

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN012952.D
 Acq On : 07 Dec 2020 22:55
 Operator : CG/JU
 Sample : L4859-07DL 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BD0DL

Quant Time: Dec 08 00:17:22 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 : Tue Dec 08 00:15:39 2020
 Response via : Initial Calibration

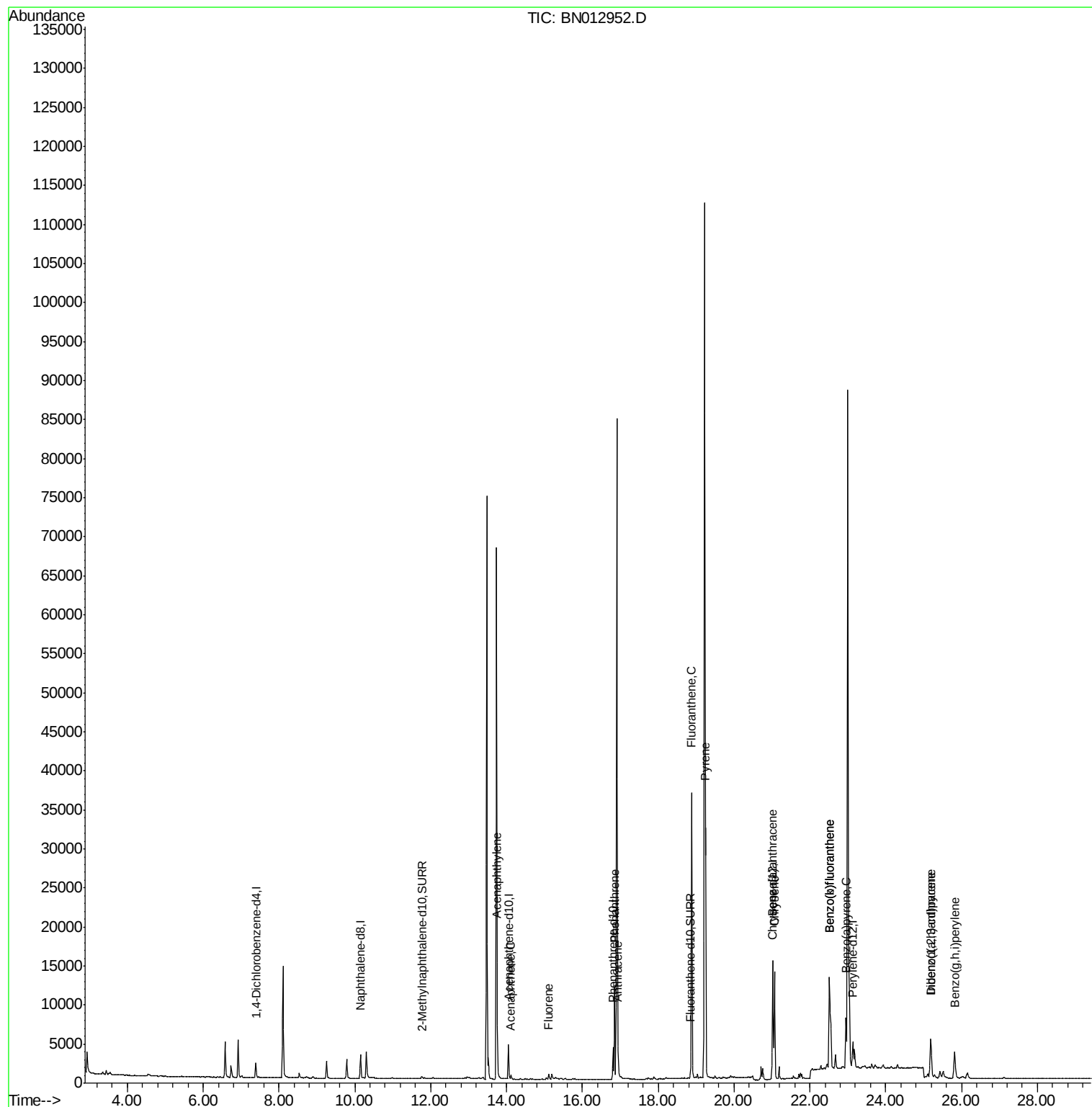
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	975	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	4074	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	2304	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	4720	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	3896	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	3901	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	458	0.08	ng/ul	0.00
14) Fluoranthene-d10	18.85	212	1016	0.08	ng/ul	0.00
Target Compounds				Ovalue		
7) Acenaphthylene	13.76	152	950	0.087	ng/ul#	92
8) Acenaphthene	14.12	153	295	0.033	ng/ul	95
9) Fluorene	15.12	166	444	0.043	ng/ul#	96
12) Phenanthrene	16.85	178	12216	0.772	ng/ul	97
13) Anthracene	16.95	178	1818	0.135	ng/ul	97
15) Fluoranthene	18.88	202	31191	1.659	ng/ul	98
17) Pyrene	19.25	202	26979	1.466	ng/ul	100
18) Benzo(a)anthracene	21.02	228	12032	0.746	ng/ul	99
19) Chrysene	21.07	228	13192	0.741	ng/ul	99
21) Benzo(b)fluoranthene	22.52	252	24802	1.374	ng/ul	93
22) Benzo(k)fluoranthene	22.52	252	24804	1.243	ng/ul	93
23) Benzo(a)pyrene	22.95	252	5110	0.305	ng/ul	91
24) Indeno(1,2,3-cd)pyrene	25.19	276	7734	0.352	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.20	278	1775	0.102	ng/ul#	80
26) Benzo(g,h,i)perylene	25.82	276	6702	0.337	ng/ul	98

