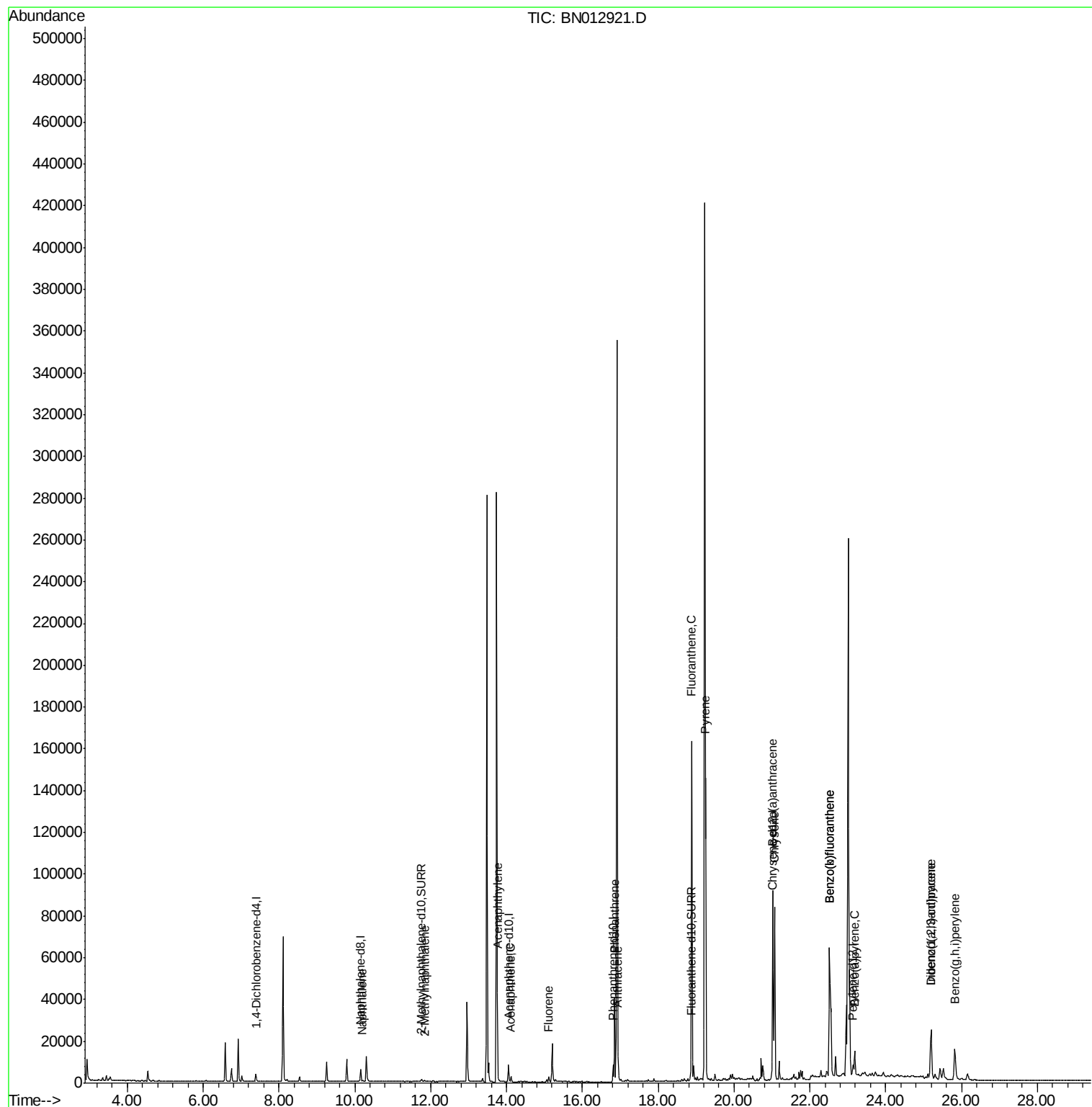
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1824	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	7537	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.06	164	4338	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	9127	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	7155	0.40	ng/ul	0.00
20) Perylene-d12	23.14	264	5826	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	1760	0.16	ng/ul	-0.02
14) Fluoranthene-d10	18.86	212	3926	0.16	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.20	128	950	0.044	ng/ul#	94
5) 2-Methylnaphthalene	11.84	142	467	0.033	ng/ul	98
7) Acenaphthylene	13.77	152	1356	0.066	ng/ul#	95
8) Acenaphthene	14.12	153	1385	0.082	ng/ul	99
9) Fluorene	15.12	166	1479	0.077	ng/ul	99
12) Phenanthrene	16.85	178	40613	1.327	ng/ul	97
13) Anthracene	16.95	178	7894	0.303	ng/ul	96
15) Fluoranthene	18.88	202	137536	3.782	ng/ul	99
17) Pyrene	19.26	202	117383	3.473	ng/ul	100
18) Benzo(a)anthracene	21.02	228	71414	2.412	ng/ul	98
19) Chrysene	21.07	228	76941	2.352	ng/ul	98
21) Benzo(b)fluoranthene	22.52	252	128149	4.755	ng/ul	90
22) Benzo(k)fluoranthene	22.52	252	128149	4.302	ng/ul#	90
23) Benzo(a)pyrene	23.18	252	8148	0.326	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.19	276	34376	1.046	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.20	278	9696	0.373	ng/ul#	96
26) Benzo(a,h,i)perylene	25.82	276	29235	0.984	ng/ul	97

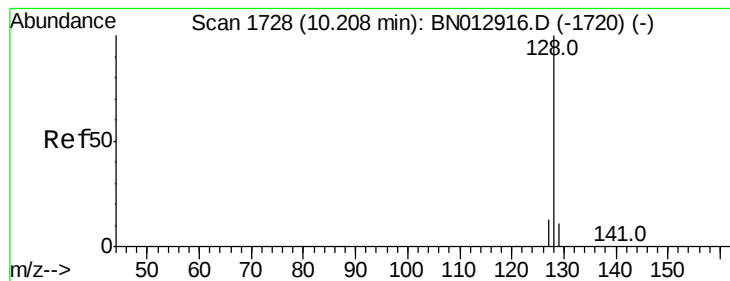
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.044 ng/ul

RT: 10.20 min Scan# 1727

Delta R.T. -0.01 min

Lab File: BN012921.D

Acq: 06 Dec 2020 17:17

Instrument :

BNA_N

ClientSampleId :

