

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN012984.D
 Acq On : 08 Dec 2020 20:17
 Operator : CG/JU
 Sample : L4862-01DL 5X
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AY8DL

Quant Time: Dec 09 00:14:38 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 : Wed Dec 09 00:11:42 2020
 Response via : Initial Calibration

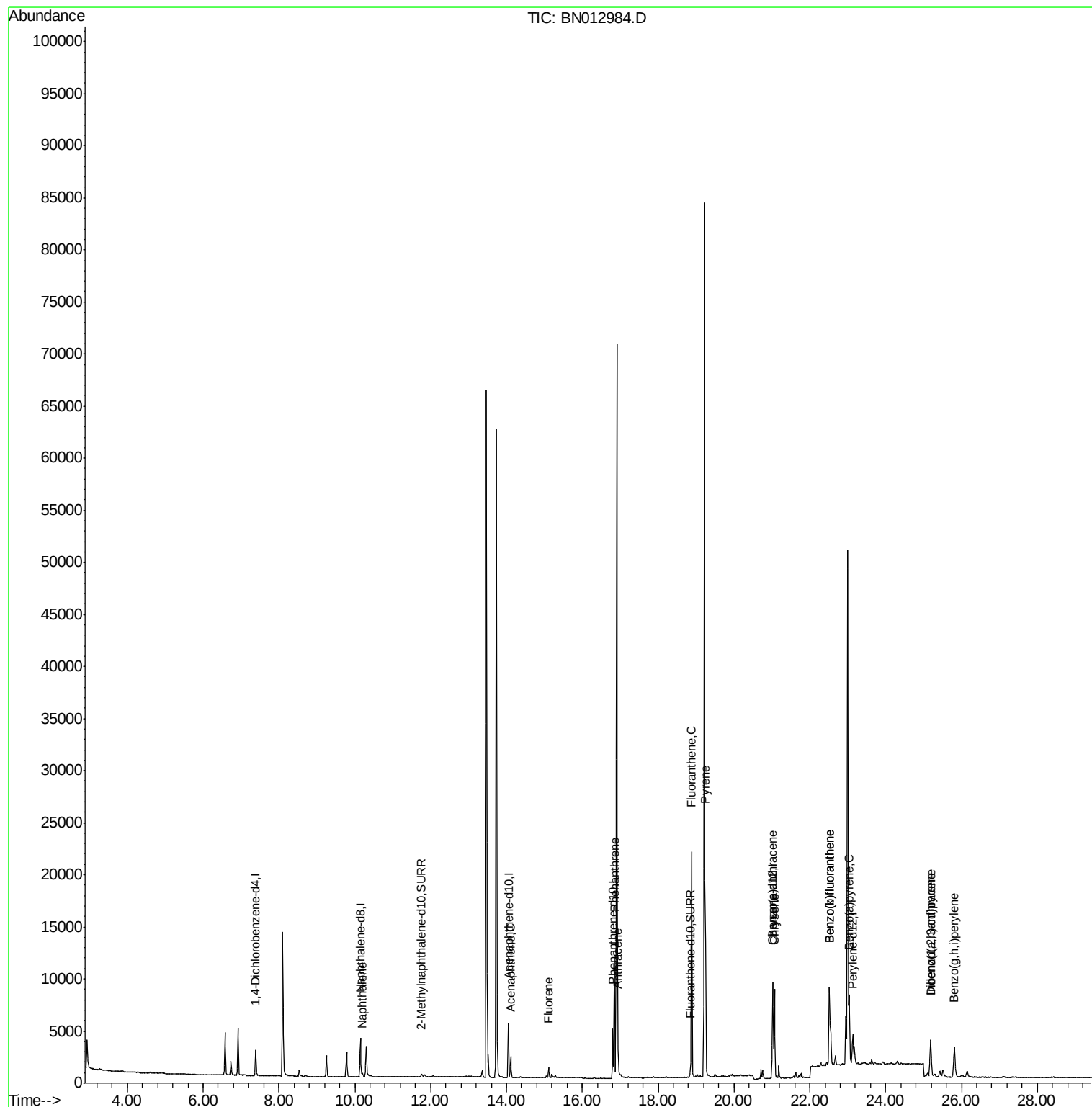
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1296	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	4985	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	2740	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	5524	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	3665	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	3366	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	399	0.05	ng/ul	0.00
14) Fluoranthene-d10	18.85	212	729	0.05	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.20	128	675	0.047	ng/ul#	77
8) Acenaphthene	14.11	153	1166	0.110	ng/ul	98
9) Fluorene	15.11	166	603	0.049	ng/ul#	93
12) Phenanthrene	16.85	178	12003	0.648	ng/ul	97
13) Anthracene	16.94	178	2023	0.128	ng/ul	96
15) Fluoranthene	18.88	202	19371	0.880	ng/ul	95
17) Pyrene	19.25	202	17546	1.014	ng/ul	99
18) Benzo(a)anthracene	21.02	228	7121	0.470	ng/ul	98
19) Chrysene	21.07	228	8427	0.503	ng/ul	98
21) Benzo(b)fluoranthene	22.51	252	15299	0.982	ng/ul	95
22) Benzo(k)fluoranthene	22.51	252	15299	0.889	ng/ul	96
23) Benzo(a)pyrene	23.04	252	7368	0.510	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.19	276	5367	0.283	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.19	278	1203	0.080	ng/ul#	71
26) Benzo(g,h,i)perylene	25.81	276	5726	0.334	ng/ul	98

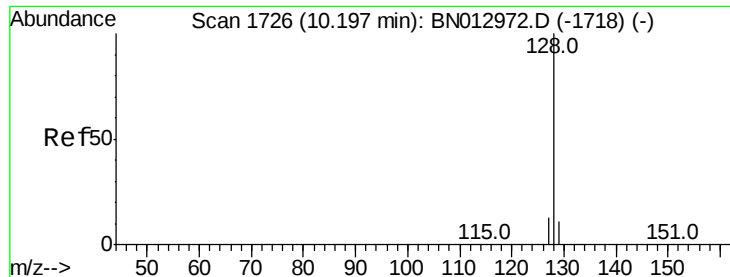
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 09 00:11:42 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.047 ng/ul

