

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN012985.D
 Acq On : 08 Dec 2020 20:53
 Operator : CG/JU
 Sample : L4862-03DL 5X
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AZ3DL

Quant Time: Dec 09 00:14:45 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

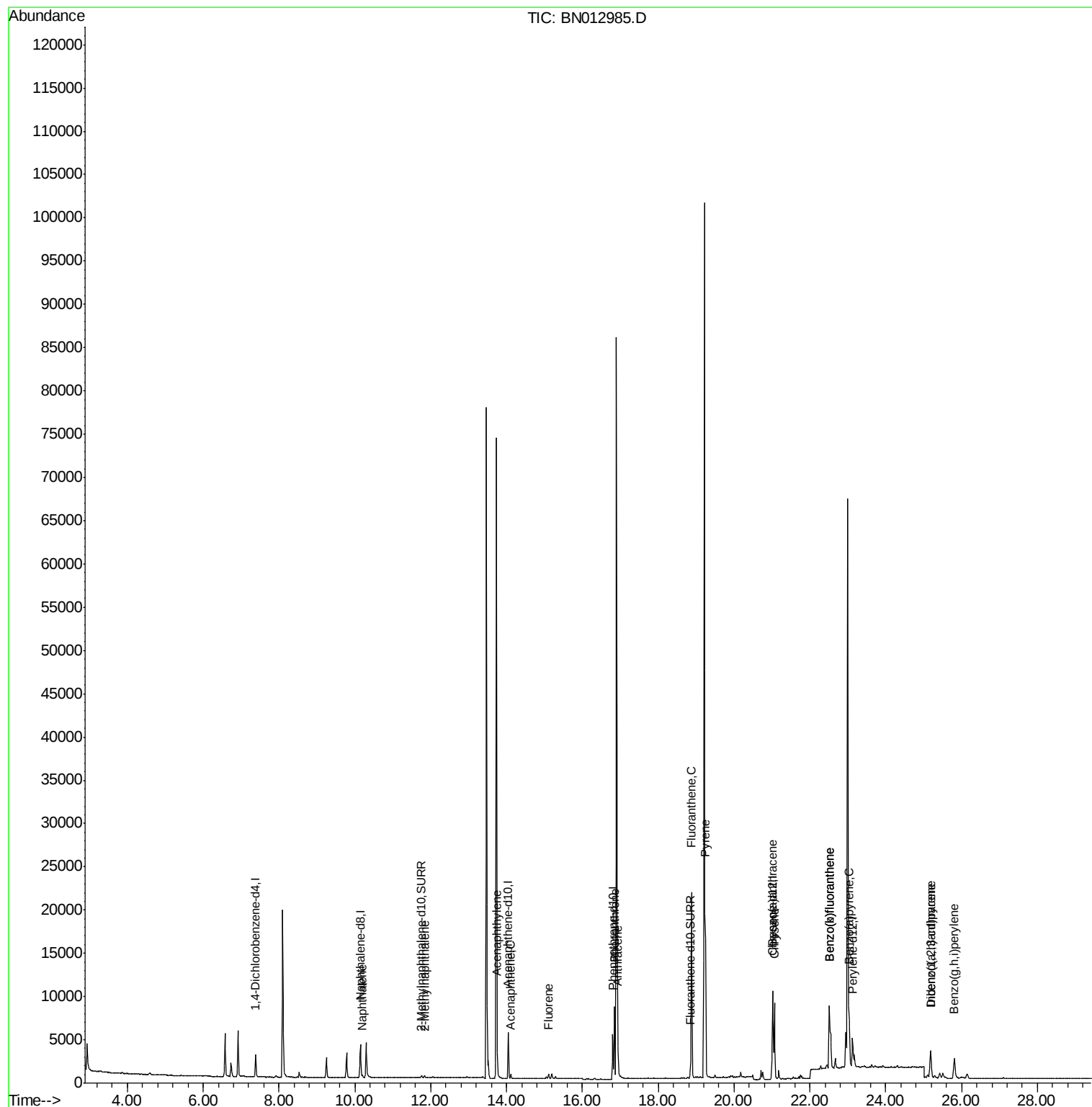
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1294	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	5132	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	2833	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	5904	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	4201	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	3887	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	453	0.06	ng/ul	0.00
14) Fluoranthene-d10	18.85	212	906	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.20	128	405	0.027	ng/ul#	72
5) 2-Methylnaphthalene	11.84	142	225	0.023	ng/ul	95
7) Acenaphthylene	13.76	152	270	0.020	ng/ul#	59
8) Acenaphthene	14.11	153	292	0.027	ng/ul	96
9) Fluorene	15.11	166	370	0.029	ng/ul#	95
12) Phenanthrene	16.85	178	8730	0.441	ng/ul	98
13) Anthracene	16.94	178	2069	0.123	ng/ul	97
15) Fluoranthene	18.88	202	18421	0.783	ng/ul	97
17) Pyrene	19.25	202	16229	0.818	ng/ul	99
18) Benzo(a)anthracene	21.01	228	7806	0.449	ng/ul	98
19) Chrysene	21.06	228	8583	0.447	ng/ul	98
21) Benzo(b)fluoranthene	22.51	252	15327	0.852	ng/ul	95
22) Benzo(k)fluoranthene	22.51	252	15327	0.771	ng/ul	96
23) Benzo(a)pyrene	23.04	252	7293	0.437	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.18	276	4823	0.220	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.20	278	1146	0.066	ng/ul#	70
26) Benzo(a,h,i)perylene	25.81	276	4716	0.238	ng/ul	98

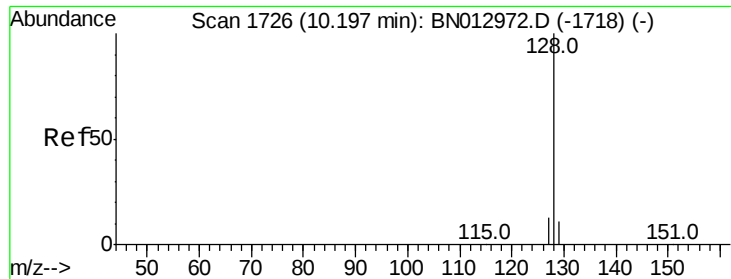
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.027 ng/ul

RT: 10.20 min Scan# 1726

Delta R.T. -0.01 min

Lab File: BN012985.D

Acq: 08 Dec 2020 20:53

Instrument :

BNA_N

ClientSampleId :