C0B72

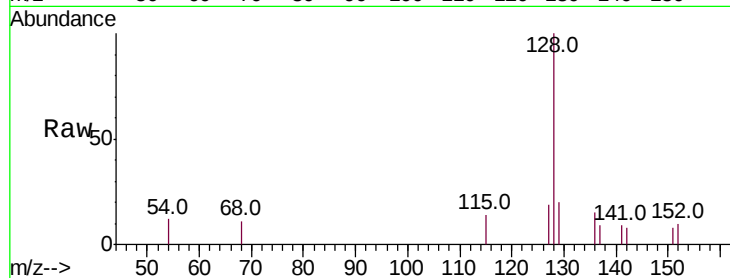
Tot Ion:128 Resp: 950

Ion Ratio Lower Upper

128 100

129 19.7 12.3 18.5#

127 19.1 14.2 21.4



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

10.20

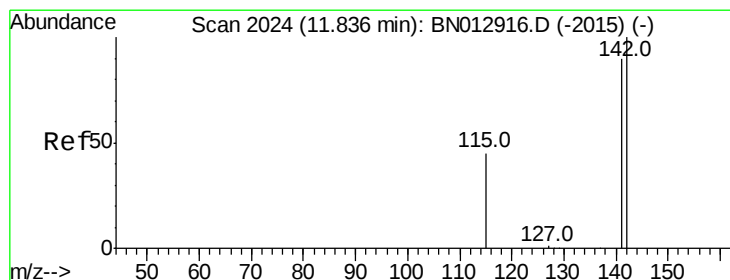
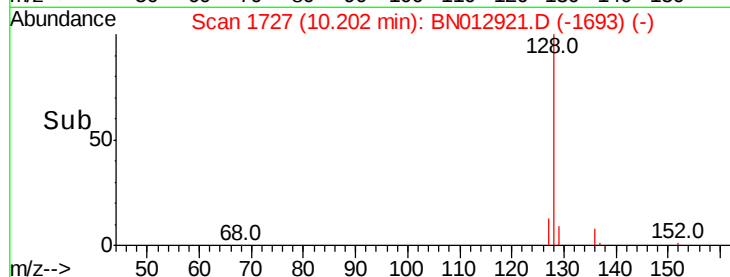
600

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.033 ng/ul

RT: 11.84 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BN012921.D

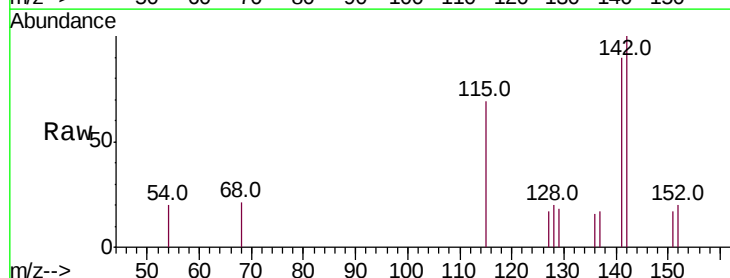
Acq: 06 Dec 2020 17:17

Tgt Ion:142 Resp: 467

Ion Ratio Lower Upper

142 100

141 89.5 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.84

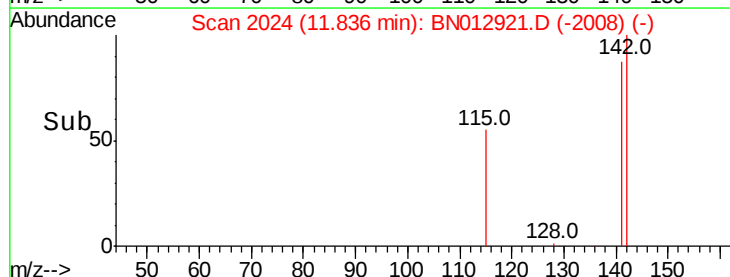
300

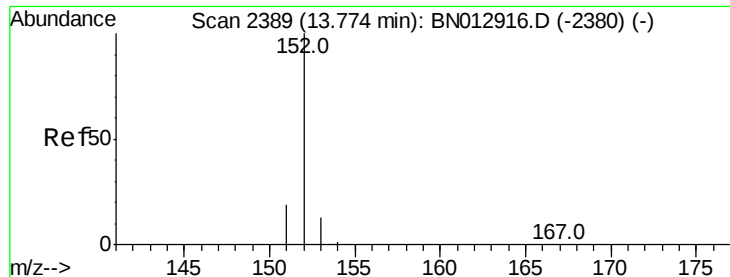
200

100

0

Time-->





#7

Acenaphthylene

Concen: 0.066 ng/ul

RT: 13.77 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BN012921.D

Acq: 06 Dec 2020 17:17

Instrument :

BNA_N

ClientSampleId :

C0B72

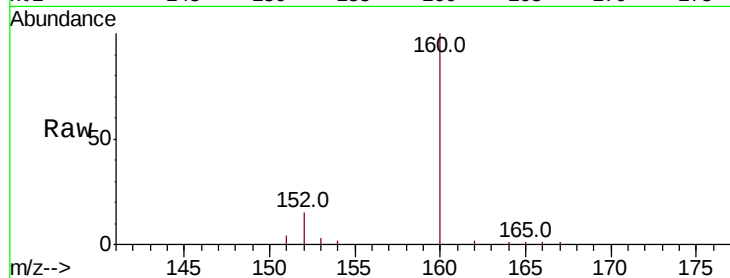
Tot Ion:152 Resp: 1356

Ion Ratio Lower Upper

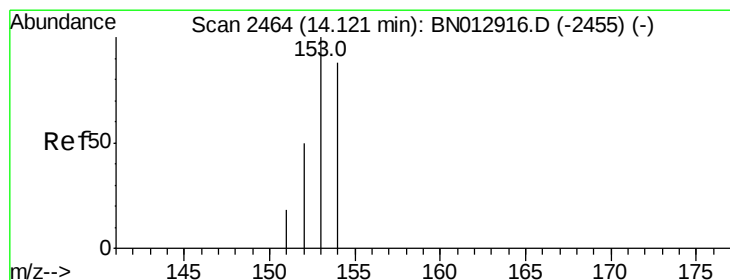
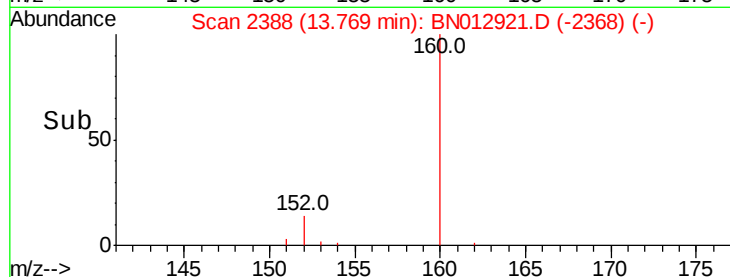
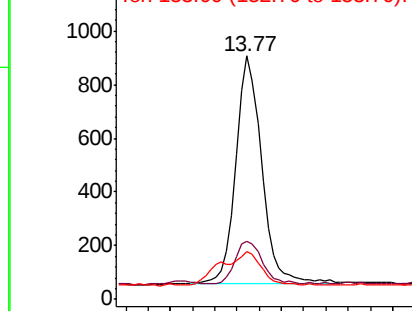
152 100

