

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
 Data File : BN012794.D
 Acq On : 01 Dec 2020 22:28
 Operator : CG/JU
 Sample : L4793-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BA2

Quant Time: Dec 02 00:57:20 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 : Wed Dec 02 00:53:21 2020
 Response via : Initial Calibration

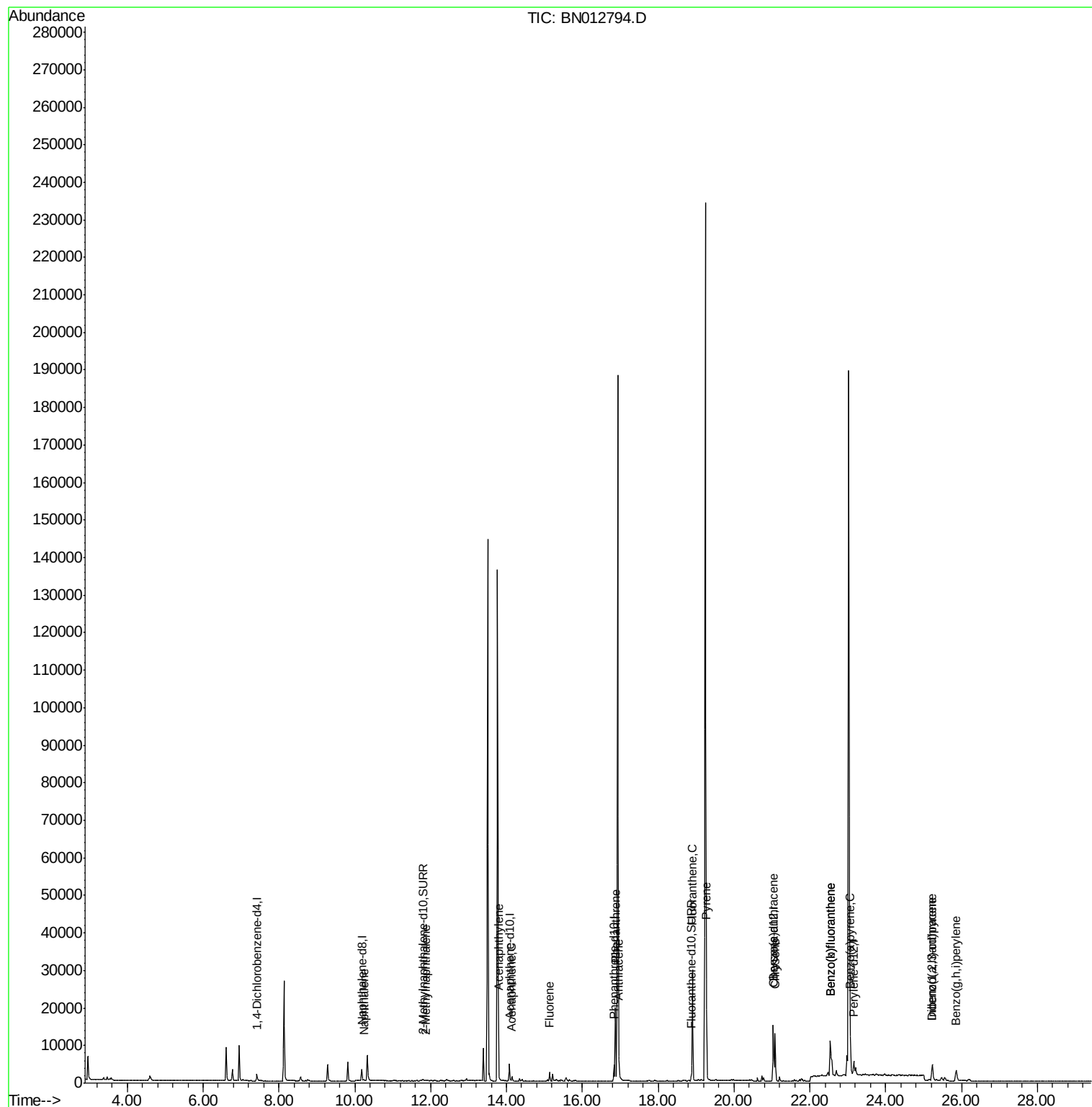
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	983	0.40	ng/ul	0.00
2) Naphthalene-d8	10.18	136	3973	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.08	164	2380	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.83	188	5115	0.40	ng/ul	0.00
16) Chrysene-d12	21.05	240	4459	0.40	ng/ul	0.00
20) Perylene-d12	23.16	264	4460	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.79	152	822	0.14	ng/ul	0.00
14) Fluoranthene-d10	18.87	212	2095	0.16	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.23	128	313	0.026	ng/ul#	60
5) 2-Methylnaphthalene	11.87	142	182	0.024	ng/ul	96
7) Acenaphthylene	13.80	152	567	0.049	ng/ul#	82
8) Acenaphthene	14.14	153	710	0.073	ng/ul	97
9) Fluorene	15.14	166	1407	0.131	ng/ul	99
12) Phenanthrene	16.87	178	20292	1.140	ng/ul	97
13) Anthracene	16.97	178	3740	0.242	ng/ul	98
15) Fluoranthene	18.91	202	25708	1.251	ng/ul	97
17) Pyrene	19.27	202	21830	1.094	ng/ul	99
18) Benzo(a)anthracene	21.04	228	12172	0.762	ng/ul	99
19) Chrysene	21.09	228	11982	0.600	ng/ul	98
21) Benzo(b)fluoranthene	22.54	252	20257	0.987	ng/ul	95
22) Benzo(k)fluoranthene	22.54	252	20257	0.856	ng/ul	96
23) Benzo(a)pyrene	23.07	252	10000	0.518	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.23	276	6291	0.249	ng/ul	97
25) Dibenzo(a,h)anthracene	25.24	278	1808	0.089	ng/ul#	82
26) Benzo(a,h,i)perylene	25.86	276	5730	0.252	ng/ul	98