RT: 10.20 min Scan# 1726

Delta R.T. -0.01 min

Lab File: BN012984.D

Acq: 08 Dec 2020 20:17

Instrument :

BNA_N

ClientSampleId :

C0AY8DL

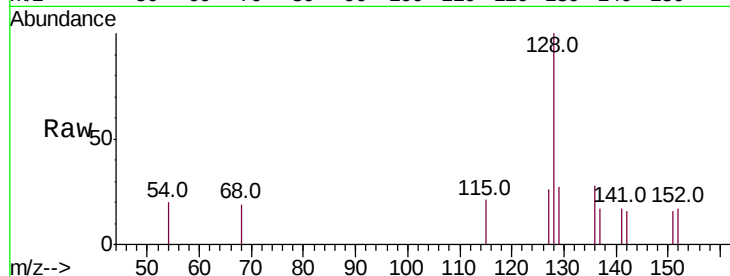
Tot Ion:128 Resp: 675

Ion Ratio Lower Upper

128 100

129 27.4 12.3 18.5#

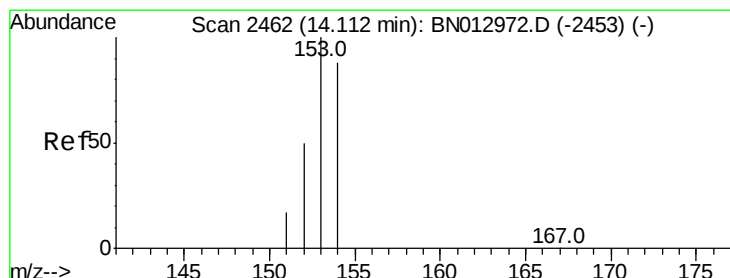
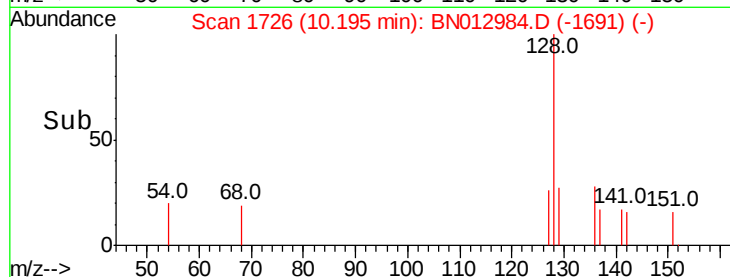
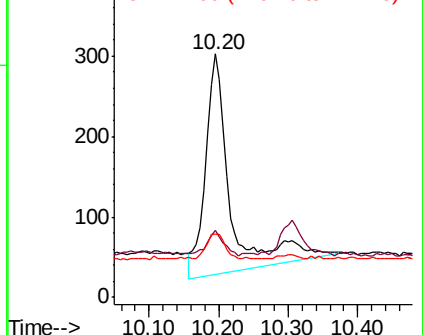
127 26.1 14.2 21.4#



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



#8

Acenaphthene

Concen: 0.110 ng/ul

RT: 14.11 min Scan# 2462

Delta R.T. -0.01 min

Lab File: BN012984.D

Acq: 08 Dec 2020 20:17

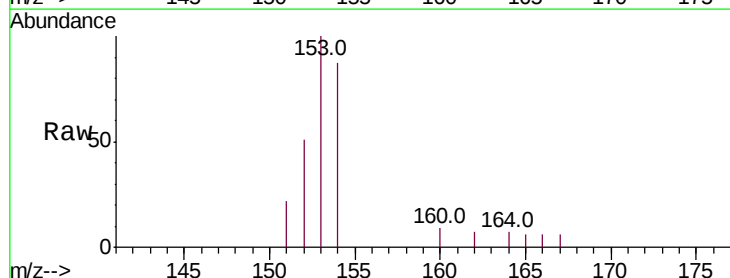
Tgt Ion:153 Resp: 1166

Ion Ratio Lower Upper

153 100

152 51.4 40.7 61.1

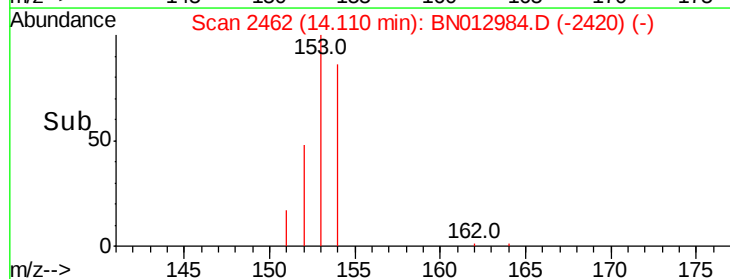
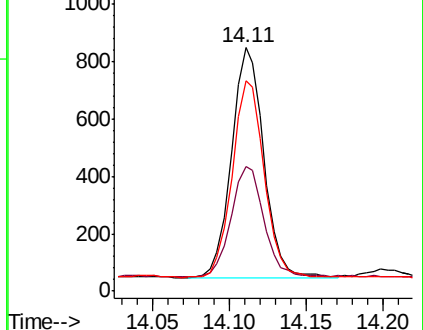
154 86.6 70.8 106.2

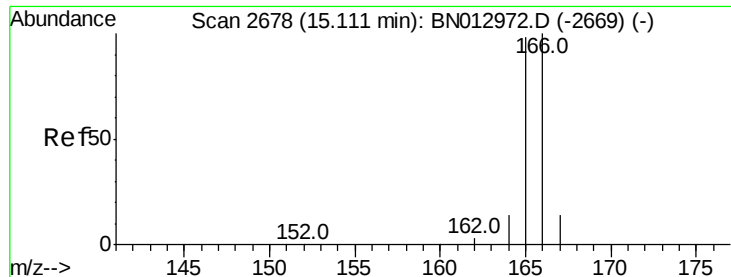


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.049 ng/ul

RT: 15.11 min Scan# 2678

Delta R.T. -0.01 min

Lab File: BN012984.D

Acq: 08 Dec 2020 20:17

Instrument :