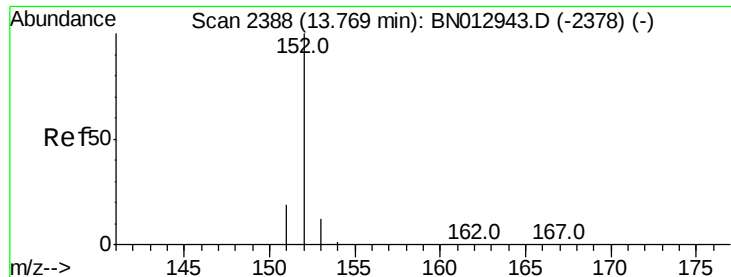
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.087 ng/ul

RT: 13.76 min Scan# 2387

Delta R.T. -0.00 min

Lab File: BN012952.D

Acq: 07 Dec 2020 22:55

Instrument :

BNA_N

ClientSampleId :

C0BD0DL

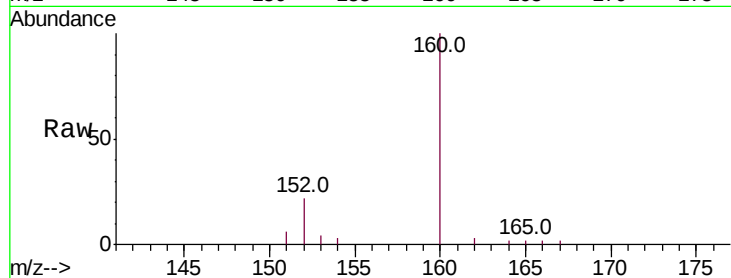
Tot Ion:152 Resp: 950

Ion Ratio Lower Upper

152 100

151 26.5 18.2 27.4

153 20.0 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

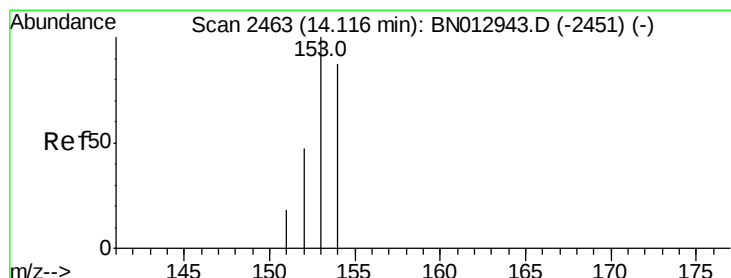
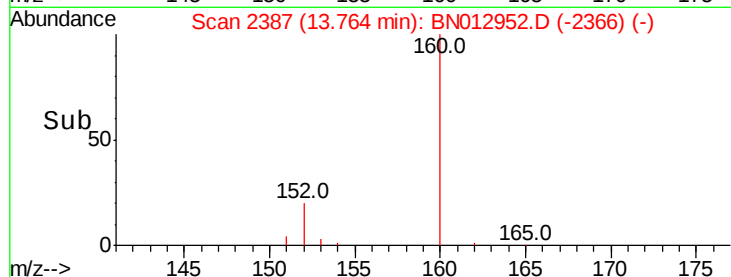
13.76

400

200

0

Time-->



#8

Acenaphthene

Concen: 0.033 ng/ul

RT: 14.12 min Scan# 2463

Delta R.T. -0.00 min

Lab File: BN012952.D

Acq: 07 Dec 2020 22:55

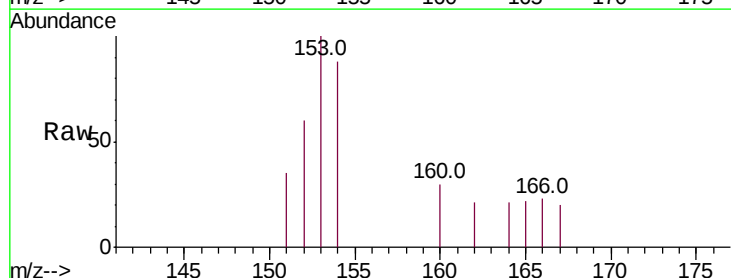
Tgt Ion:153 Resp: 295

Ion Ratio Lower Upper

153 100

152 59.7 40.7 61.1

154 88.1 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

14.12

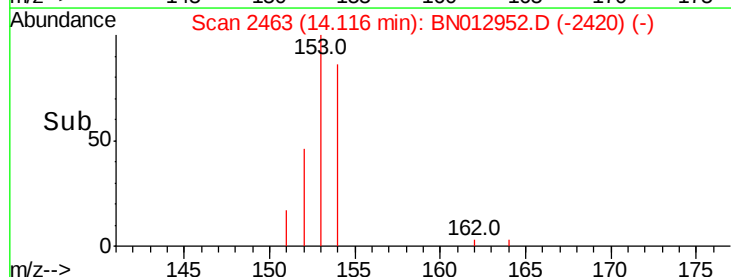
250

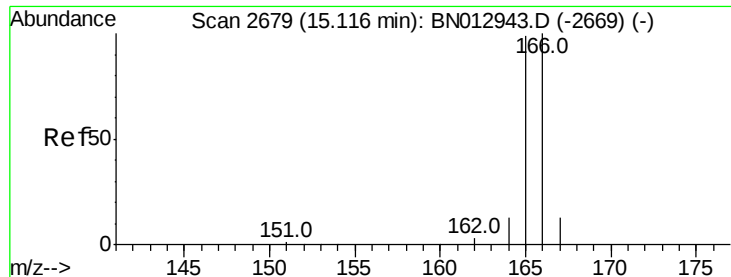
150

100

50

Time-->





#9

Fluorene

Concen: 0.043 ng/ul

RT: 15.12 min Scan# 2679

Delta R.T. -0.00 min

Lab File: BN012952.D

Acq: 07 Dec 2020 22:55

Instrument :

BNA_N

ClientSampleId :