C0AZ3DL

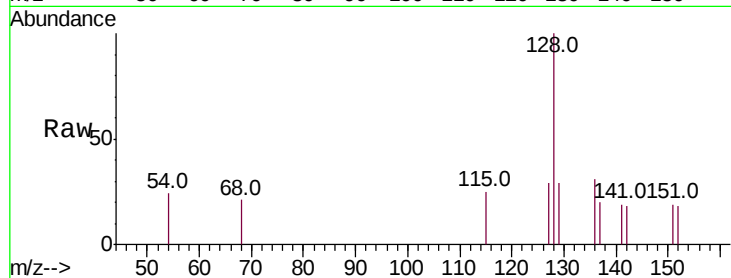
Tot Ion:128 Resp: 405

Ion Ratio Lower Upper

128 100

129 29.0 12.3 18.5#

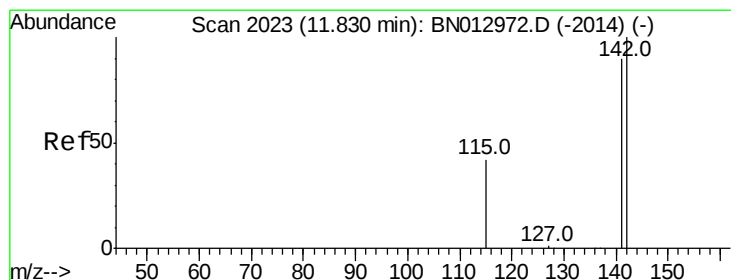
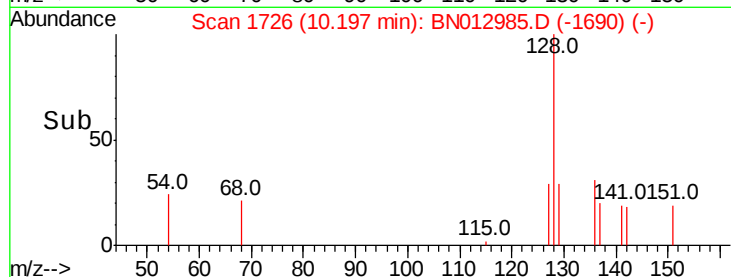
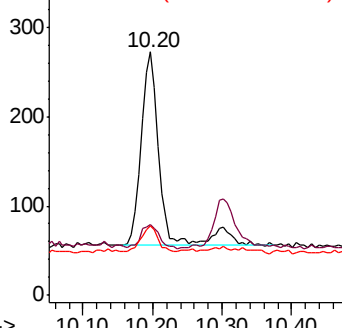
127 28.7 14.2 21.4#



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



#5

2-Methylnaphthalene

Concen: 0.023 ng/ul

RT: 11.84 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BN012985.D

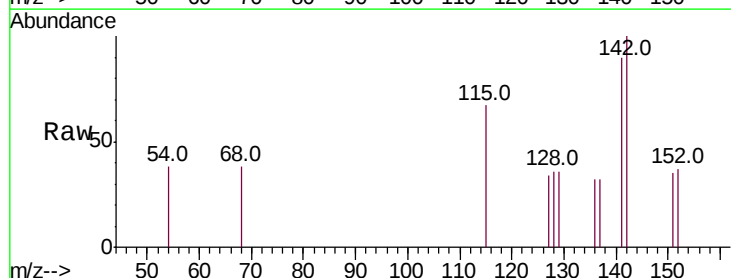
Acq: 08 Dec 2020 20:53

Tgt Ion:142 Resp: 225

Ion Ratio Lower Upper

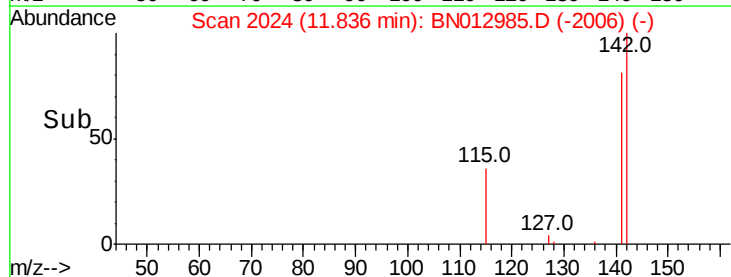
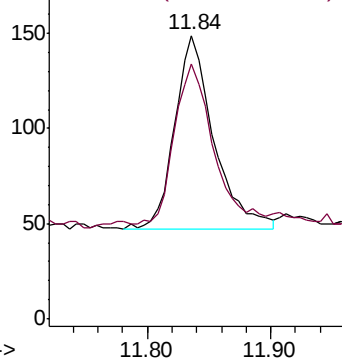
142 100

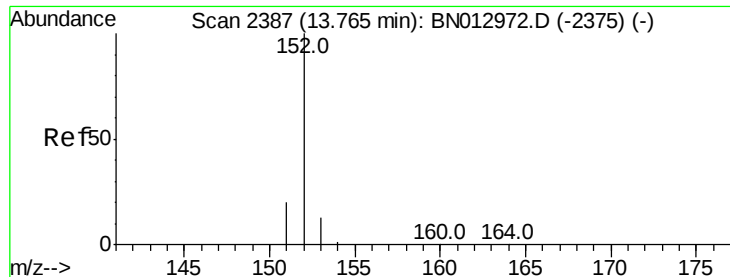
141 86.2 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.020 ng/ul

RT: 13.76 min Scan# 2387

Delta R.T. -0.00 min

Lab File: BN012985.D

Acq: 08 Dec 2020 20:53

Instrument :

BNA_N

ClientSampleId :

C0AZ3DL

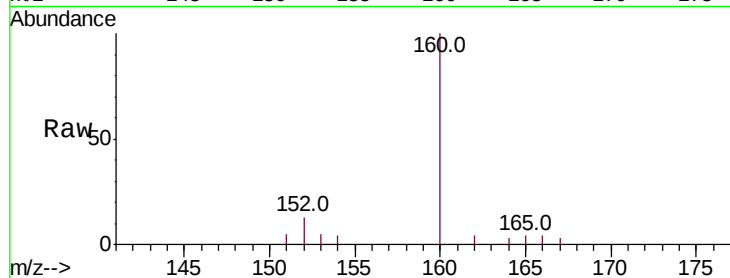
Tot Ion:152 Resp: 270

Ion Ratio Lower Upper

152 100

151 41.4 18.2 27.4#

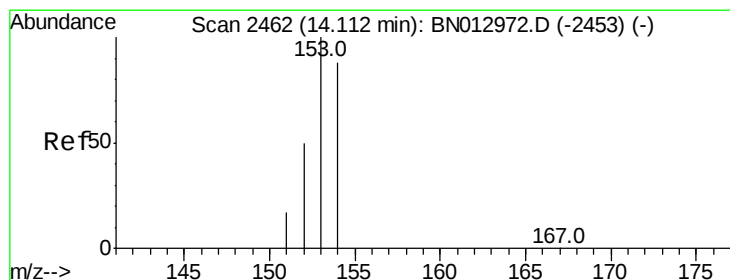
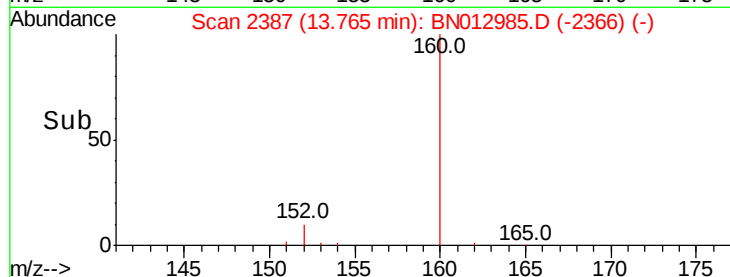
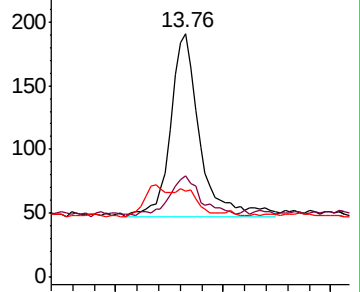
153 35.1 13.1 19.7#