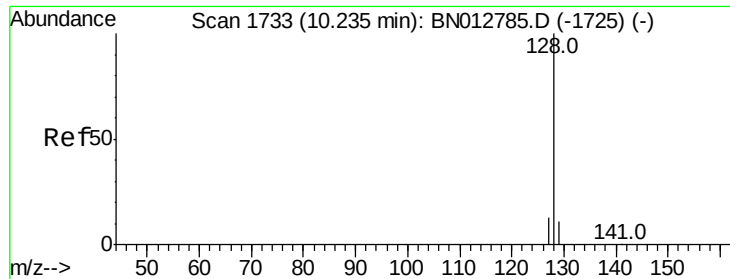
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 02 00:57:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#3

Naphthalene

Concen: 0.026 ng/ul

RT: 10.23 min Scan# 1732

Delta R.T. -0.01 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

Instrument :

BNA_N

ClientSampleId :

C0BA2

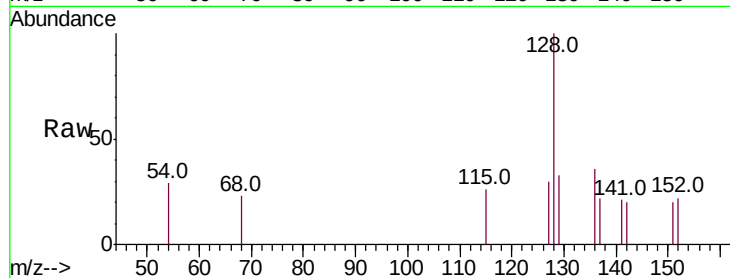
Tot Ion:128 Resp: 313

Ion Ratio Lower Upper

128 100

129 32.8 11.2 16.8#

127 29.8 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

10.23

250

200

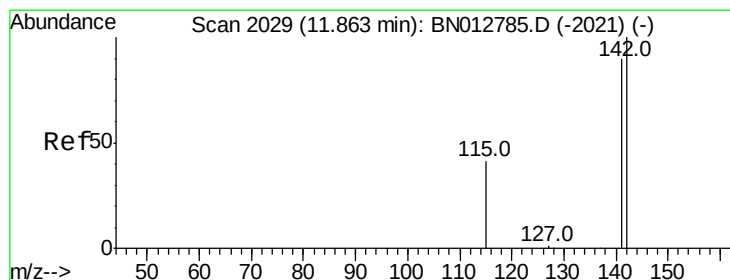
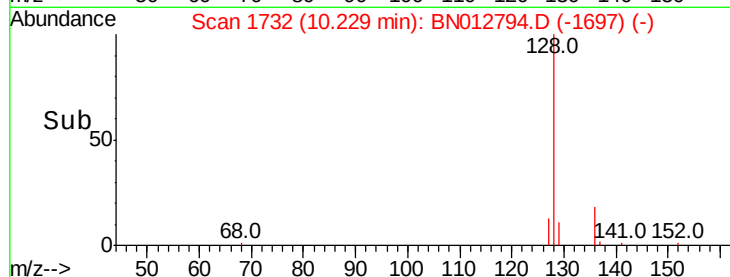
150

100

50

0

Time--> 10.15 10.20 10.25 10.30



#5

2-Methylnaphthalene

Concen: 0.024 ng/ul

RT: 11.87 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BN012794.D

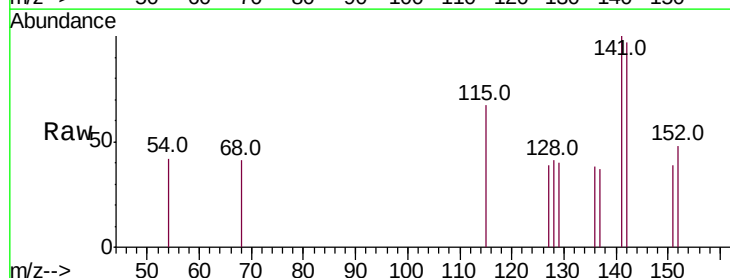
Acq: 01 Dec 2020 22:28

Tgt Ion:142 Resp: 182

Ion Ratio Lower Upper

142 100

141 94.5 72.3 108.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

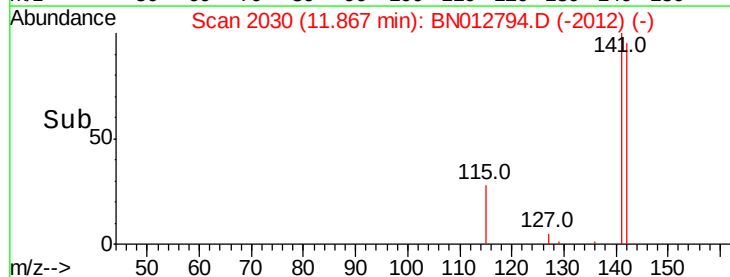
150

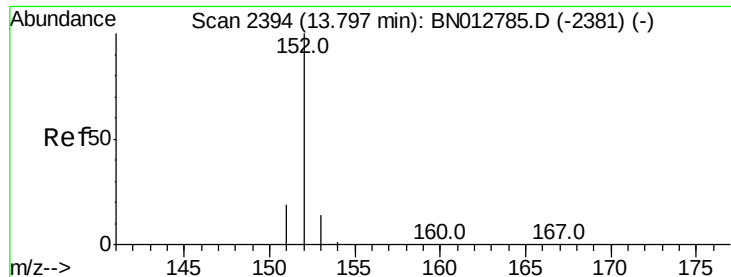
100

50

0

Time--> 11.80 11.90 12.00





#7

Acenaphthylene

Concen: 0.049 ng/ul

RT: 13.80 min Scan# 2394

Delta R.T. -0.00 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

Instrument :

BNA_N

ClientSampleId :