C0BD0DL

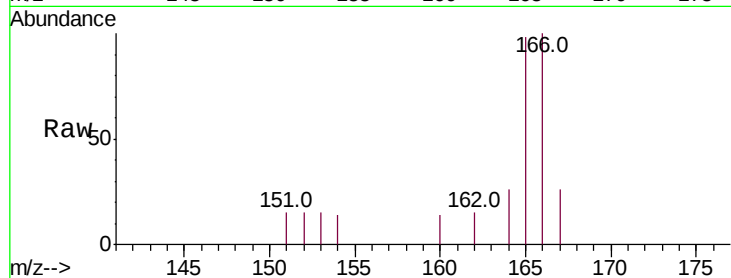
Tot Ion:166 Resp: 444

Ion Ratio Lower Upper

166 100

165 98.0 79.8 119.8

167 26.0 13.8 20.8#



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

15.12

400

300

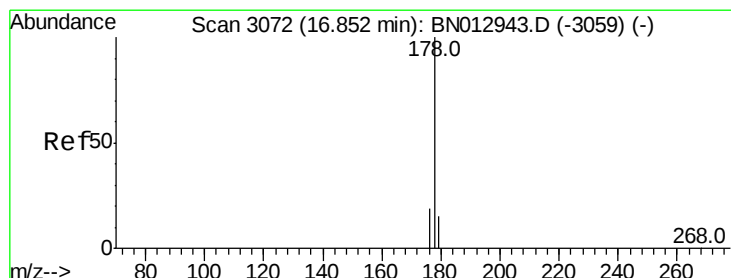
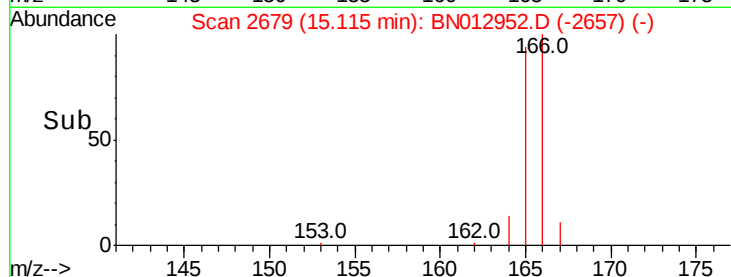
200

100

0

15.05 15.10 15.15 15.20

Time-->



#12

Phenanthrene

Concen: 0.772 ng/ul

RT: 16.85 min Scan# 3072

Delta R.T. -0.00 min

Lab File: BN012952.D

Acq: 07 Dec 2020 22:55

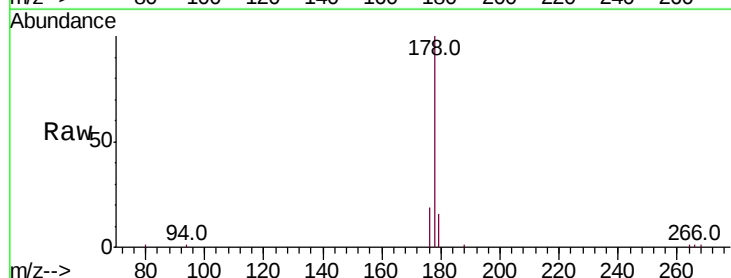
Tgt Ion:178 Resp: 12216

Ion Ratio Lower Upper

178 100

179 15.5 13.6 20.4

176 19.3 16.4 24.6



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

16.85

12000

10000

8000

6000

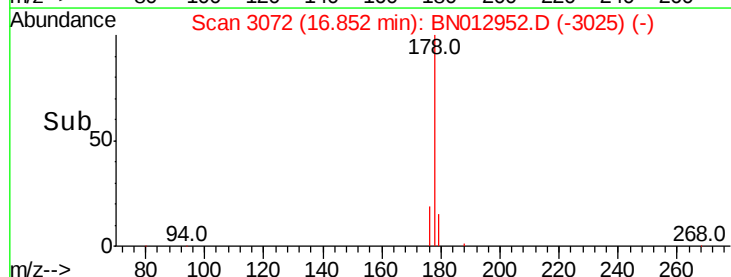
4000

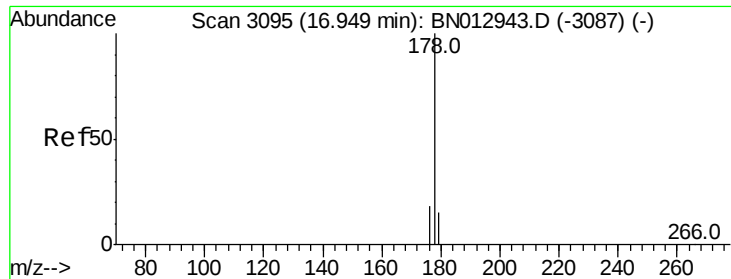
2000

0

16.80 16.90

Time-->





#13

Anthracene

Concen: 0.135 ng/ul

RT: 16.95 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BN012952.D

Acq: 07 Dec 2020 22:55

Instrument :

BNA_N

ClientSampleId :