BNA_N

ClientSampleId :

C0AY8DL

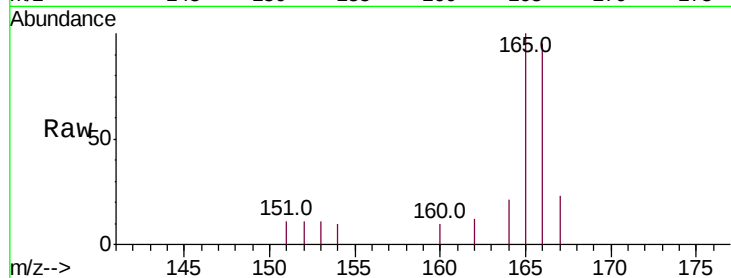
Tot Ion:166 Resp: 603

Ion Ratio Lower Upper

166 100

165 105.6 79.8 119.8

167 24.2 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

15.11

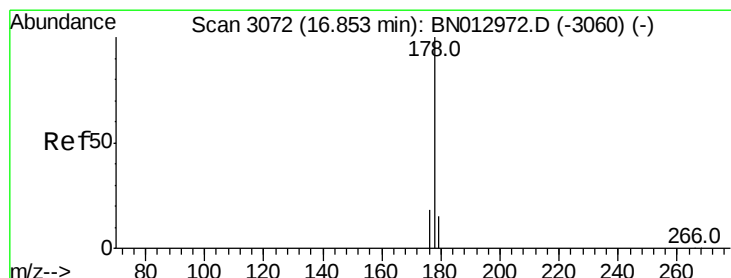
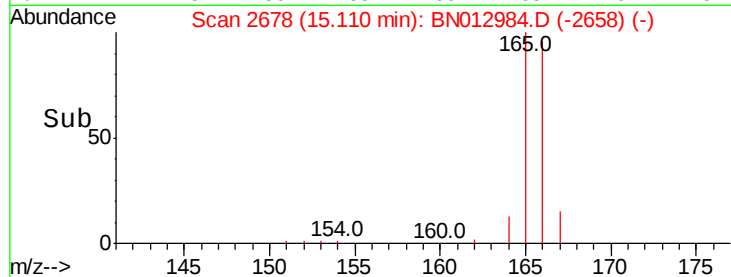
400

200

0

15.10 15.20

Time-->



#12

Phenanthrene

Concen: 0.648 ng/ul

RT: 16.85 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BN012984.D

Acq: 08 Dec 2020 20:17

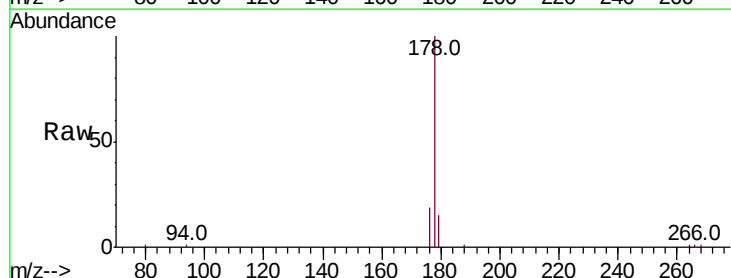
Tgt Ion:178 Resp: 12003

Ion Ratio Lower Upper

178 100

179 15.3 13.6 20.4

176 19.4 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

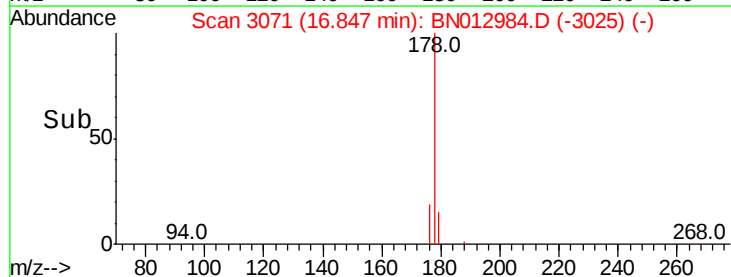
4000

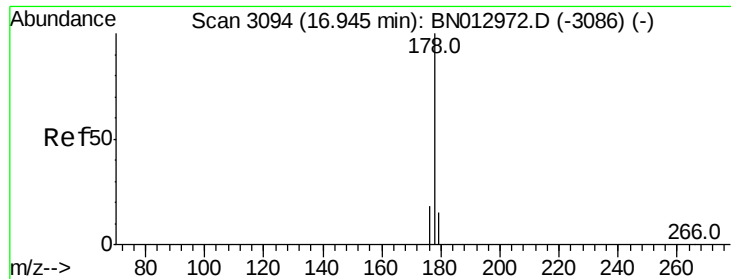
2000

0

16.80 16.90

Time-->





#13

Anthracene

Concen: 0.128 ng/ul

RT: 16.94 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BN012984.D

Acq: 08 Dec 2020 20:17

Instrument :

BNA_N

ClientSampleId :