C0BA2

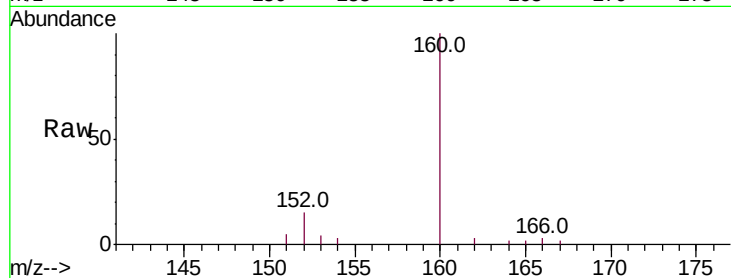
Tot Ion:152 Resp: 567

Ion Ratio Lower Upper

152 100

151 29.8 17.1 25.7#

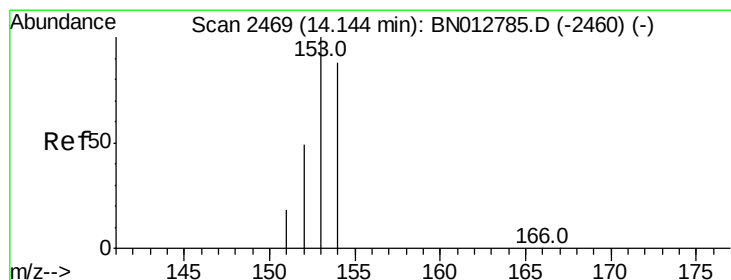
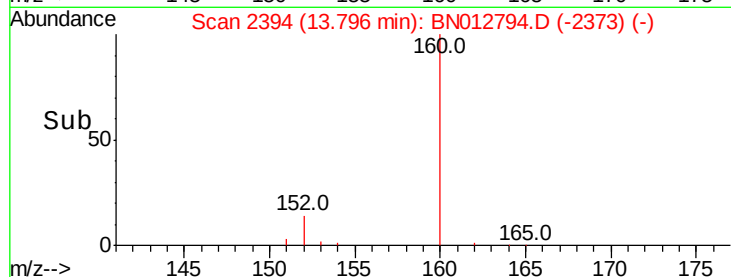
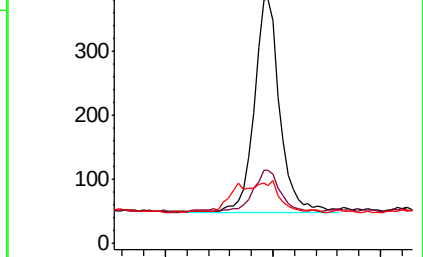
153 23.6 12.6 19.0#



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: 0.073 ng/ul

RT: 14.14 min Scan# 2469

Delta R.T. -0.00 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

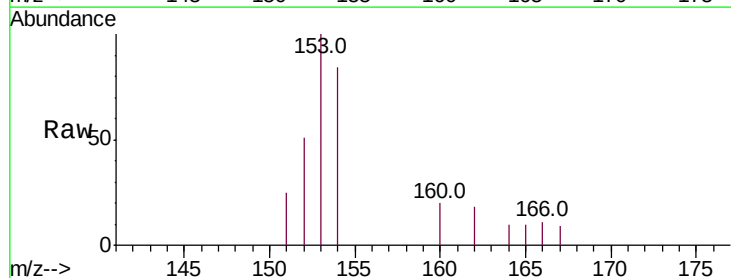
Tgt Ion:153 Resp: 710

Ion Ratio Lower Upper

153 100

152 50.8 41.4 62.0

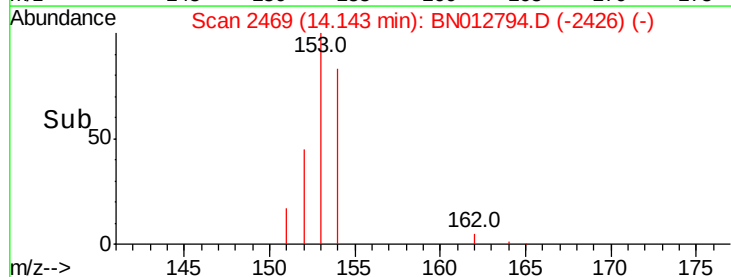
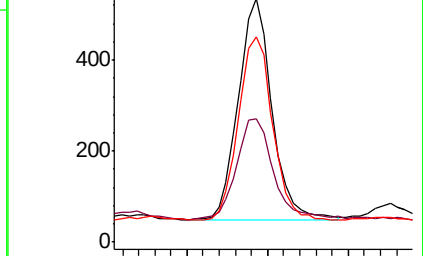
154 84.5 70.9 106.3