C0BD0DL

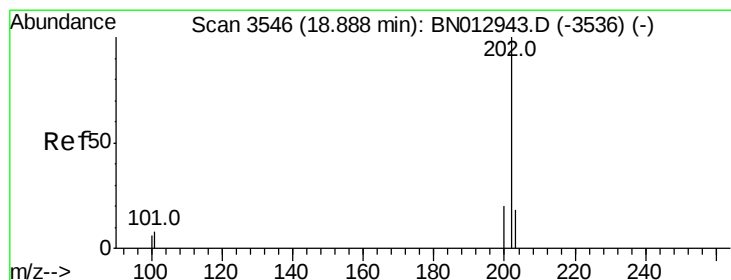
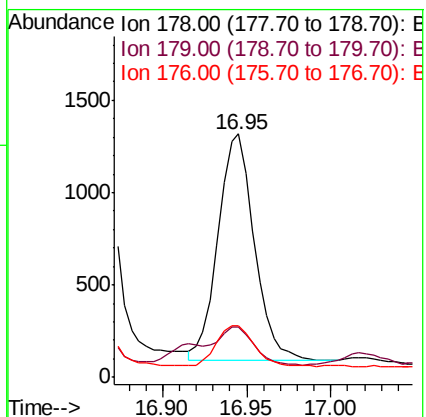
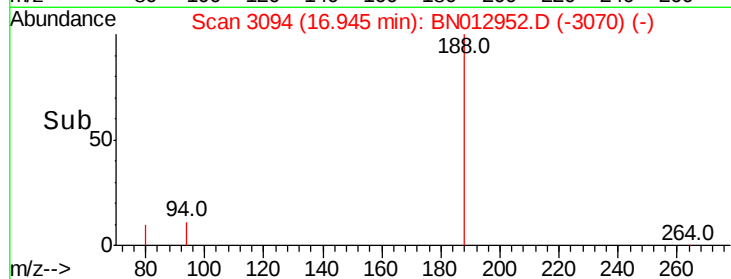
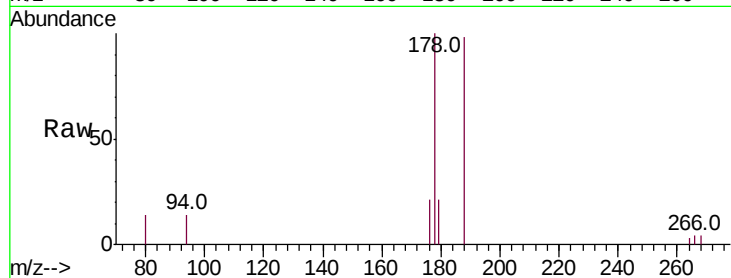
Tot Ion:178 Resp: 1818

Ion Ratio Lower Upper

178 100

179 20.7 14.6 21.8

176 20.9 17.1 25.7



#15

Fluoranthene

Concen: 1.659 ng/ul

RT: 18.88 min Scan# 3545

Delta R.T. -0.00 min

Lab File: BN012952.D

Acq: 07 Dec 2020 22:55

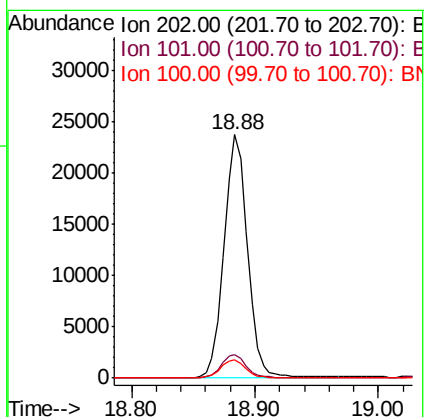
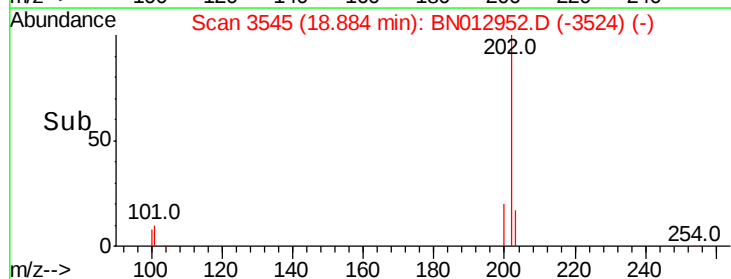
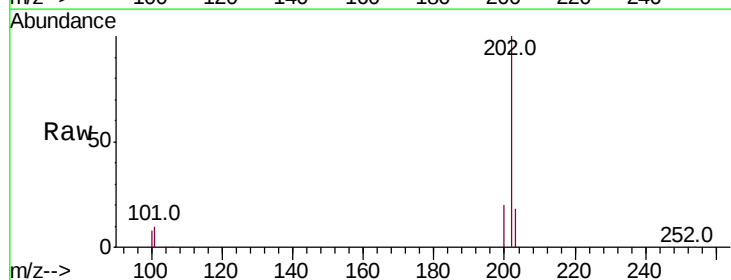
Tgt Ion:202 Resp: 31191

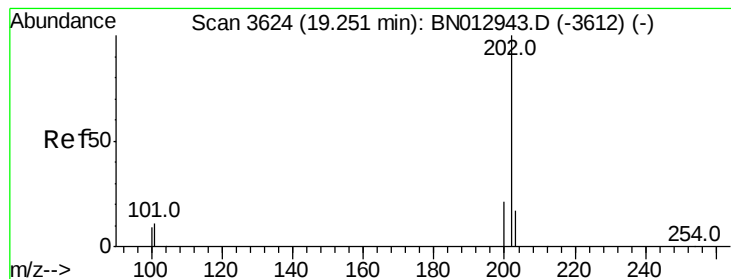
Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.6

100 7.7 0.0 28.7





#17

Pvrene

Concen: 1.466 ng/ul

RT: 19.25 min Scan# 3624

Delta R.T. -0.00 min

Lab File: BN012952.D

Acq: 07 Dec 2020 22:55

Instrument :

BNA_N

ClientSampleId :