C0AY8DL

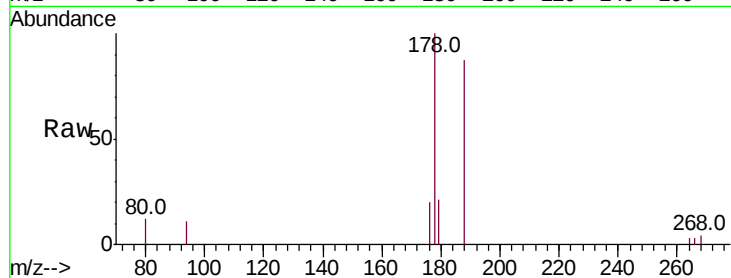
Tot Ion:178 Resp: 2023

Ion Ratio Lower Upper

178 100

179 20.8 14.6 21.8

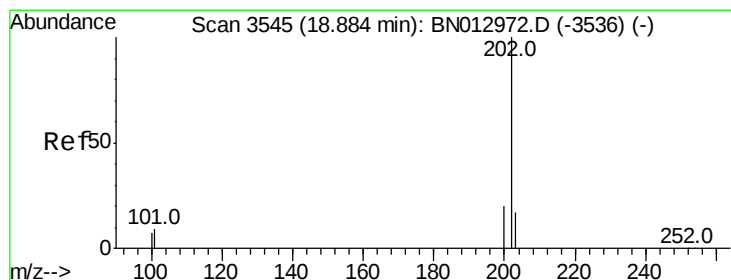
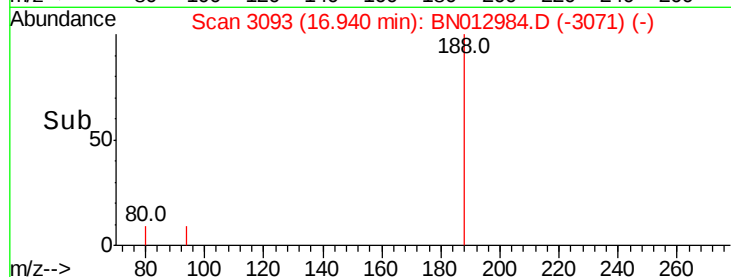
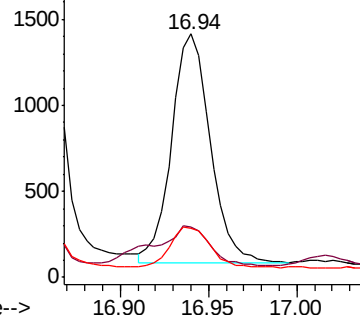
176 20.3 17.1 25.7



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: 0.880 ng/ul

RT: 18.88 min Scan# 3545

Delta R.T. -0.00 min

Lab File: BN012984.D

Acq: 08 Dec 2020 20:17

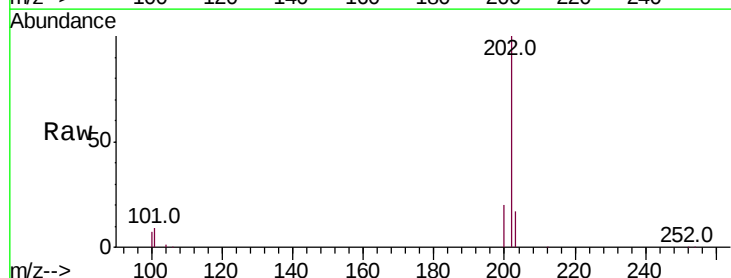
Tgt Ion:202 Resp: 19371

Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.6

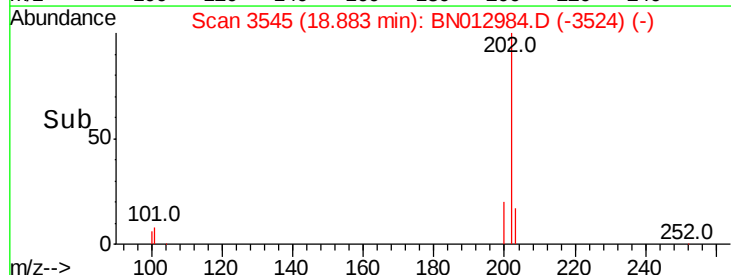
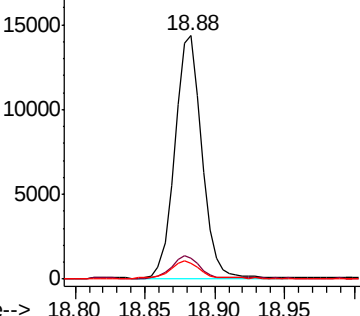
100 6.7 0.0 28.7