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: 0.027 ng/ul

RT: 14.11 min Scan# 2462

Delta R.T. -0.00 min

Lab File: BN012985.D

Acq: 08 Dec 2020 20:53

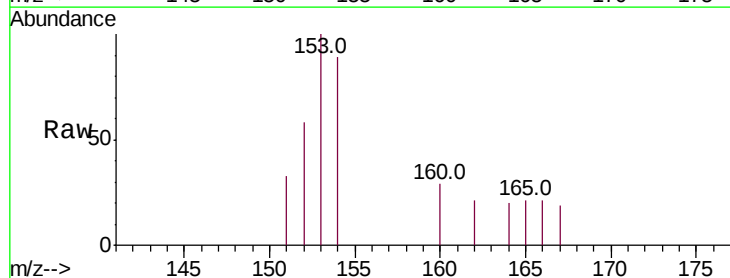
Tgt Ion:153 Resp: 292

Ion Ratio Lower Upper

153 100

152 57.9 40.7 61.1

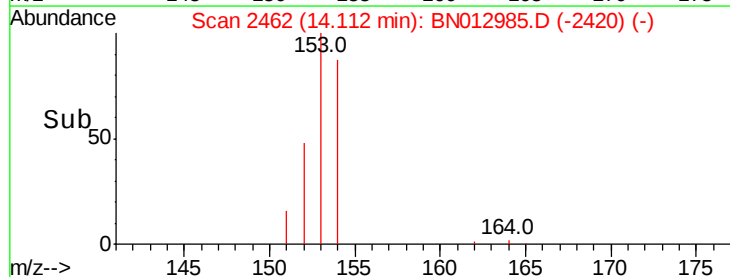
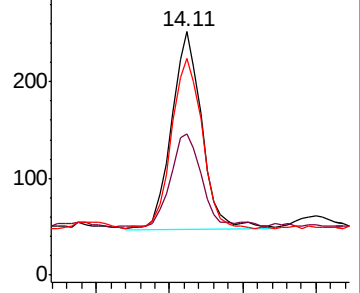
154 88.9 70.8 106.2

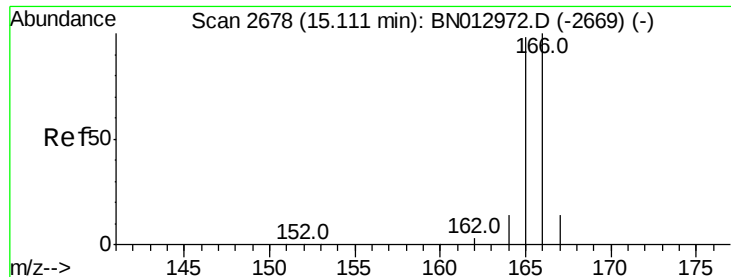


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.029 ng/ul

RT: 15.11 min Scan# 2678

Delta R.T. -0.00 min

Lab File: BN012985.D

Acq: 08 Dec 2020 20:53

Instrument :

BNA_N

ClientSampleId :

C0AZ3DL

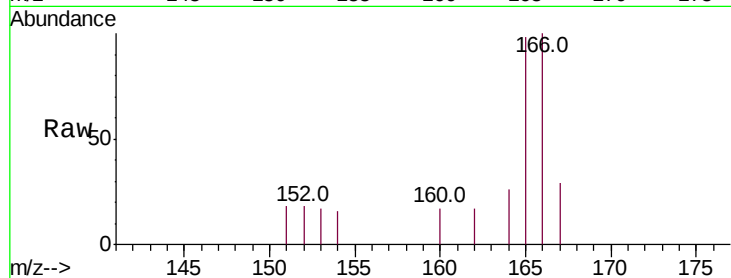
Tot Ion:166 Resp: 370

Ion Ratio Lower Upper

166 100

165 98.4 79.8 119.8

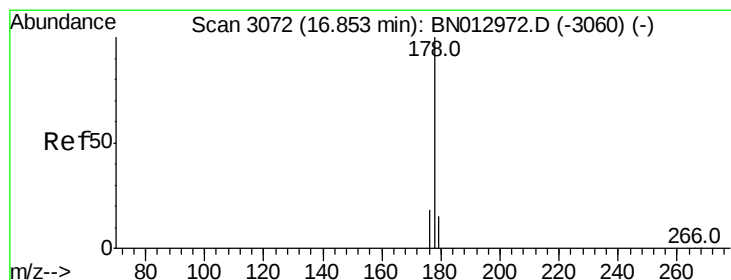
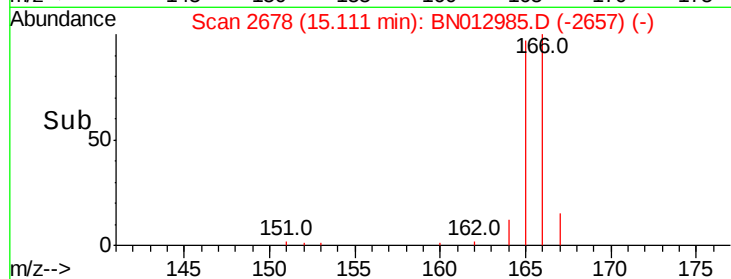
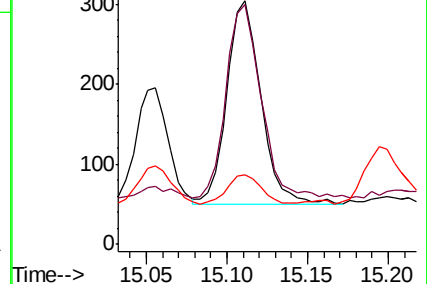
167 28.6 13.8 20.8#