151 23.9 18.2 27.4

153 19.7 13.1 19.7#



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: 0.082 ng/ul

RT: 14.12 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BN012921.D

Acq: 06 Dec 2020 17:17

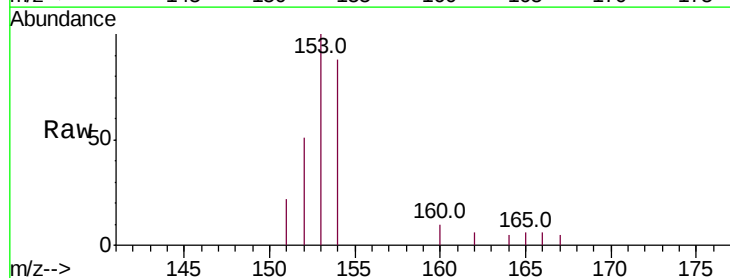
Tgt Ion:153 Resp: 1385

Ion Ratio Lower Upper

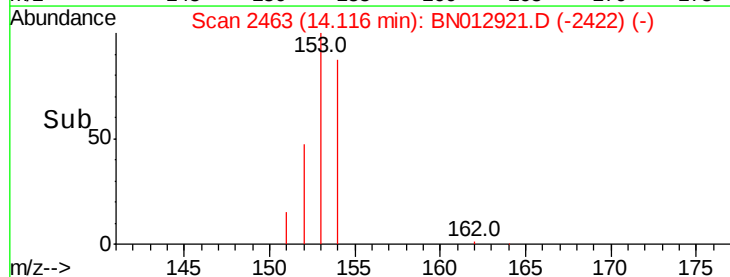
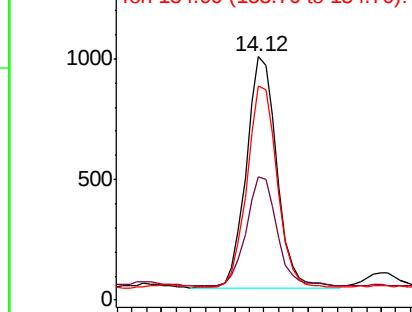
153 100

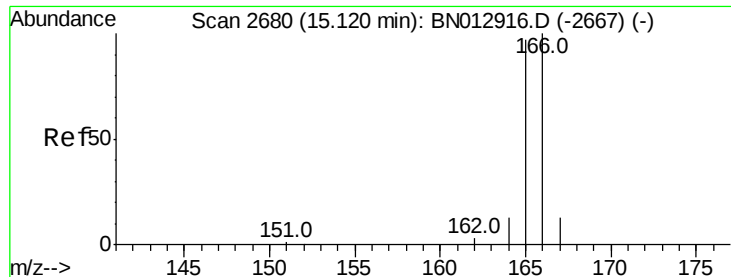
152 50.5 40.7 61.1

154 87.9 70.8 106.2



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: 0.077 ng/ul

RT: 15.12 min Scan# 2679

Delta R.T. -0.01 min

Lab File: BN012921.D

Acq: 06 Dec 2020 17:17

Instrument :

BNA_N

ClientSampleId :

C0B72

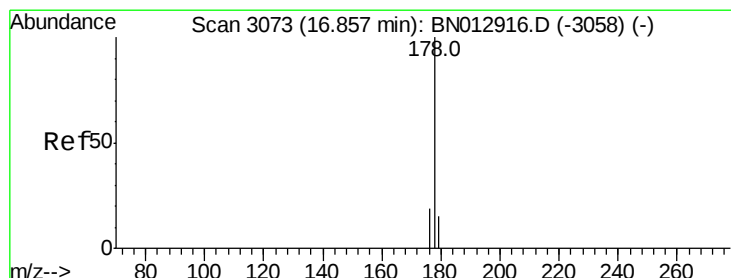
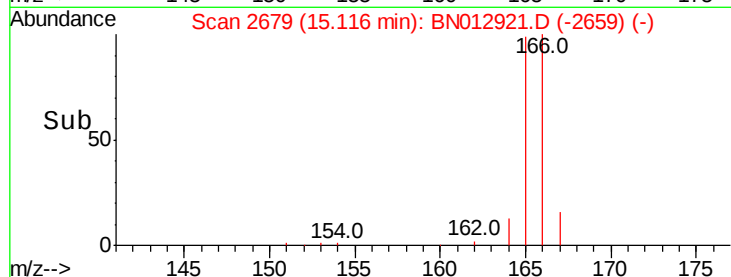
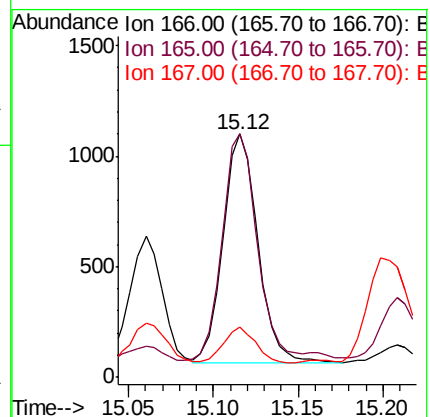
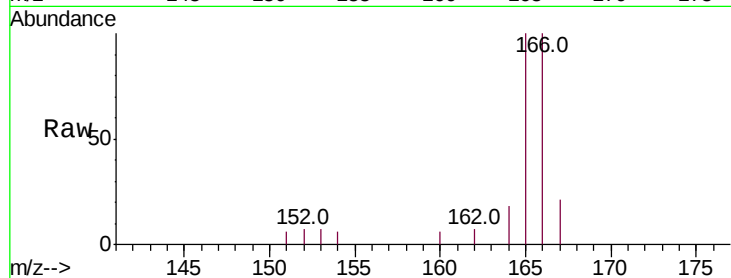
Tot Ion:166 Resp: 1479