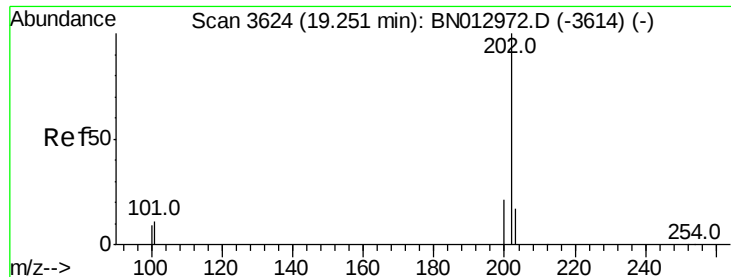


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

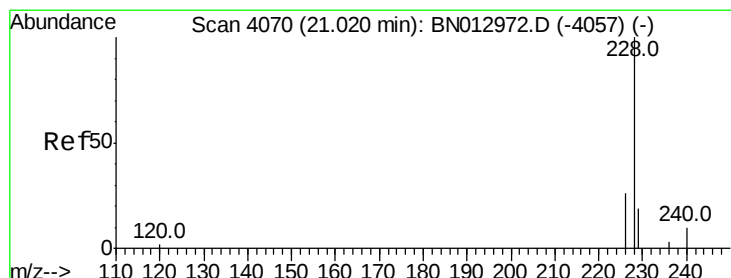
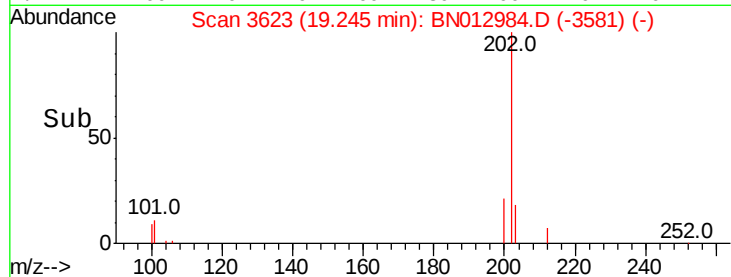
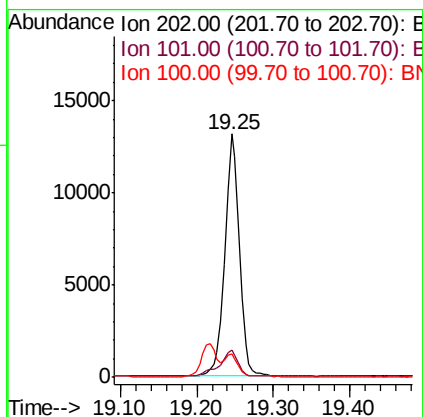
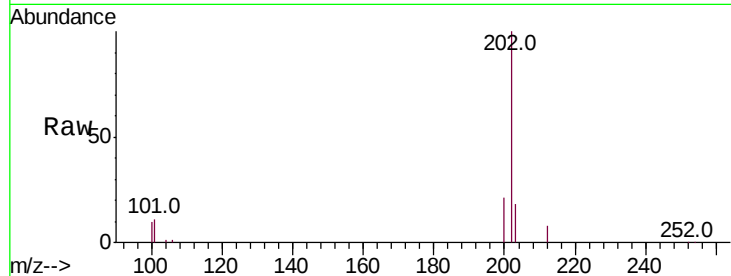




#17
Pvrene
Concen: 1.014 ng/ul
RT: 19.25 min Scan# 3623
Delta R.T. -0.01 min
Lab File: BN012984.D
Acq: 08 Dec 2020 20:17

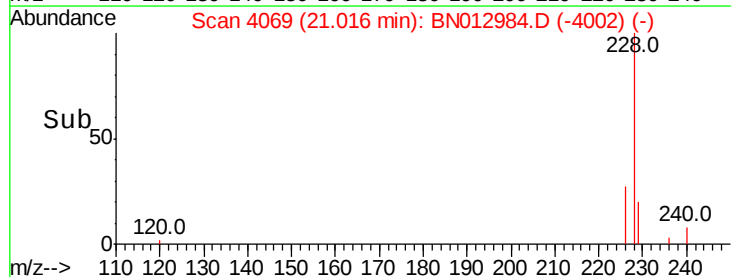
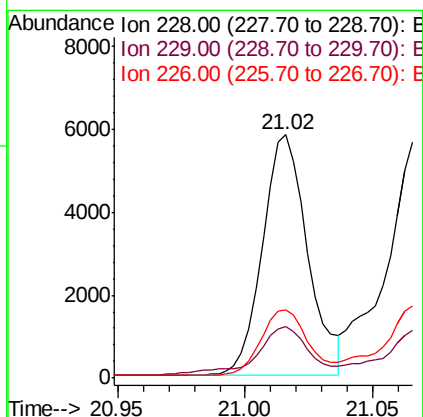
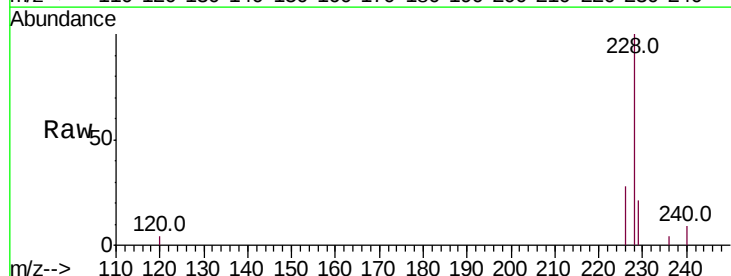
Instrument :
BNA_N
ClientSampleId :
C0AY8DL

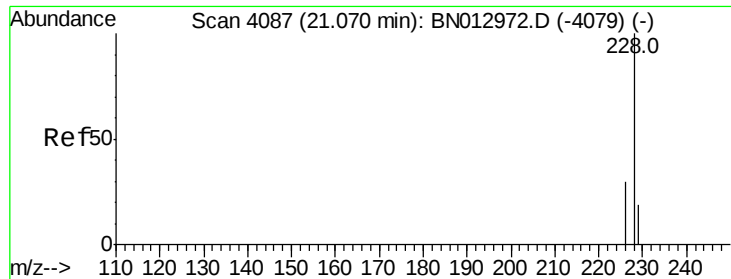
Tot Ion:202 Resp: 17546
Ion Ratio Lower Upper
202 100
101 11.0 9.1 13.7
100 9.7 7.5 11.3



#18
Benzo(a)anthracene
Concen: 0.470 ng/ul
RT: 21.02 min Scan# 4069
Delta R.T. -0.00 min
Lab File: BN012984.D
Acq: 08 Dec 2020 20:17

Tgt Ion:228 Resp: 7121
Ion Ratio Lower Upper
228 100
229 20.9 16.3 24.5
226 28.3 23.4 35.2





#19

Chrysene

Concen: 0.503 ng/ul

RT: 21.07 min Scan# 4087

Delta R.T. -0.00 min

Lab File: BN012984.D

Acq: 08 Dec 2020 20:17

Instrument :

BNA_N

ClientSampleId :