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



#12

Phenanthrene

Concen: 0.441 ng/ul

RT: 16.85 min Scan# 3071

Delta R.T. -0.00 min

Lab File: BN012985.D

Acq: 08 Dec 2020 20:53

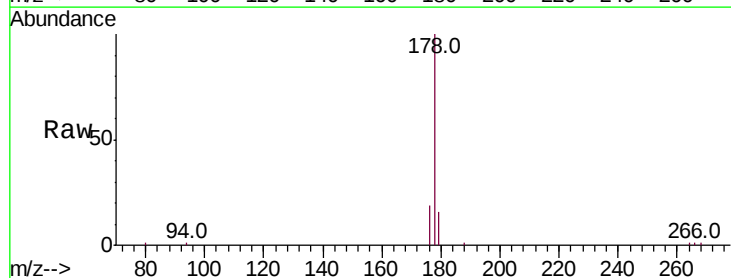
Tgt Ion:178 Resp: 8730

Ion Ratio Lower Upper

178 100

179 15.9 13.6 20.4

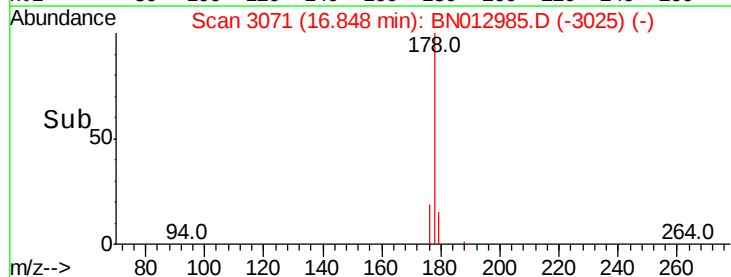
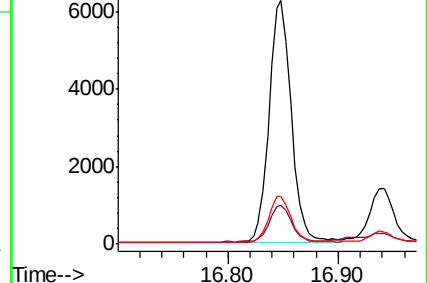
176 19.4 16.4 24.6

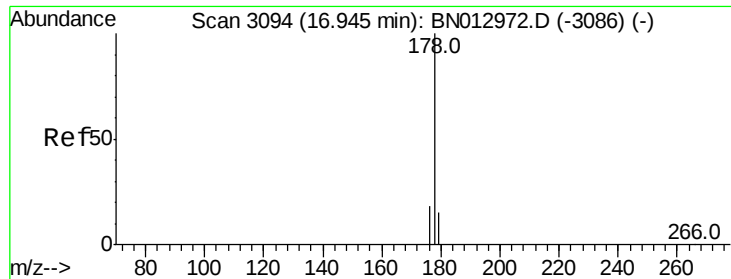


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.123 ng/ul

RT: 16.94 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BN012985.D

Acq: 08 Dec 2020 20:53

Instrument :

BNA_N

ClientSampleId :

C0AZ3DL

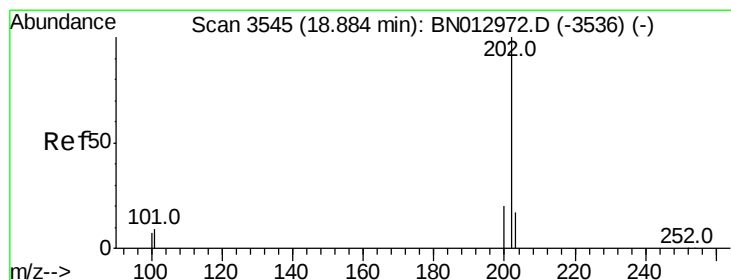
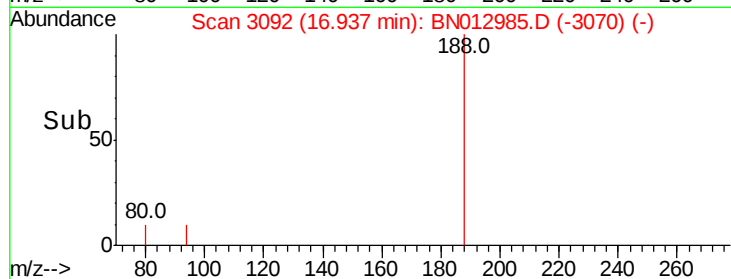
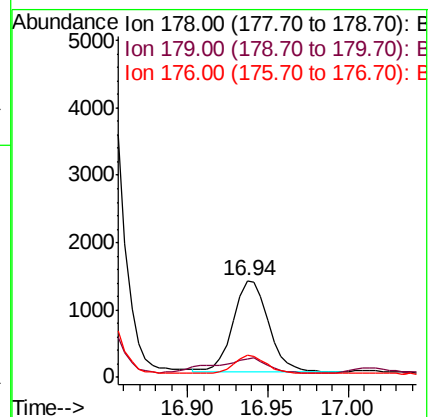
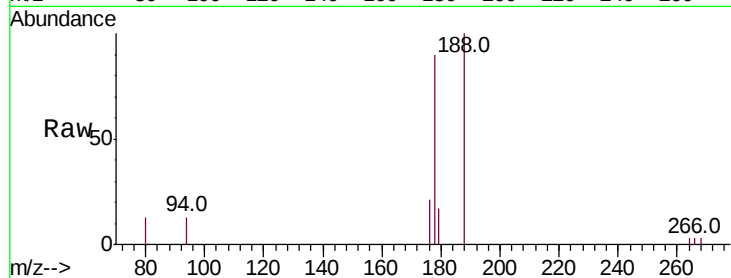
Tot Ion:178 Resp: 2069