C0BD0DL

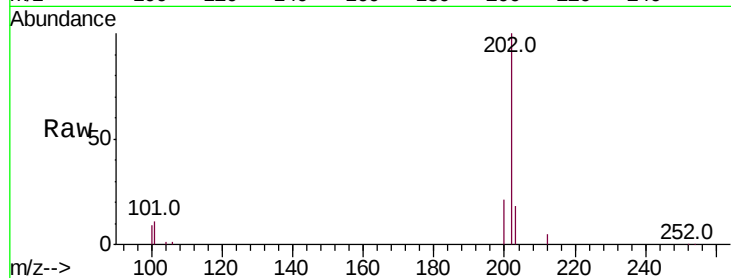
Tot Ion:202 Resp: 26979

Ion Ratio Lower Upper

202 100

101 11.3 9.1 13.7

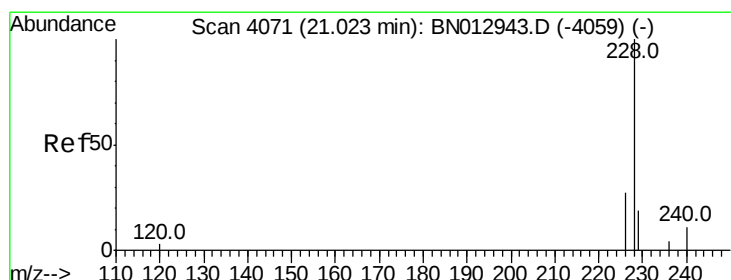
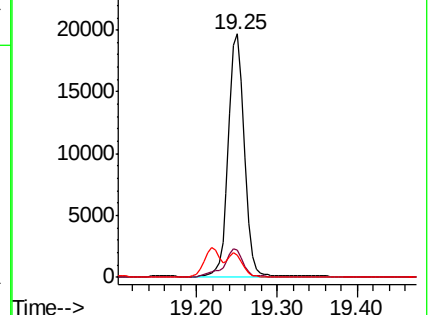
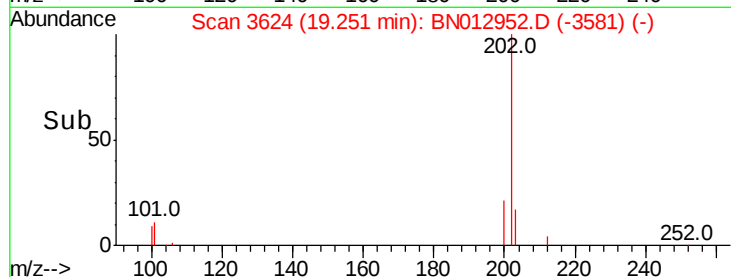
100 9.4 7.5 11.3



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: 0.746 ng/ul

RT: 21.02 min Scan# 4069

Delta R.T. -0.00 min

Lab File: BN012952.D

Acq: 07 Dec 2020 22:55

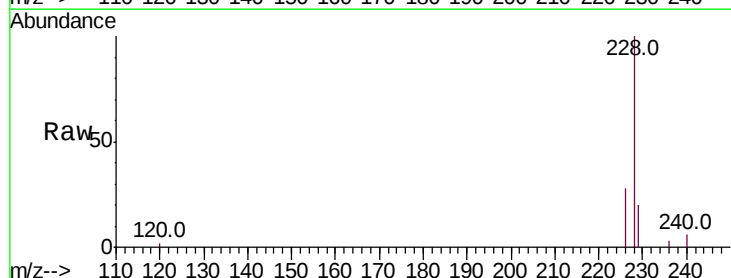
Tgt Ion:228 Resp: 12032

Ion Ratio Lower Upper

228 100

229 20.2 16.3 24.5

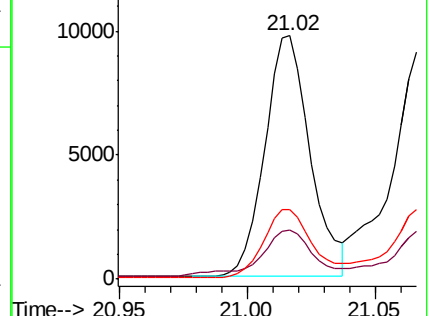
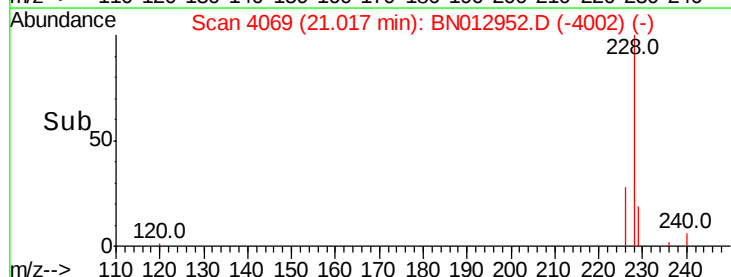
226 28.5 23.4 35.2

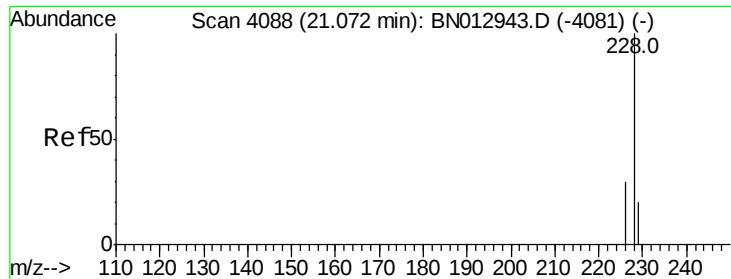


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.741 ng/ul

RT: 21.07 min Scan# 4087

Delta R.T. -0.00 min

Lab File: BN012952.D

Acq: 07 Dec 2020 22:55

Instrument :

BNA_N

ClientSampleId :