C0AY8DL

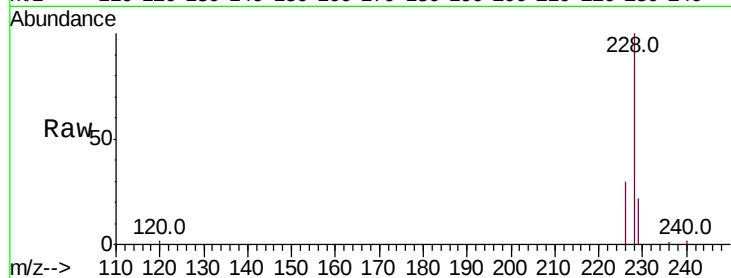
Tot Ion:228 Resp: 8427

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

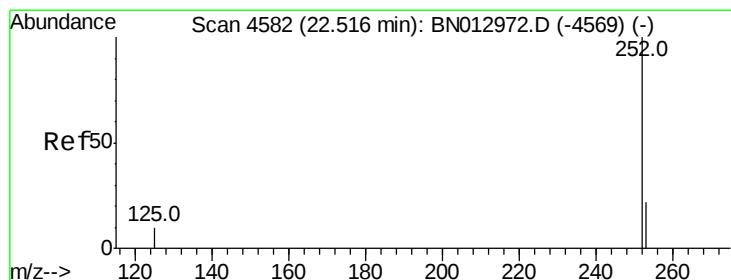
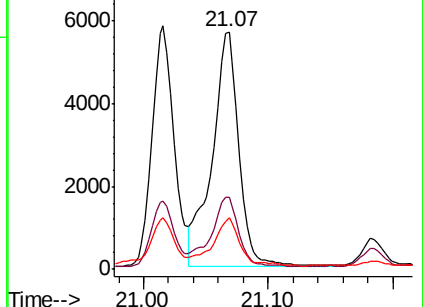
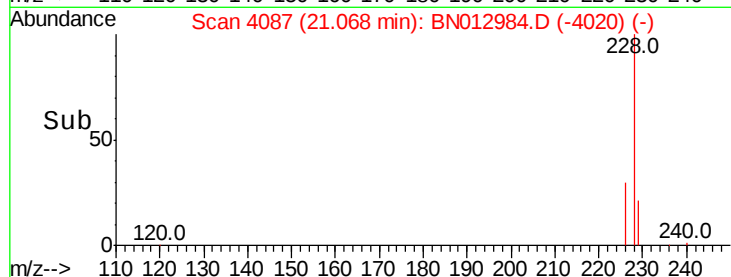
229 21.6 16.4 24.6



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: 0.982 ng/ul

RT: 22.51 min Scan# 4582

Delta R.T. -0.00 min

Lab File: BN012984.D

Acq: 08 Dec 2020 20:17

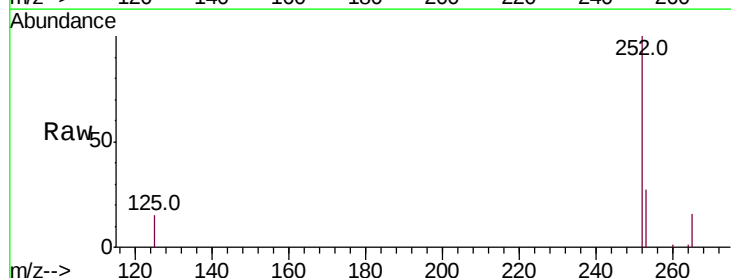
Tgt Ion:252 Resp: 15299

Ion Ratio Lower Upper

252 100

253 26.7 0.0 59.6

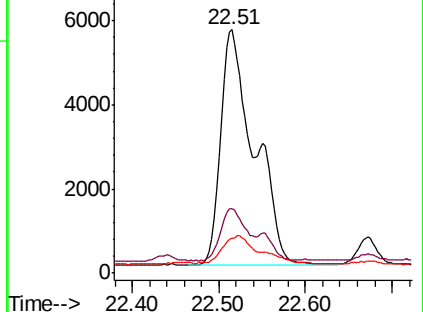
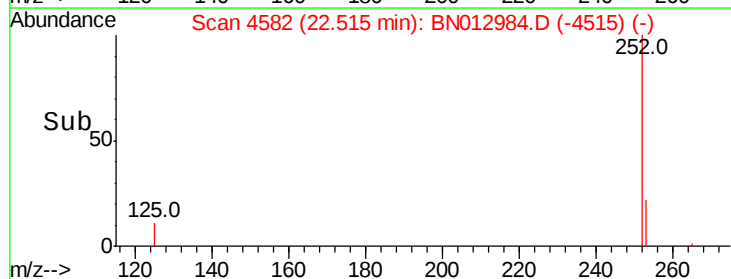
125 14.6 0.0 26.0

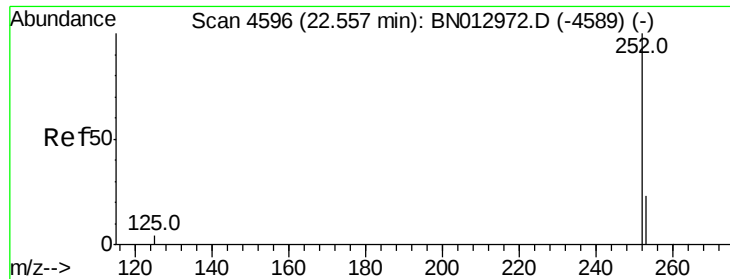


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.889 ng/ul

RT: 22.51 min Scan# 4582

Delta R.T. -0.04 min

Lab File: BN012984.D

Acq: 08 Dec 2020 20:17

Instrument :

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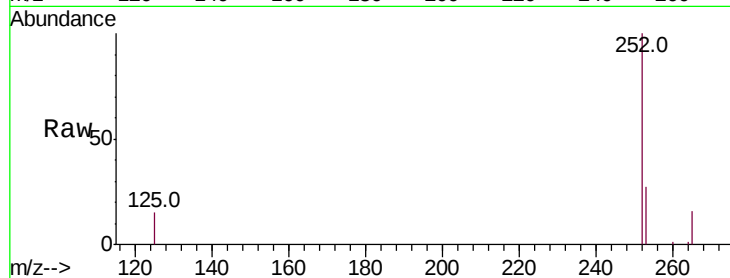
Tot Ion:252 Resp: 15299