Ion Ratio Lower Upper

166 100

165 100.2 79.8 119.8

167 20.7 13.8 20.8



#12

Phenanthrene

Concen: 1.327 ng/ul

RT: 16.85 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BN012921.D

Acq: 06 Dec 2020 17:17

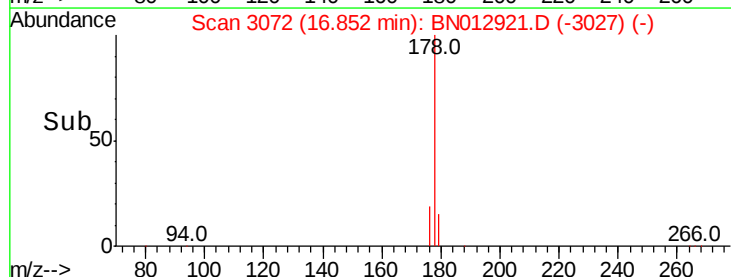
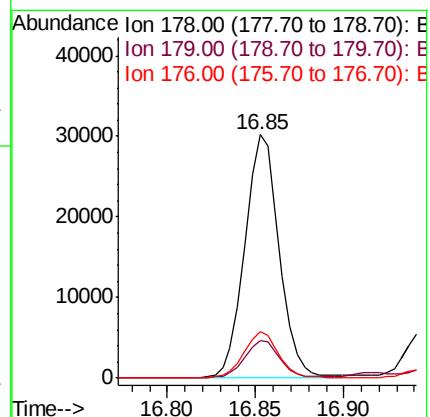
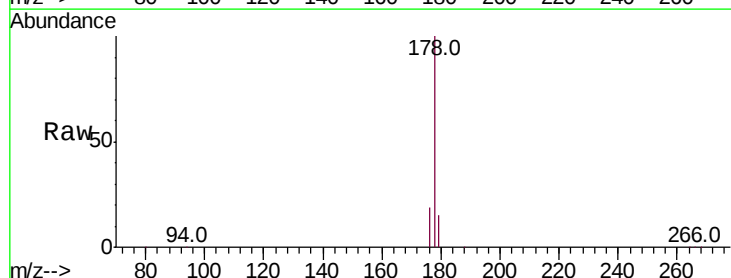
Tgt Ion:178 Resp: 40613

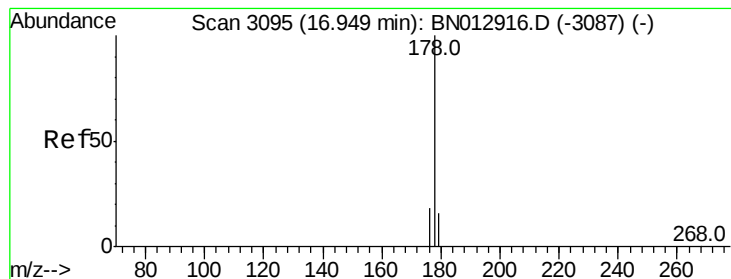
Ion Ratio Lower Upper

178 100

179 15.2 13.6 20.4

176 19.3 16.4 24.6





#13

Anthracene

Concen: 0.303 ng/ul

RT: 16.95 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BN012921.D

Acq: 06 Dec 2020 17:17

Instrument :

BNA_N

ClientSampleId :

C0B72

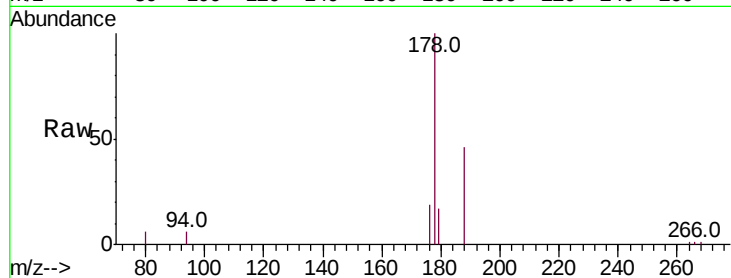
Tot Ion:178 Resp: 7894

Ion Ratio Lower Upper

178 100

179 16.9 14.6 21.8

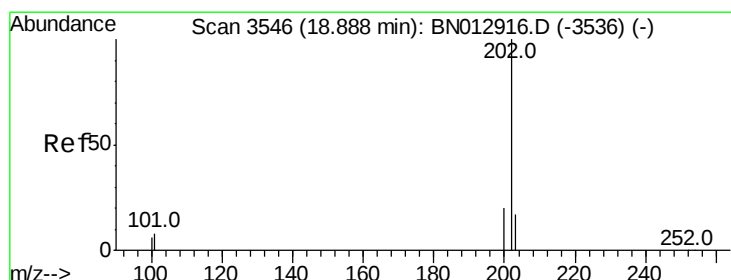
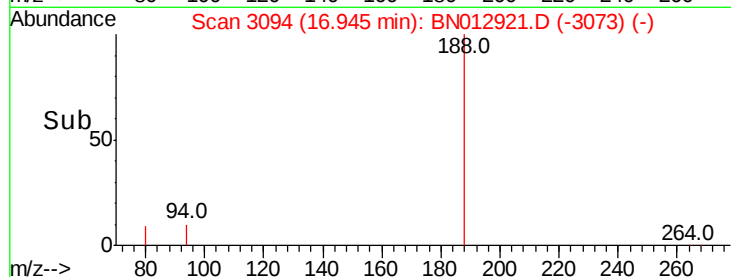
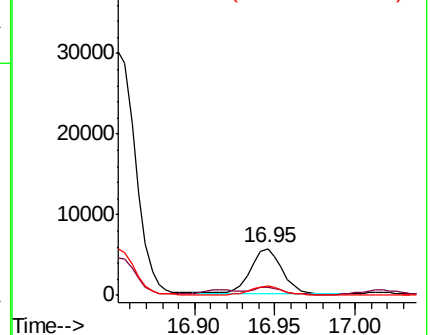
176 19.1 17.1 25.7