C0BD0DL

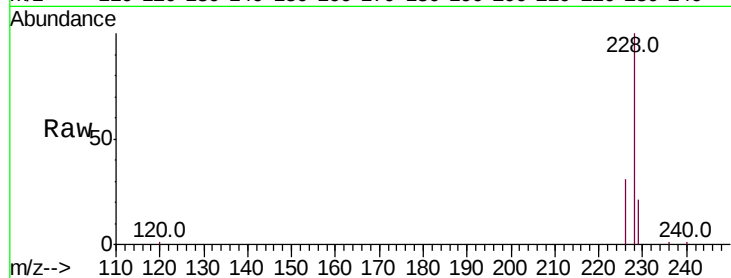
Tot Ion:228 Resp: 13192

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

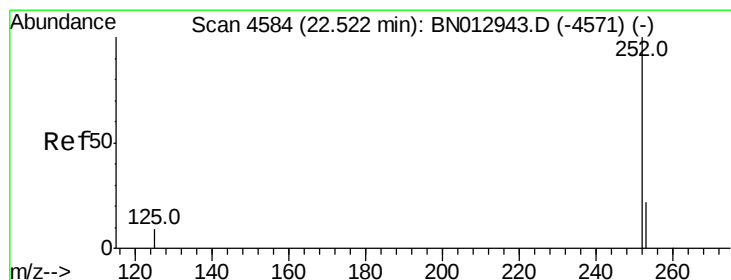
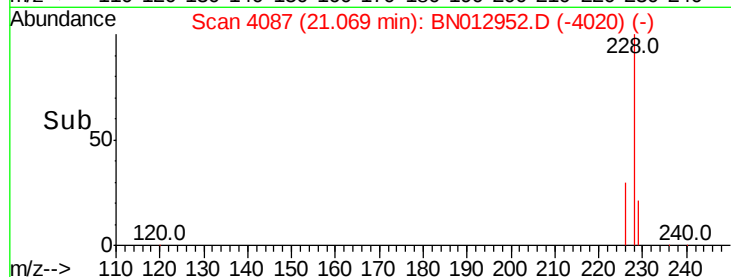
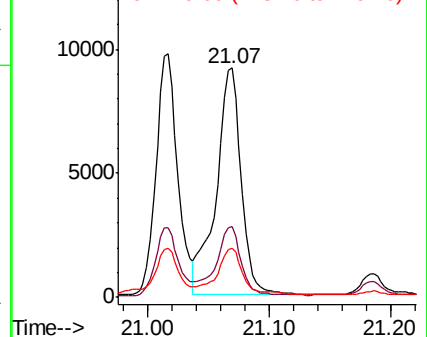
229 21.2 16.4 24.6



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: 1.374 ng/ul

RT: 22.52 min Scan# 4582

Delta R.T. -0.00 min

Lab File: BN012952.D

Acq: 07 Dec 2020 22:55

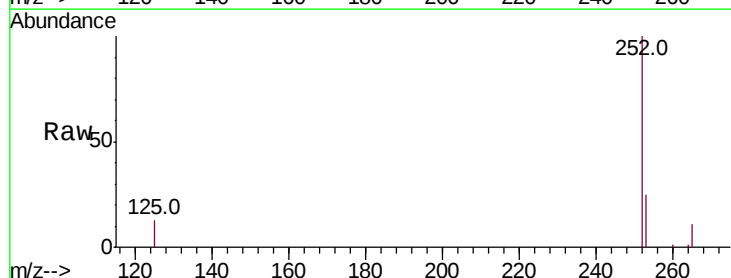
Tgt Ion:252 Resp: 24802

Ion Ratio Lower Upper

252 100

253 24.7 0.0 59.6

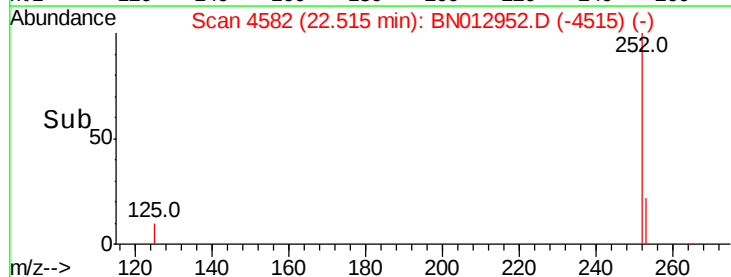
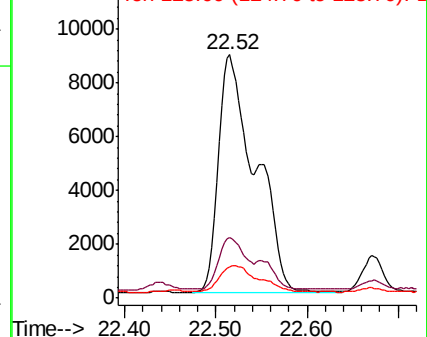
125 12.8 0.0 26.0

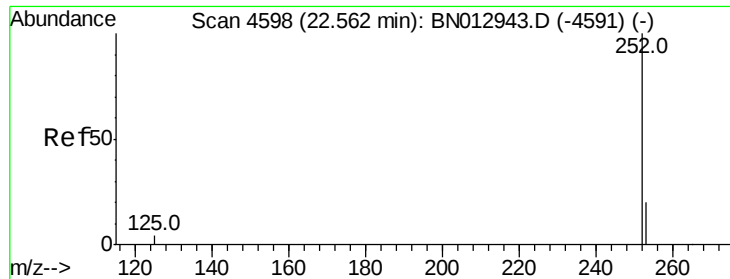


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.243 ng/ul

RT: 22.52 min Scan# 4582

Delta R.T. -0.04 min

Lab File: BN012952.D

Acq: 07 Dec 2020 22:55

Instrument :

BNA_N

ClientSampleId :