Ion Ratio Lower Upper

178 100

179 19.3 14.6 21.8

176 23.1 17.1 25.7



#15

Fluoranthene

Concen: 0.783 ng/ul

RT: 18.88 min Scan# 3544

Delta R.T. -0.00 min

Lab File: BN012985.D

Acq: 08 Dec 2020 20:53

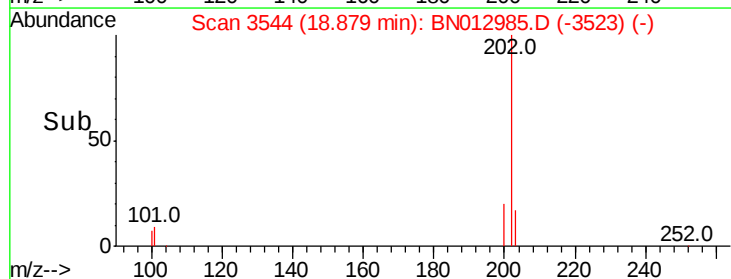
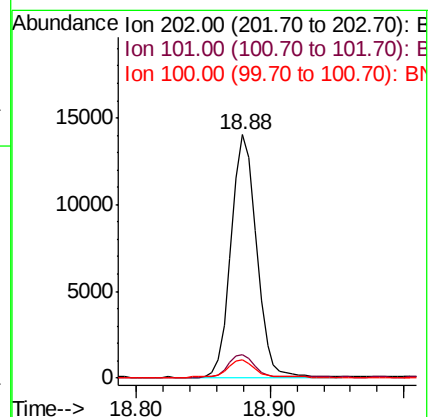
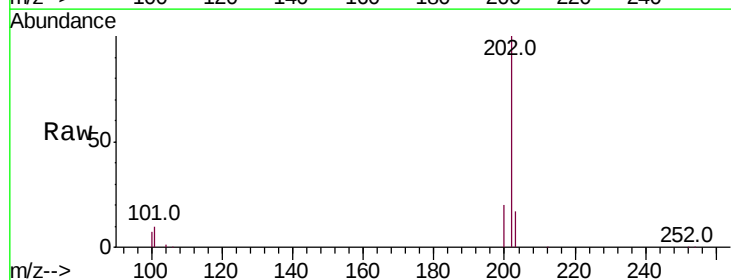
Tgt Ion:202 Resp: 18421

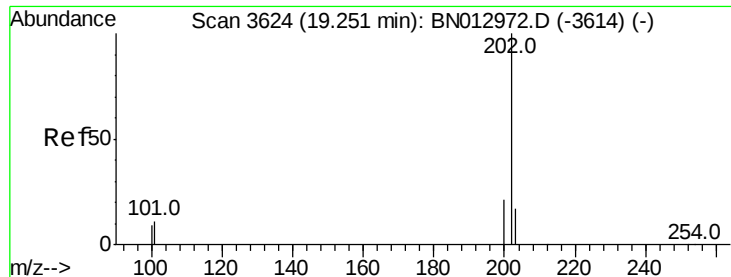
Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.6

100 7.5 0.0 28.7

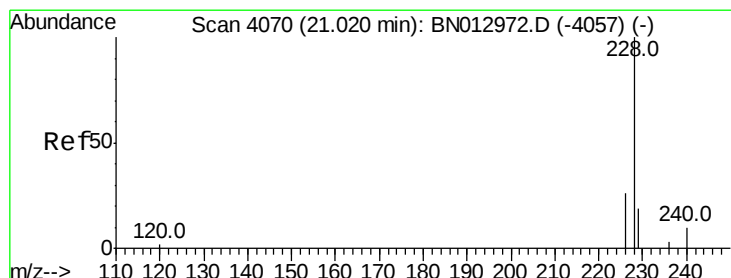
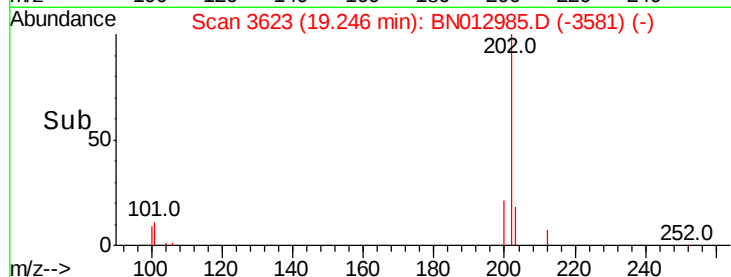
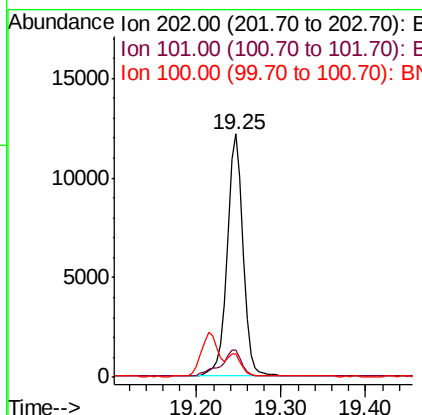
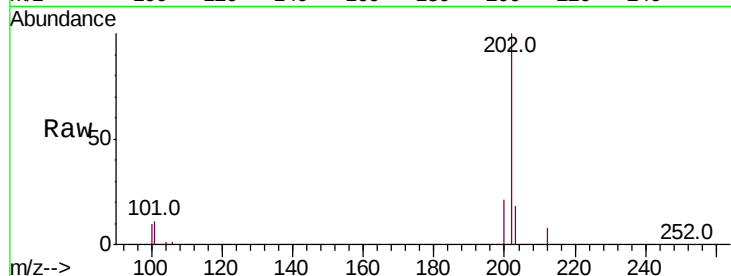




#17
Pvrene
Concen: 0.818 ng/ul
RT: 19.25 min Scan# 3623
Delta R.T. -0.00 min
Lab File: BN012985.D
Acq: 08 Dec 2020 20:53

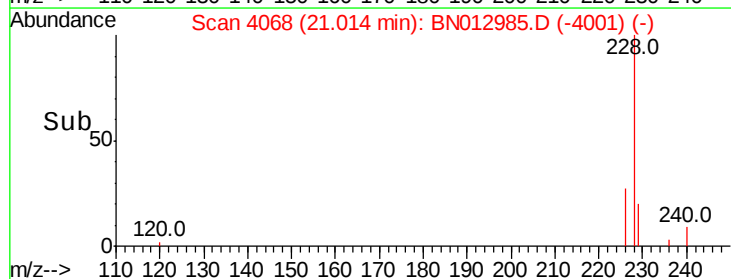
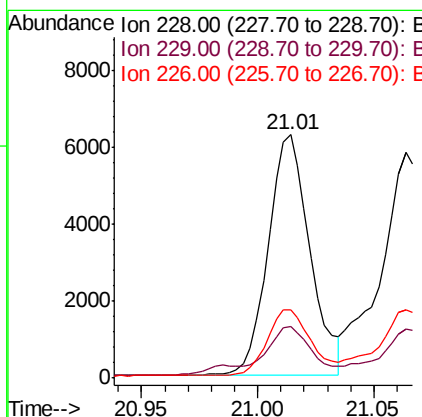
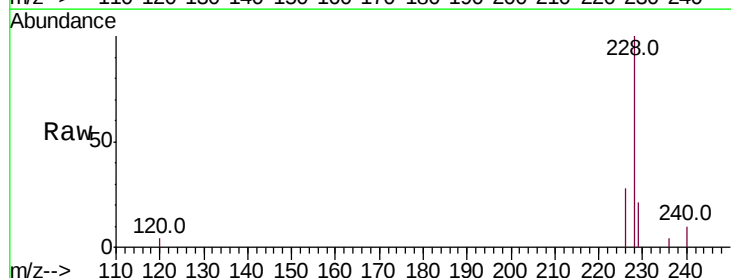
Instrument :
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C0AZ3DL