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: 3.782 ng/ul

RT: 18.88 min Scan# 3545

Delta R.T. -0.01 min

Lab File: BN012921.D

Acq: 06 Dec 2020 17:17

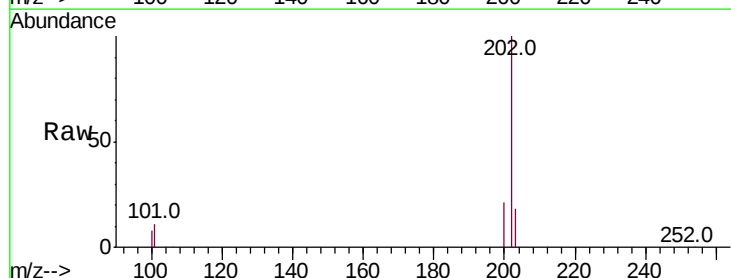
Tgt Ion:202 Resp: 137536

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.6

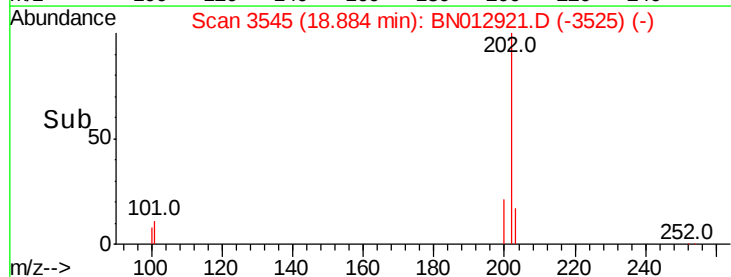
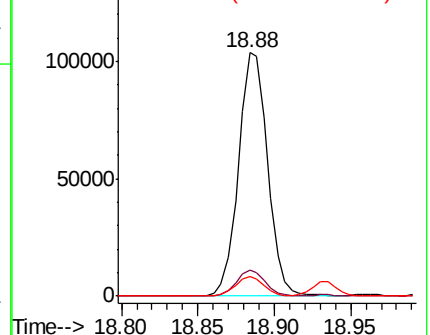
100 8.3 0.0 28.7

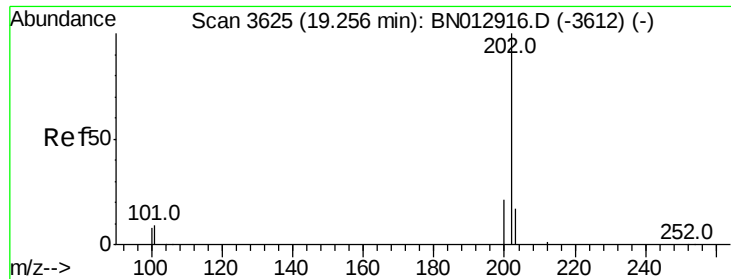


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 3.473 ng/ul

RT: 19.26 min Scan# 3625

Delta R.T. -0.00 min

Lab File: BN012921.D

Acq: 06 Dec 2020 17:17

Instrument :

BNA_N

ClientSampleId :

C0B72

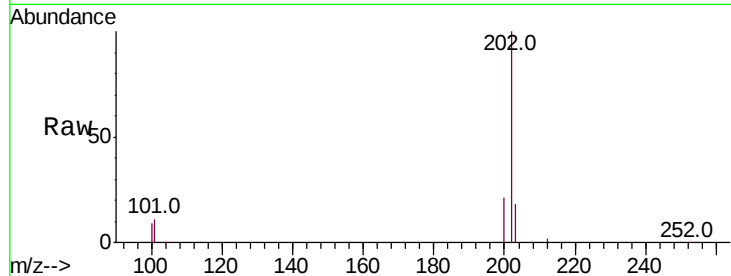
Tot Ion:202 Resp: 117383

Ion Ratio Lower Upper

202 100

101 11.3 9.1 13.7

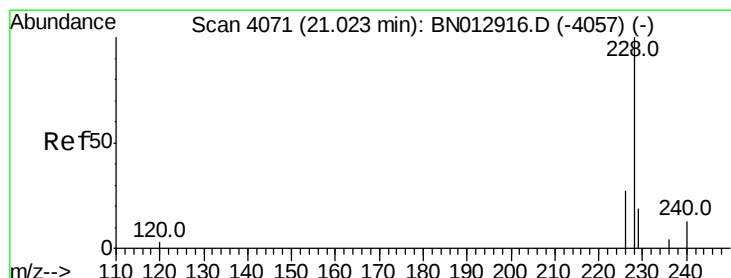
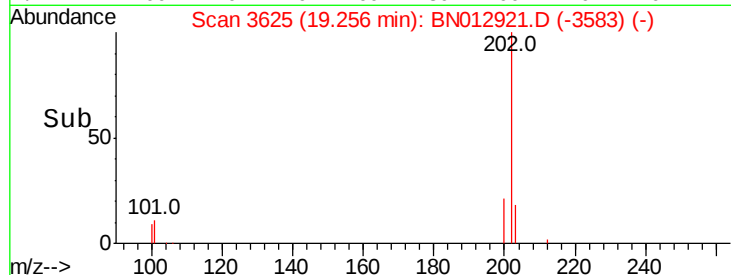
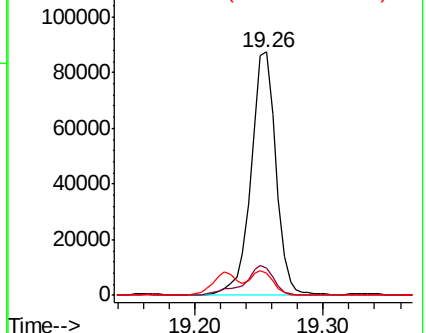
100 9.2 7.5 11.3



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: 2.412 ng/ul

RT: 21.02 min Scan# 4070

Delta R.T. -0.00 min

Lab File: BN012921.D

Acq: 06 Dec 2020 17:17

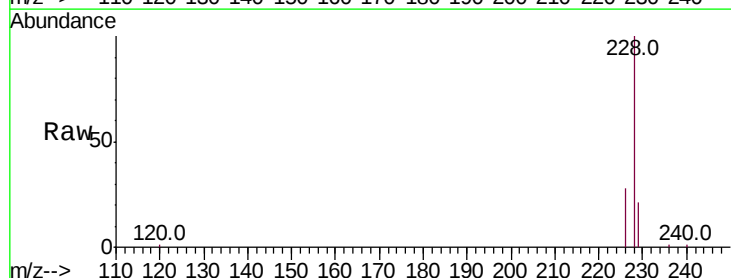
Tgt Ion:228 Resp: 71414

Ion Ratio Lower Upper

228 100

229 20.6 16.3 24.5

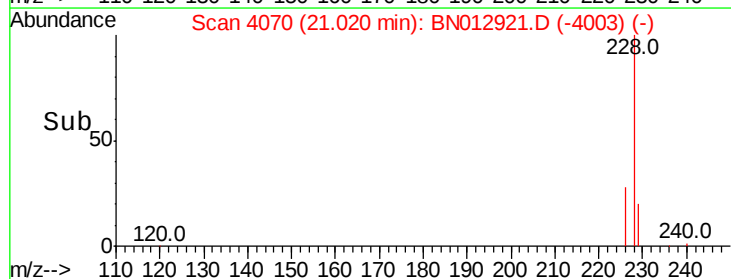
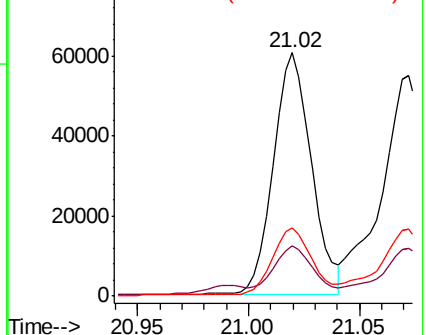
226 28.0 23.4 35.2