C0BD0DL

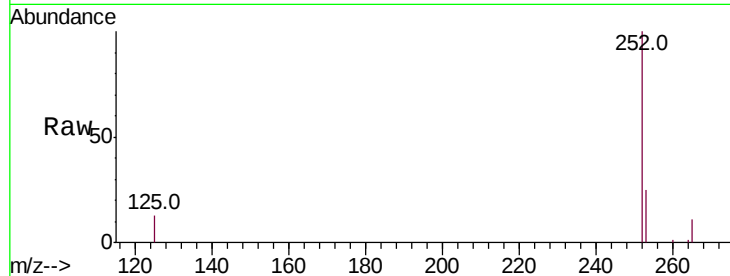
Tot Ion:252 Resp: 24804

Ion Ratio Lower Upper

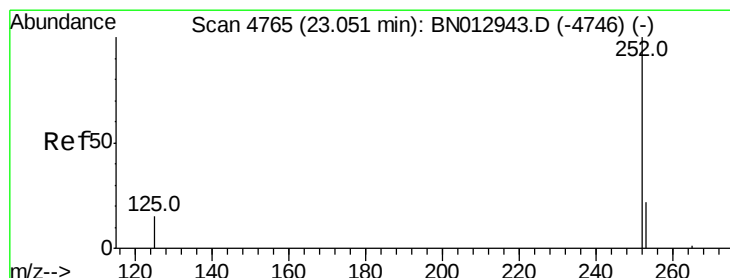
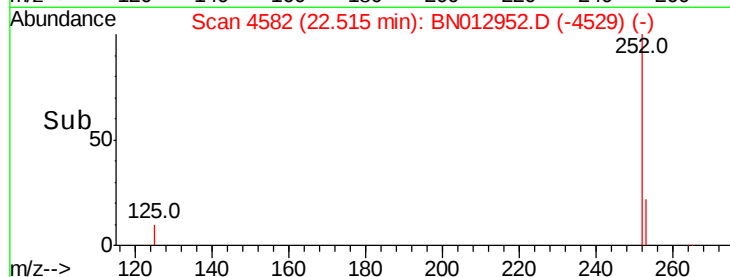
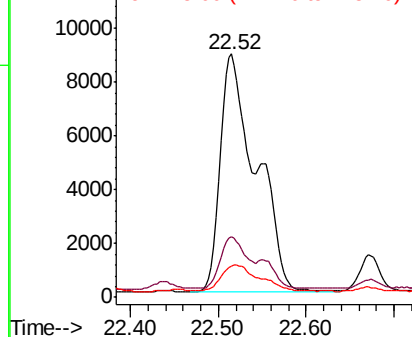
252 100

253 24.7 23.4 35.2

125 12.8 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: 0.305 ng/ul

RT: 22.95 min Scan# 4732

Delta R.T. -0.09 min

Lab File: BN012952.D

Acq: 07 Dec 2020 22:55

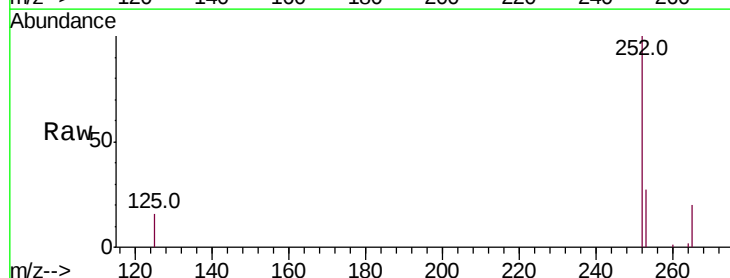
Tgt Ion:252 Resp: 5110

Ion Ratio Lower Upper

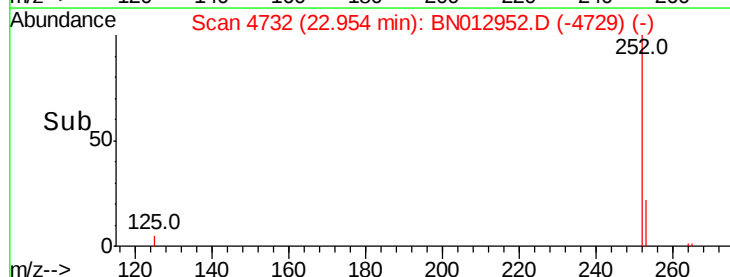
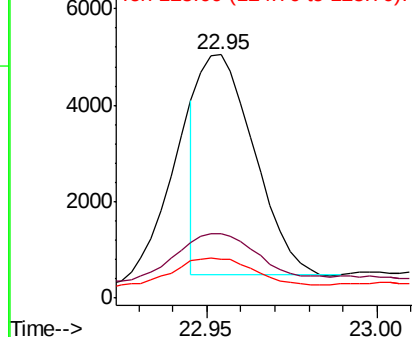
252 100