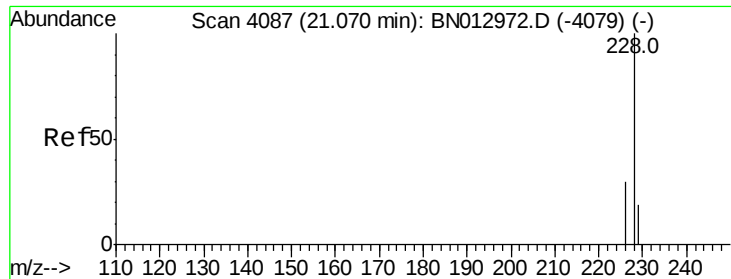
Tot Ion:202 Resp: 16229
Ion Ratio Lower Upper
202 100
101 11.0 9.1 13.7
100 9.6 7.5 11.3



#18
Benzo(a)anthracene
Concen: 0.449 ng/ul
RT: 21.01 min Scan# 4068
Delta R.T. -0.01 min
Lab File: BN012985.D
Acq: 08 Dec 2020 20:53

Tgt Ion:228 Resp: 7806
Ion Ratio Lower Upper
228 100
229 21.3 16.3 24.5
226 28.2 23.4 35.2





#19

Chrysene

Concen: 0.447 ng/ul

RT: 21.06 min Scan# 4085

Delta R.T. -0.01 min

Lab File: BN012985.D

Acq: 08 Dec 2020 20:53

Instrument :

BNA_N

ClientSampleId :

C0AZ3DL

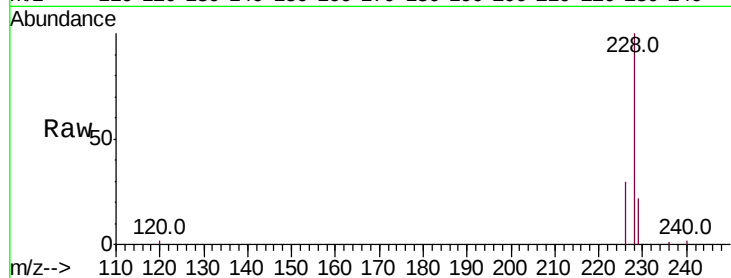
Tot Ion:228 Resp: 8583

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

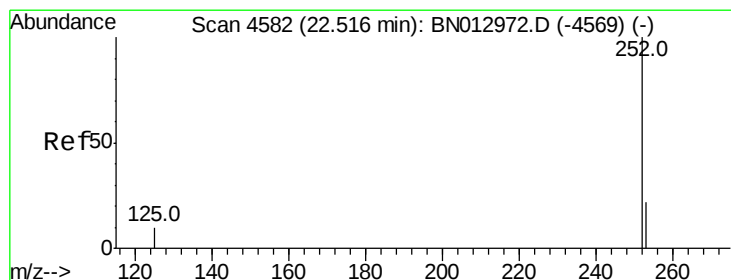
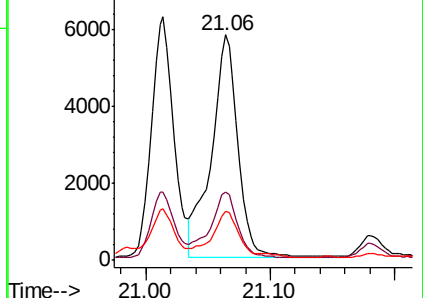
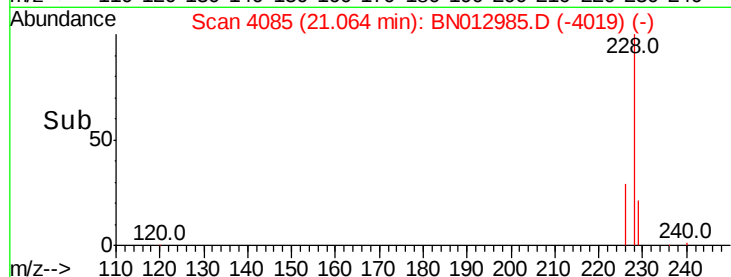
229 21.7 16.4 24.6



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: 0.852 ng/ul

RT: 22.51 min Scan# 4580

Delta R.T. -0.01 min

Lab File: BN012985.D

Acq: 08 Dec 2020 20:53

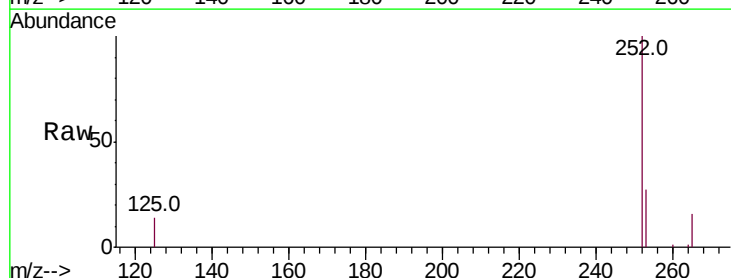
Tgt Ion:252 Resp: 15327

Ion Ratio Lower Upper

252 100

253 26.5 0.0 59.6

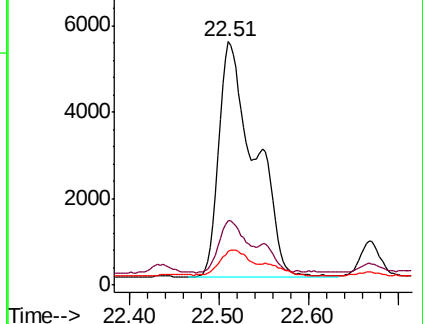
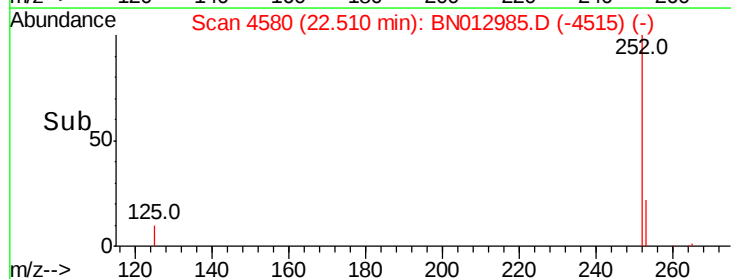
125 13.8 0.0 26.0

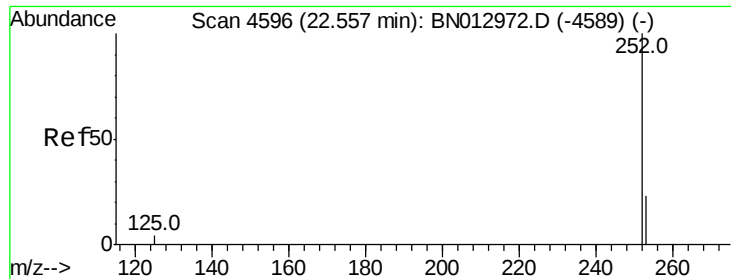


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.771 ng/ul

RT: 22.51 min Scan# 4580

Delta R.T. -0.05 min

Lab File: BN012985.D

Acq: 08 Dec 2020 20:53

Instrument :