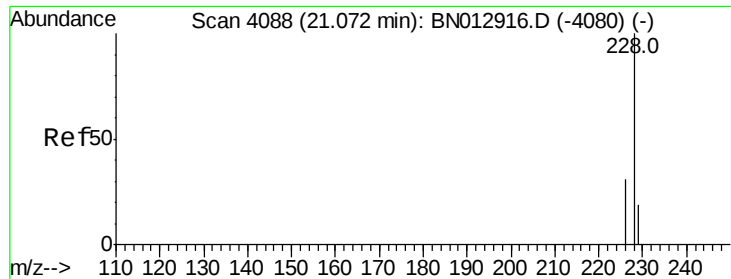


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.352 ng/ul

RT: 21.07 min Scan# 4088

Delta R.T. -0.00 min

Lab File: BN012921.D

Acq: 06 Dec 2020 17:17

Instrument :

BNA_N

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C0B72

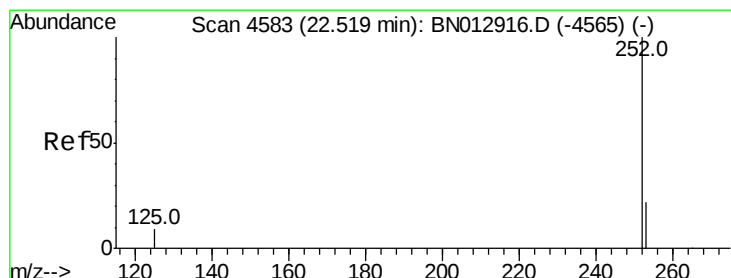
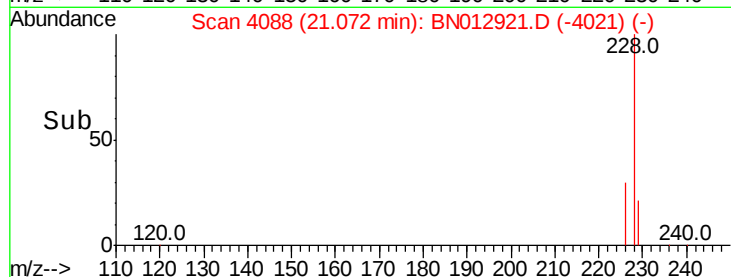
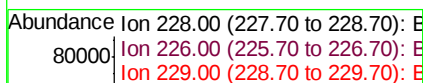
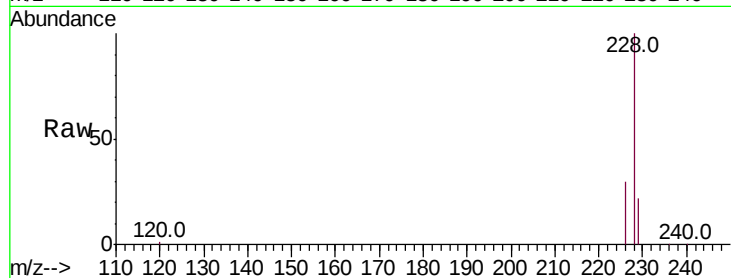
Tot Ion:228 Resp: 76941

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

229 21.8 16.4 24.6



#21

Benzo(b)fluoranthene

Concen: 4.755 ng/ul

RT: 22.52 min Scan# 4583

Delta R.T. -0.00 min

Lab File: BN012921.D

Acq: 06 Dec 2020 17:17

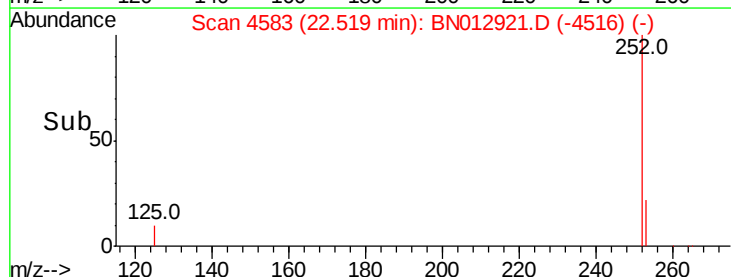
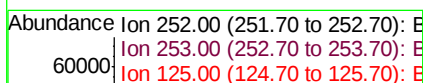
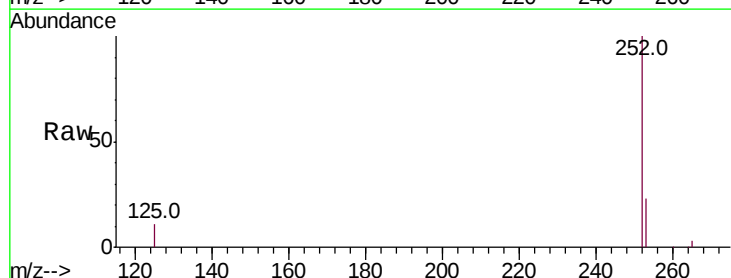
Tgt Ion:252 Resp: 128149

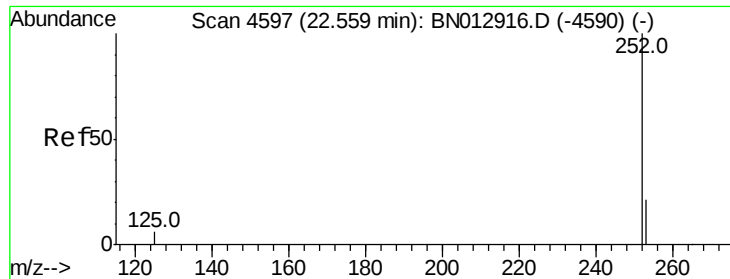
Ion Ratio Lower Upper

252 100

253 23.4 0.0 59.6

125 11.3 0.0 26.0





#22

Benzo(k)fluoranthene

Concen: 4.302 ng/ul

RT: 22.52 min Scan# 4583

Delta R.T. -0.04 min

Lab File: BN012921.D

Acq: 06 Dec 2020 17:17

Instrument :