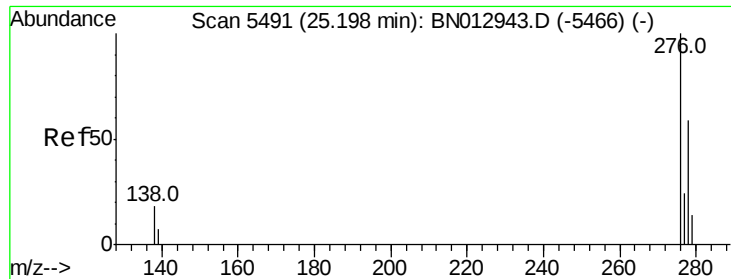
253 26.7 26.5 39.7

125 16.1 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



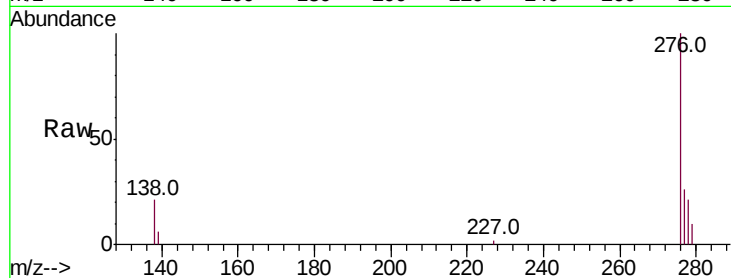


#24

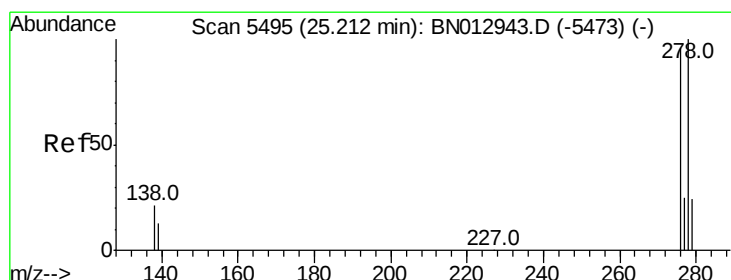
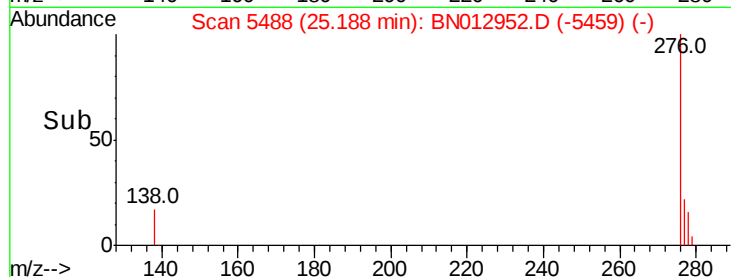
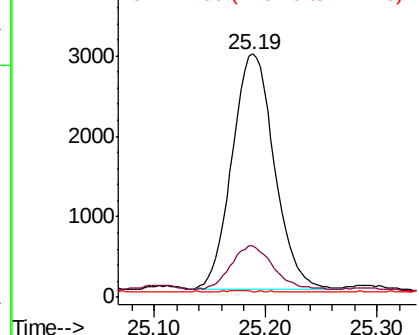
Indeno(1,2,3-cd)pyrene
Concen: 0.352 ng/ul
RT: 25.19 min Scan# 5488
Delta R.T. -0.00 min
Lab File: BN012952.D
Acq: 07 Dec 2020 22:55

Instrument :
BNA_N
ClientSampleId :
C0BD0DL

Tot Ion:276 Resp: 7734
Ion Ratio Lower Upper
276 100
138 18.8 16.2 24.2
227 0.2 0.0 0.0#



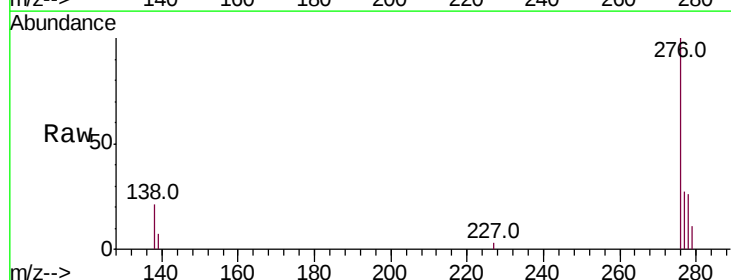
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



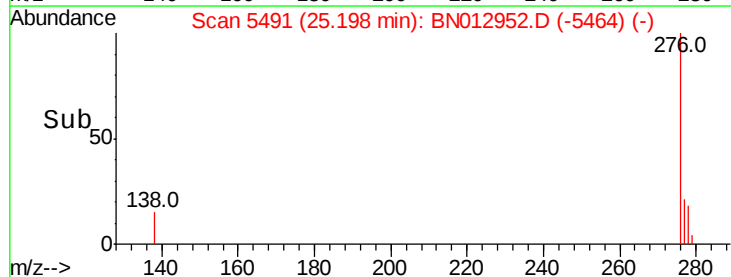
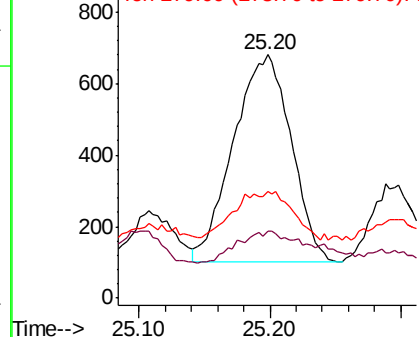
#25

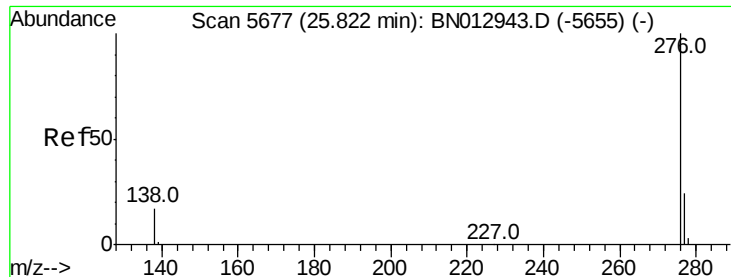
Dibenzo(a,h)anthracene
Concen: 0.102 ng/ul
RT: 25.20 min Scan# 5491
Delta R.T. -0.01 min
Lab File: BN012952.D
Acq: 07 Dec 2020 22:55

Tgt Ion:278 Resp: 1775
Ion Ratio Lower Upper
278 100
139 27.5 14.5 21.7#
279 43.9 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: 0.337 ng/ul

RT: 25.82 min Scan# 5676

Delta R.T. -0.00 min

Lab File: BN012952.D

Acq: 07 Dec 2020 22:55

Instrument :

BNA_N

ClientSampleId :

C0BD0DL

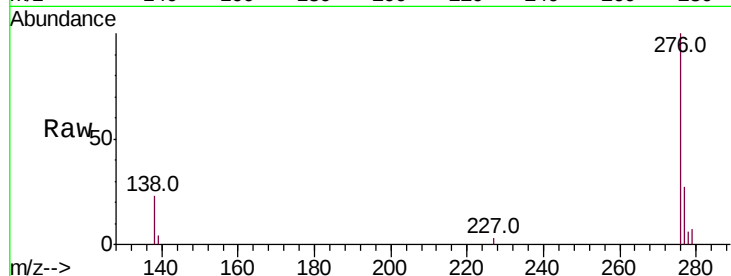
Tot Ion:276 Resp: 6702

Ion Ratio Lower Upper

276 100

138 22.6 16.3 24.5

277 27.1 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