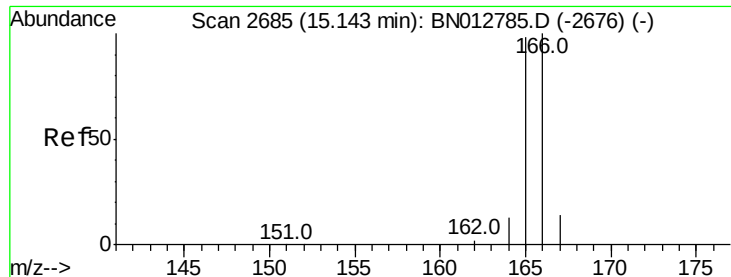


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.131 ng/ul

RT: 15.14 min Scan# 2684

Delta R.T. -0.01 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

Instrument :

BNA_N

ClientSampleId :

C0BA2

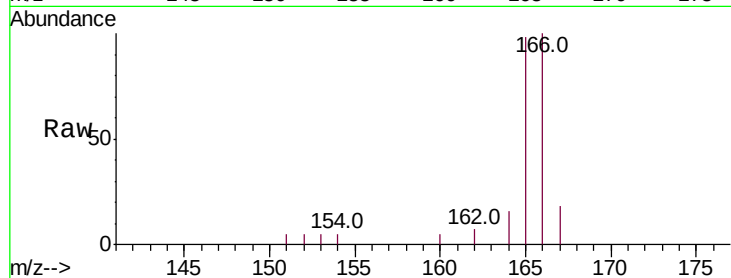
Tot Ion:166 Resp: 1407

Ion Ratio Lower Upper

166 100

165 98.4 78.5 117.7

167 17.8 12.7 19.1

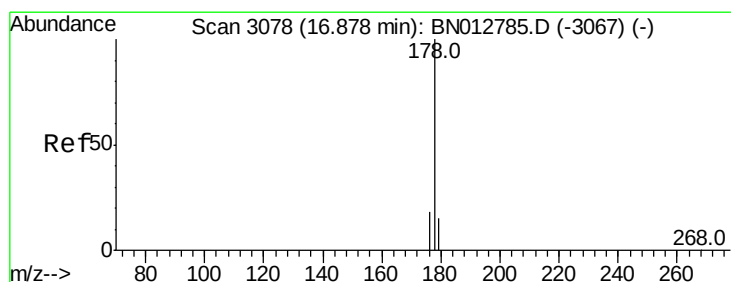
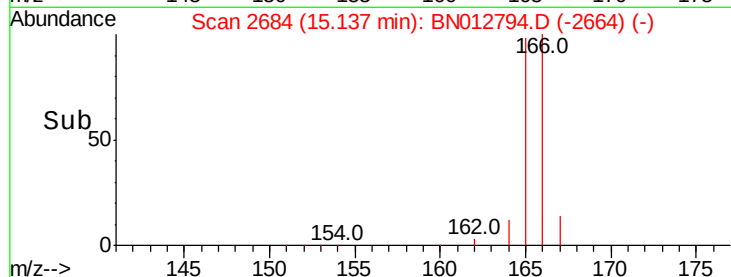
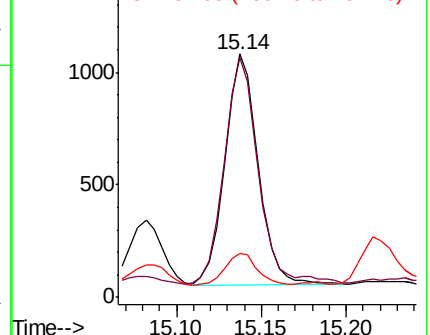