BNA_N

ClientSampleId :

C0B72

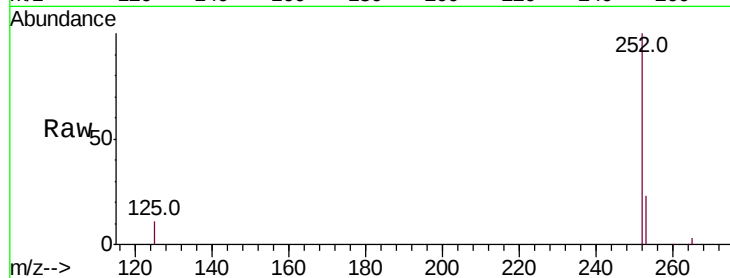
Tot Ion:252 Resp: 128149

Ion Ratio Lower Upper

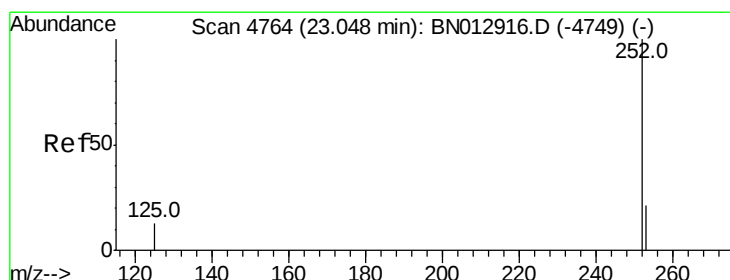
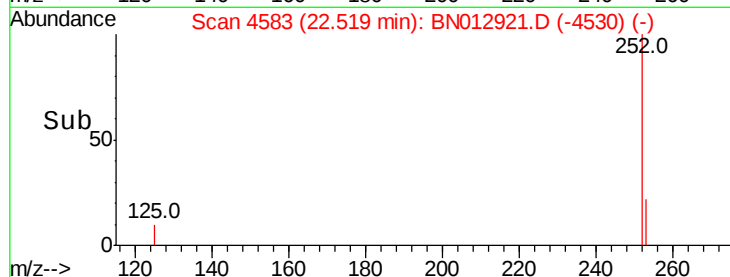
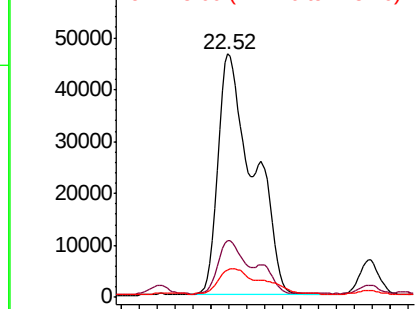
252 100

253 23.4 23.4 35.2#

125 11.3 11.1 16.7



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: 0.326 ng/ul

RT: 23.18 min Scan# 4809

Delta R.T. 0.13 min

Lab File: BN012921.D

Acq: 06 Dec 2020 17:17

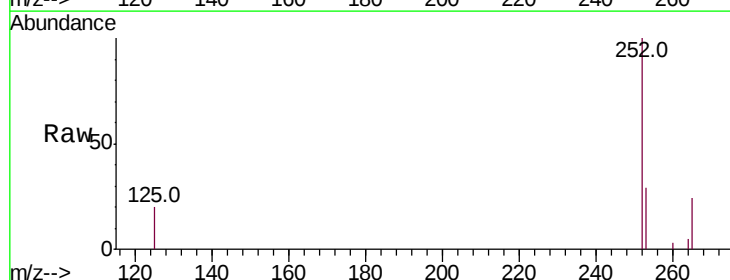
Tgt Ion:252 Resp: 8148

Ion Ratio Lower Upper

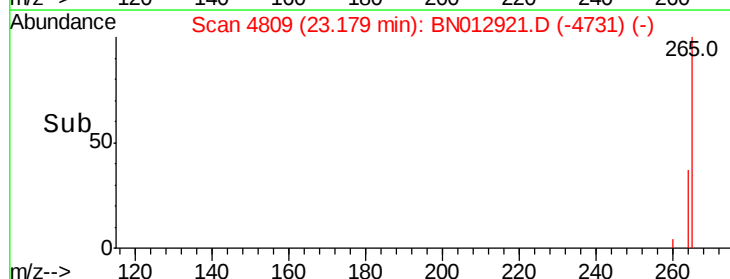
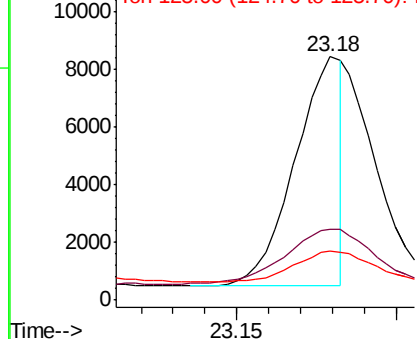
252 100