Ion Ratio Lower Upper

252 100

253 26.7 23.4 35.2

125 14.6 11.1 16.7

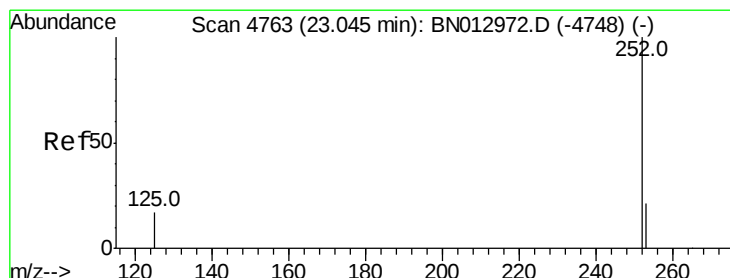
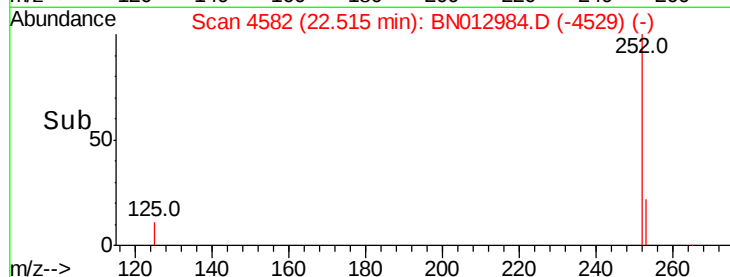
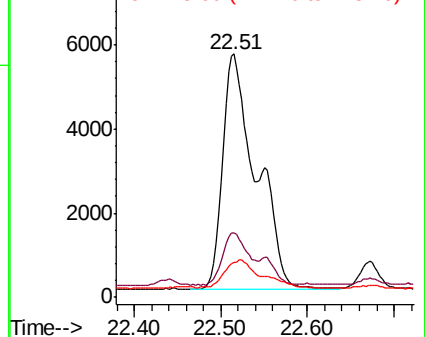


Abundance

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: 0.510 ng/ul

RT: 23.04 min Scan# 4761

Delta R.T. -0.01 min

Lab File: BN012984.D

Acq: 08 Dec 2020 20:17

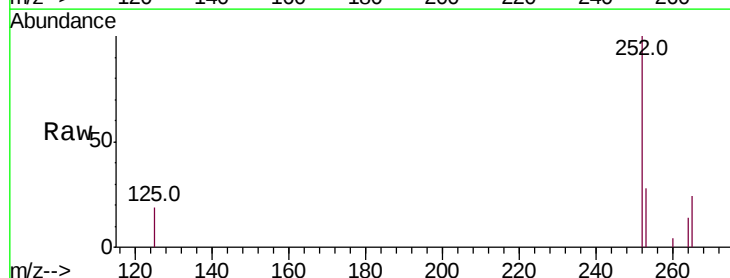
Tgt Ion:252 Resp: 7368

Ion Ratio Lower Upper

252 100

253 28.3 26.5 39.7

125 19.2 14.2 21.2

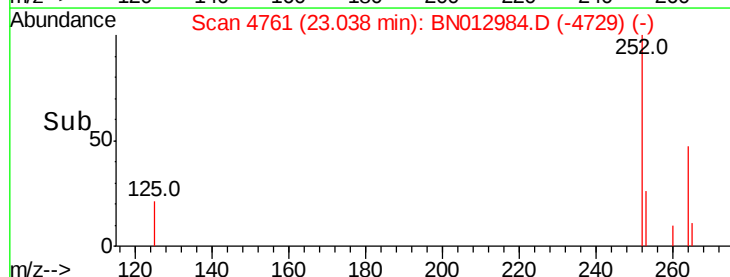
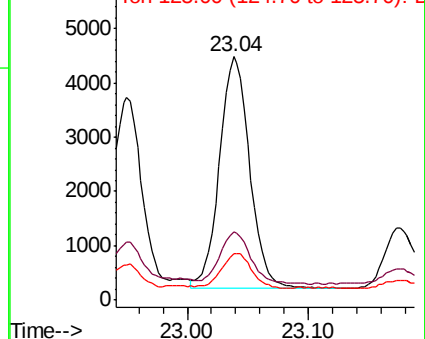