BNA_N

ClientSampleId :

C0AZ3DL

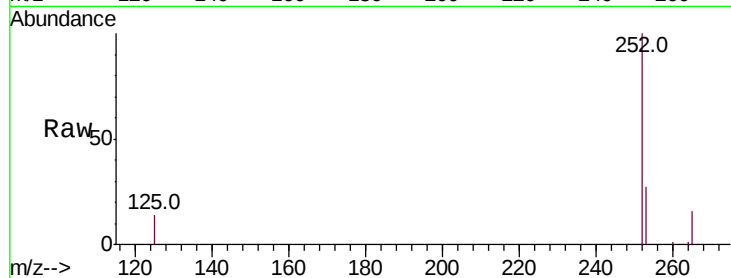
Tot Ion:252 Resp: 15327

Ion Ratio Lower Upper

252 100

253 26.5 23.4 35.2

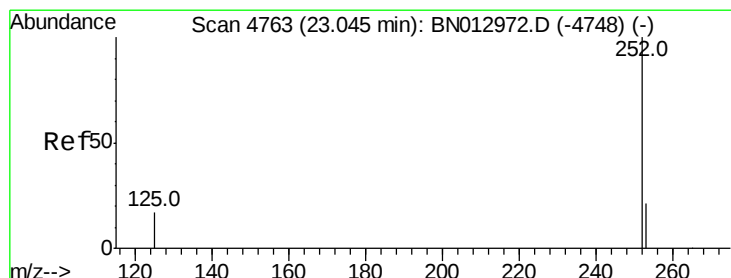
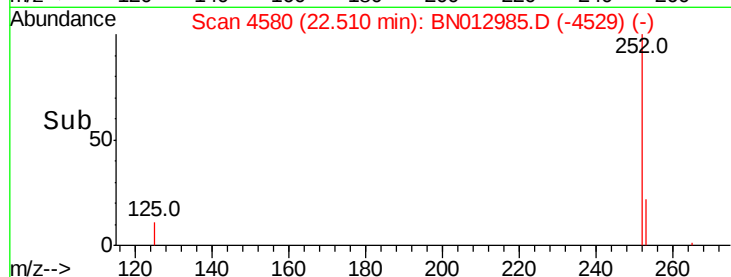
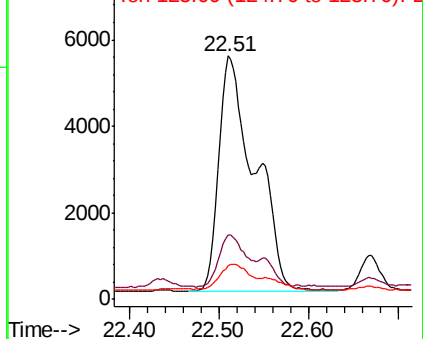
125 13.8 11.1 16.7



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: 0.437 ng/ul

RT: 23.04 min Scan# 4760

Delta R.T. -0.01 min

Lab File: BN012985.D

Acq: 08 Dec 2020 20:53

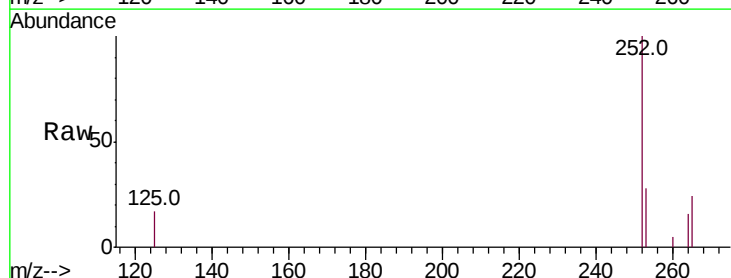
Tgt Ion:252 Resp: 7293

Ion Ratio Lower Upper

252 100

253 28.4 26.5 39.7

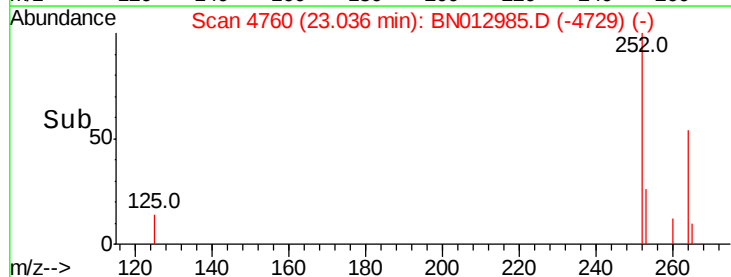
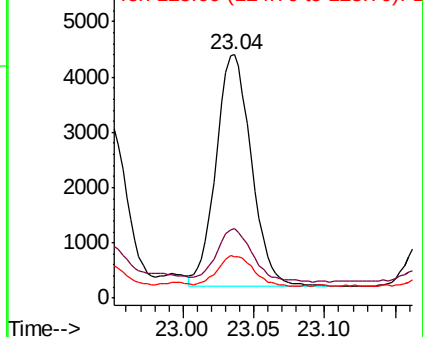
125 17.2 14.2 21.2