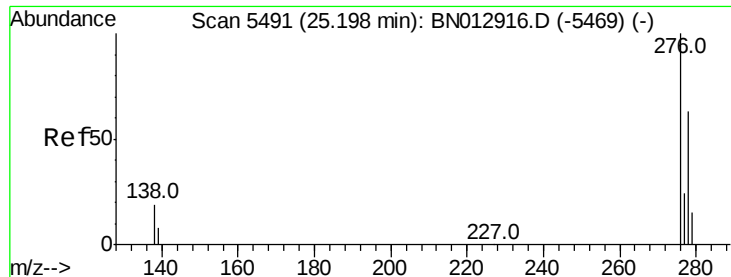
253 29.0 26.5 39.7

125 19.9 14.2 21.2



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



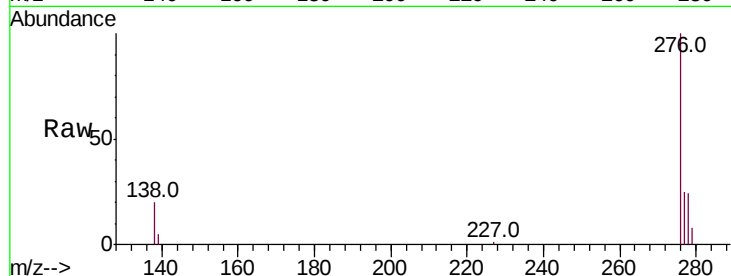


#24

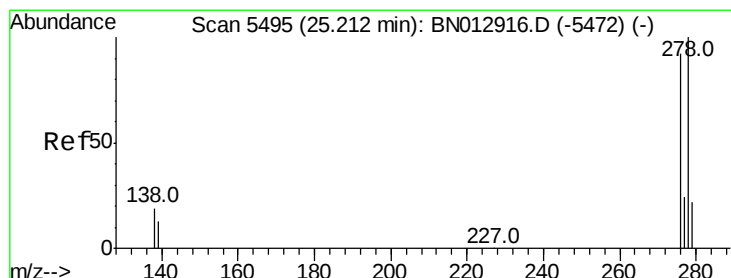
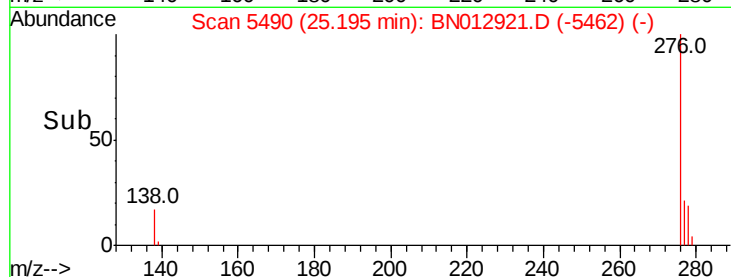
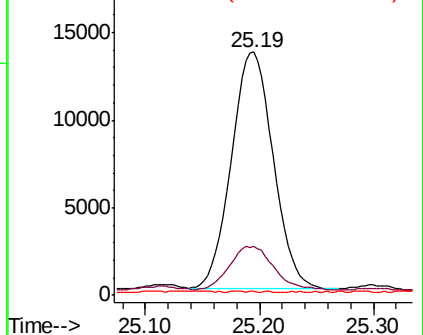
Indeno(1,2,3-cd)pyrene
Concen: 1.046 ng/ul
RT: 25.19 min Scan# 5490
Delta R.T. -0.01 min
Lab File: BN012921.D
Acq: 06 Dec 2020 17:17

Instrument :
BNA_N
ClientSampleId :
C0B72

Tot Ion:276 Resp: 34376
Ion Ratio Lower Upper
276 100
138 19.0 16.2 24.2
227 0.0 0.0 0.0



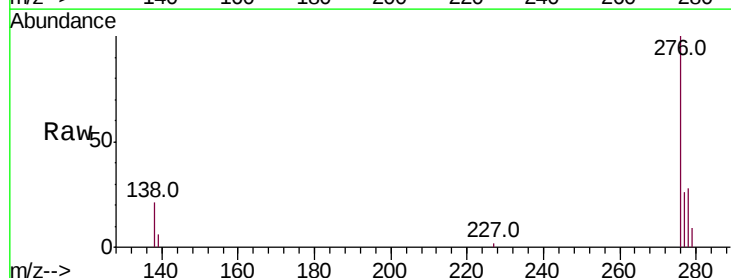
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



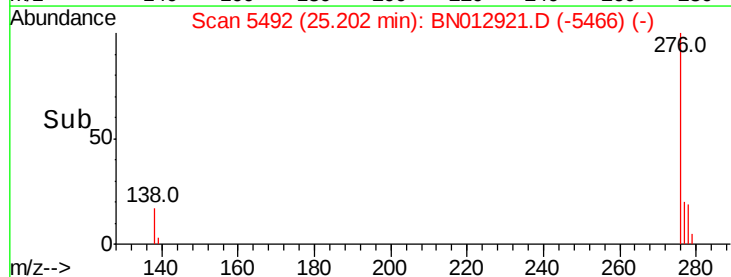
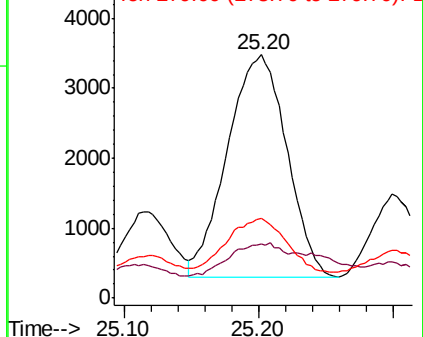
#25

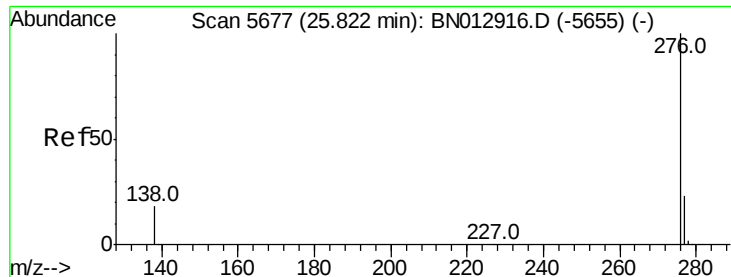
Dibenzo(a,h)anthracene
Concen: 0.373 ng/ul
RT: 25.20 min Scan# 5492
Delta R.T. -0.01 min
Lab File: BN012921.D
Acq: 06 Dec 2020 17:17

Tgt Ion:278 Resp: 9696
Ion Ratio Lower Upper
278 100
139 22.4 14.5 21.7#
279 32.8 26.3 39.5



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: 0.984 ng/ul

RT: 25.82 min Scan# 5677

Delta R.T. -0.01 min

Lab File: BN012921.D

Acq: 06 Dec 2020 17:17

Instrument :

BNA_N

ClientSampleId :

C0B72

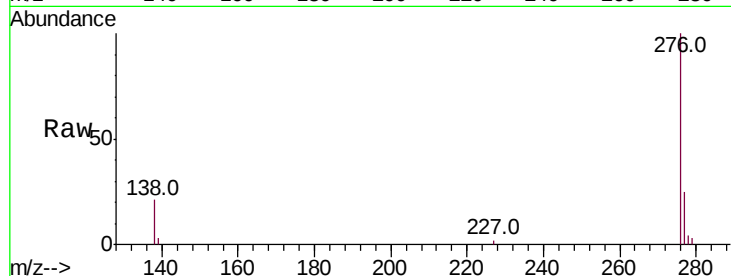
Tot Ion:276 Resp: 29235

Ion Ratio Lower Upper

276 100

138 20.7 16.3 24.5

277 24.9 21.8 32.6



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