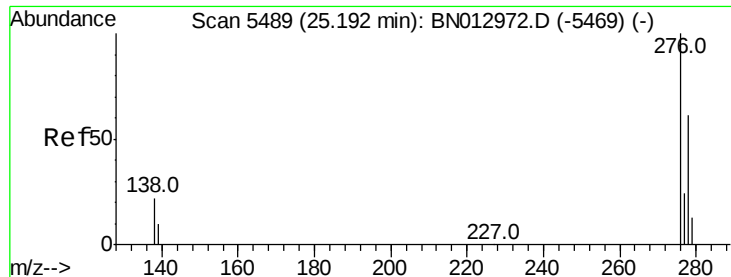
Abundance

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



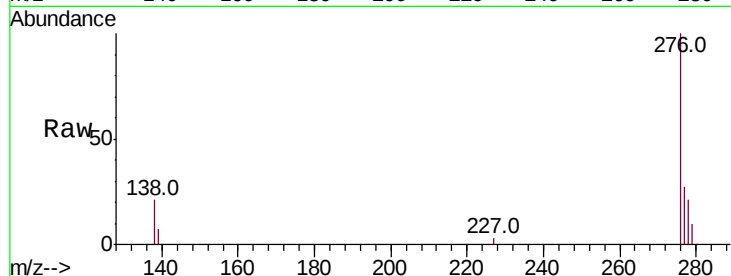


#24

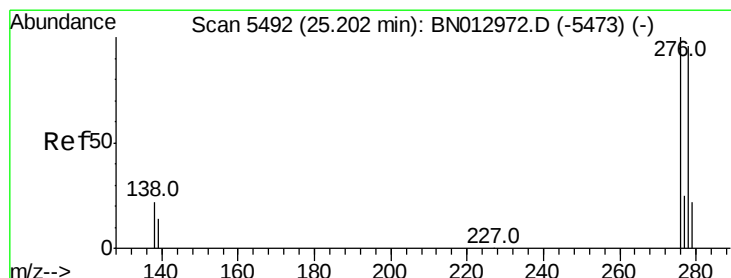
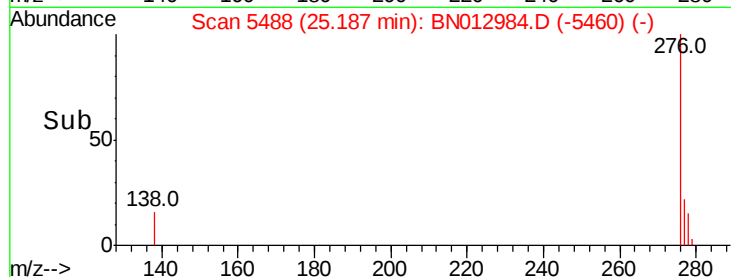
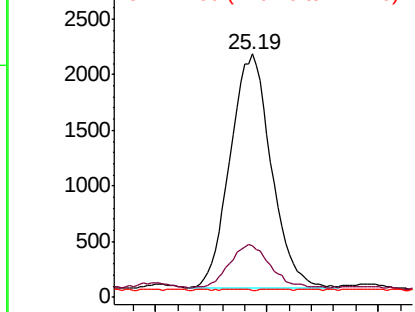
Indeno(1,2,3-cd)pyrene
Concen: 0.283 ng/u1
RT: 25.19 min Scan# 5488
Delta R.T. -0.00 min
Lab File: BN012984.D
Acq: 08 Dec 2020 20:17

Instrument :
BNA_N
ClientSampleId :
C0AY8DL

Tot Ion:276 Resp: 5367
Ion Ratio Lower Upper
276 100
138 18.6 16.2 24.2
227 0.1 0.0 0.0#



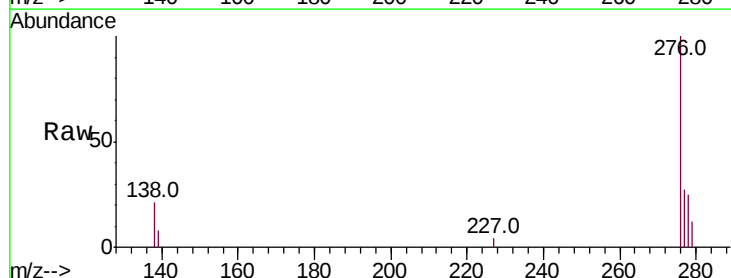
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



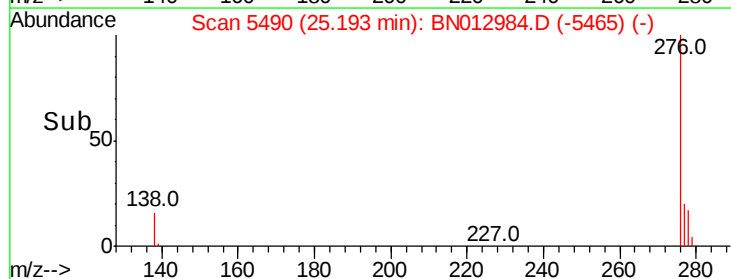
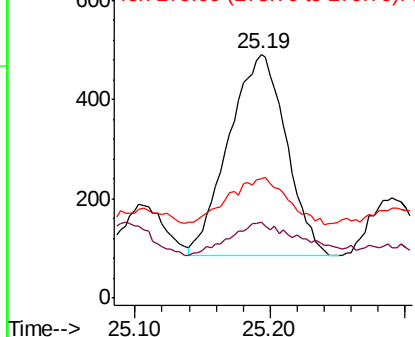
#25

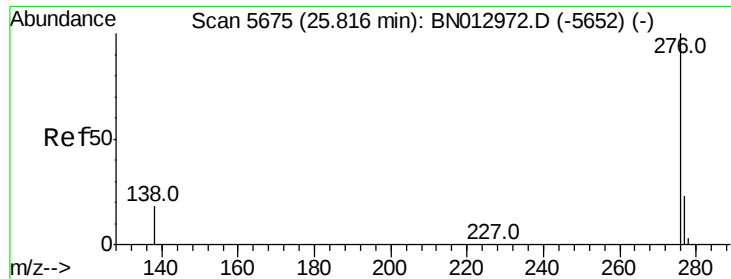
Dibenzo(a,h)anthracene
Concen: 0.080 ng/u1
RT: 25.19 min Scan# 5490
Delta R.T. -0.01 min
Lab File: BN012984.D
Acq: 08 Dec 2020 20:17

Tgt Ion:278 Resp: 1203
Ion Ratio Lower Upper
278 100
139 31.2 14.5 21.7#
279 49.1 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: 0.334 ng/ul

RT: 25.81 min Scan# 5674

Delta R.T. -0.01 min

Lab File: BN012984.D

Acq: 08 Dec 2020 20:17

Instrument :

BNA_N

ClientSampleId :

C0AY8DL

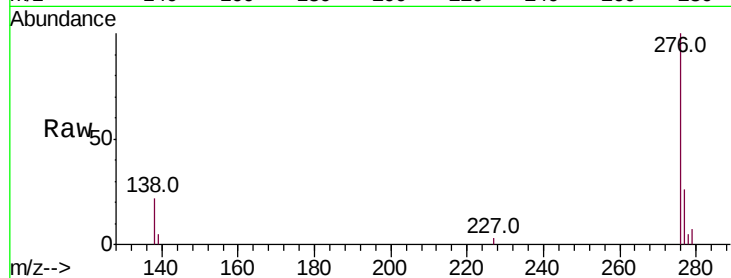
Tot Ion:276 Resp: 5726

Ion Ratio Lower Upper

276 100

138 21.6 16.3 24.5

277 26.2 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