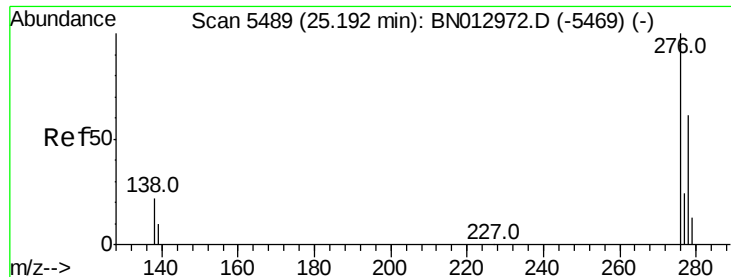


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



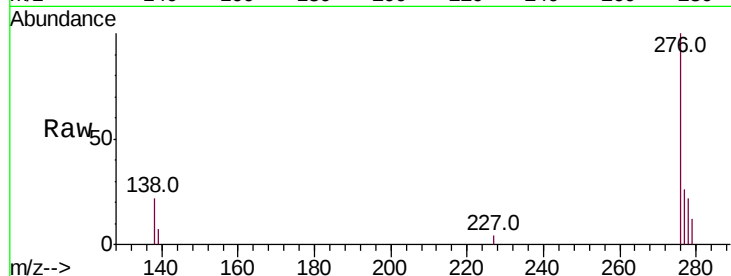


#24

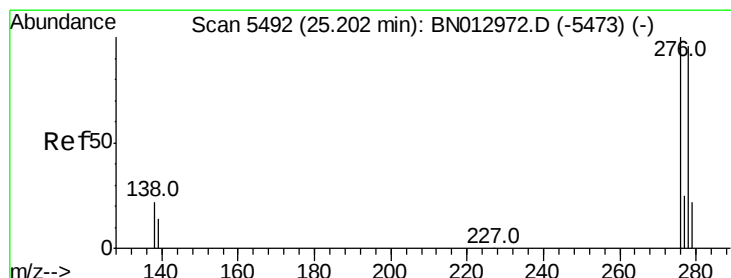
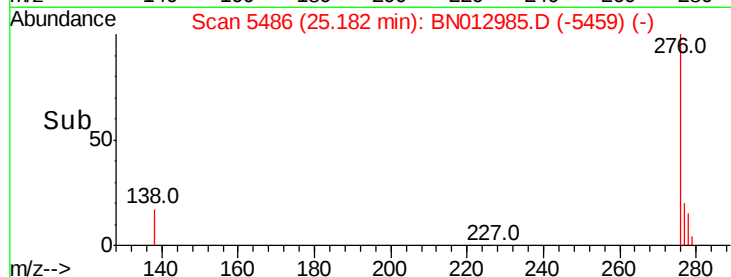
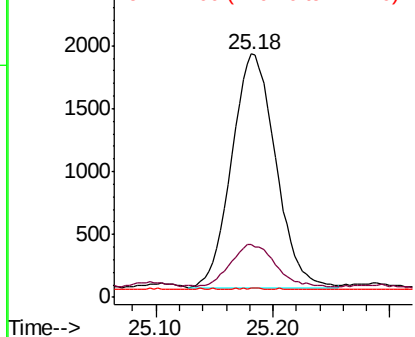
Indeno(1,2,3-cd)pyrene
Concen: 0.220 ng/u1
RT: 25.18 min Scan# 5486
Delta R.T. -0.01 min
Lab File: BN012985.D
Acq: 08 Dec 2020 20:53

Instrument :
BNA_N
ClientSampleId :
C0AZ3DL

Tot Ion:276 Resp: 4823
Ion Ratio Lower Upper
276 100
138 18.2 16.2 24.2
227 0.1 0.0 0.0#



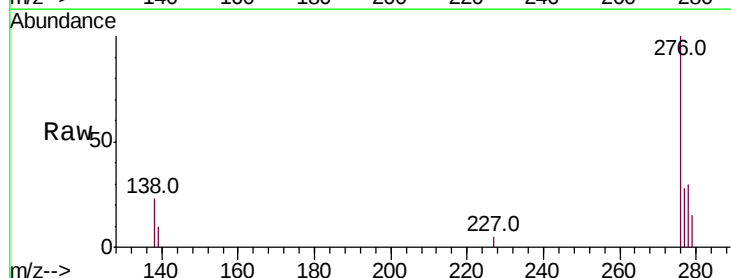
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



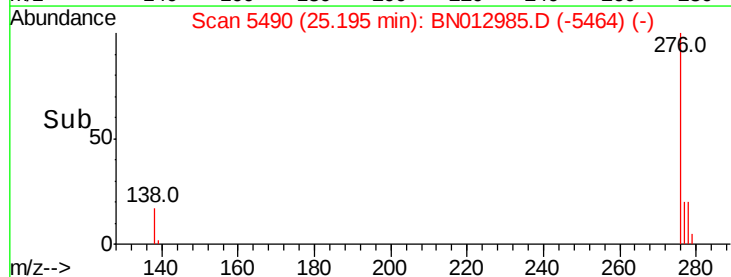
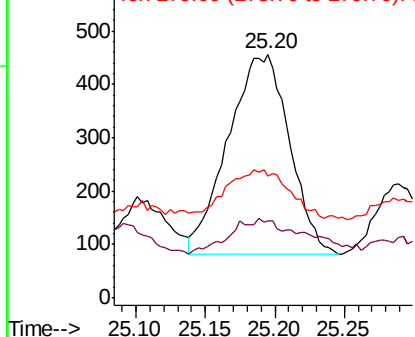
#25

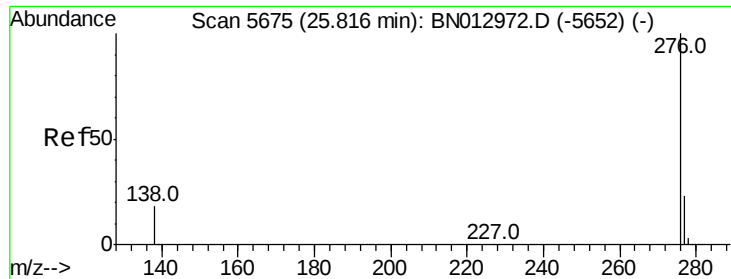
Dibenzo(a,h)anthracene
Concen: 0.066 ng/u1
RT: 25.20 min Scan# 5490
Delta R.T. -0.01 min
Lab File: BN012985.D
Acq: 08 Dec 2020 20:53

Tgt Ion:278 Resp: 1146
Ion Ratio Lower Upper
278 100
139 31.6 14.5 21.7#
279 49.8 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: 0.238 ng/ul

RT: 25.81 min Scan# 5673

Delta R.T. -0.01 min

Lab File: BN012985.D

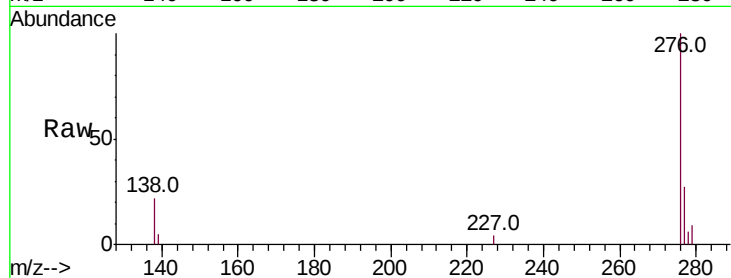
Acq: 08 Dec 2020 20:53

Instrument :

BNA_N

ClientSampleId :

C0AZ3DL



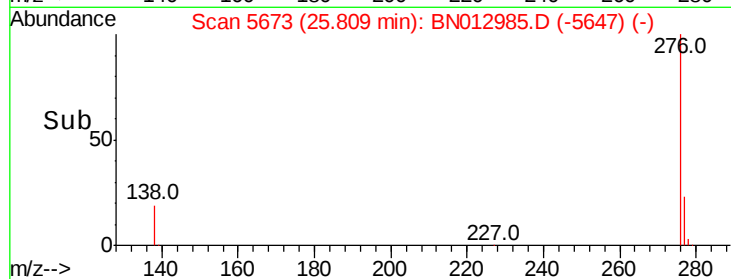
Tot Ion:276 Resp: 4716

Ion Ratio Lower Upper

276 100

138 22.5 16.3 24.5

277 27.0 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