Abundance

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: 1.140 ng/ul

RT: 16.87 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

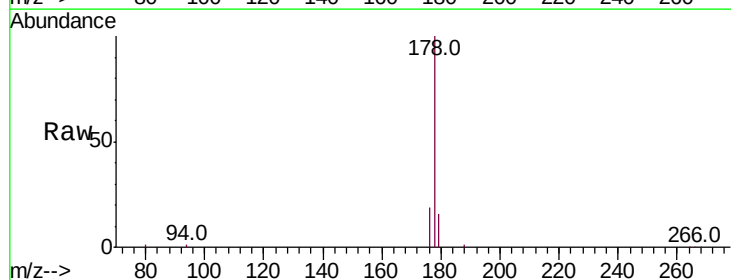
Tgt Ion:178 Resp: 20292

Ion Ratio Lower Upper

178 100

179 15.7 13.8 20.6

176 19.3 16.7 25.1

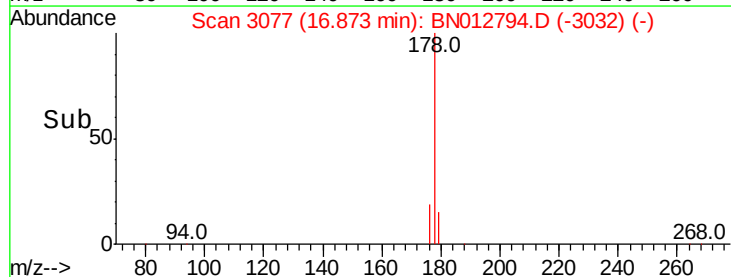
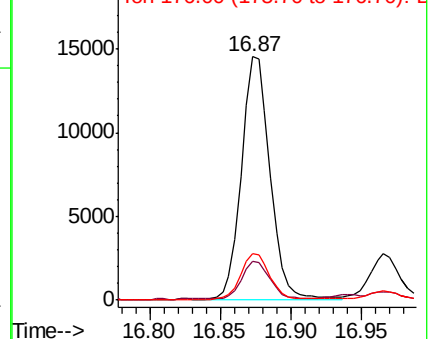


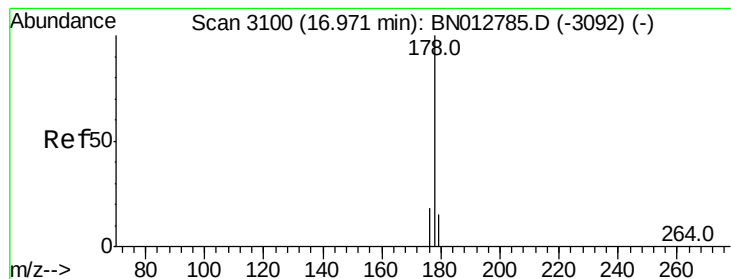
Abundance

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: 0.242 ng/ul

RT: 16.97 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

Instrument :

BNA_N

ClientSampleId :

C0BA2

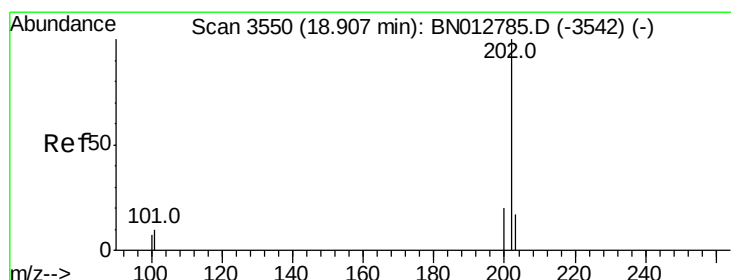
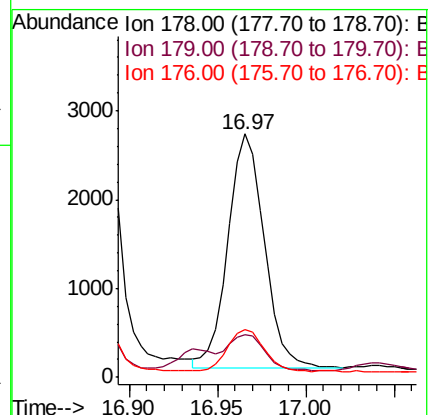
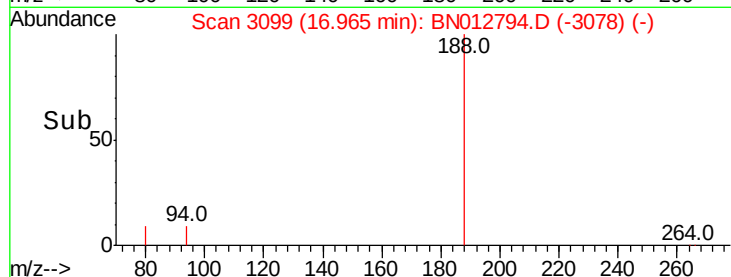
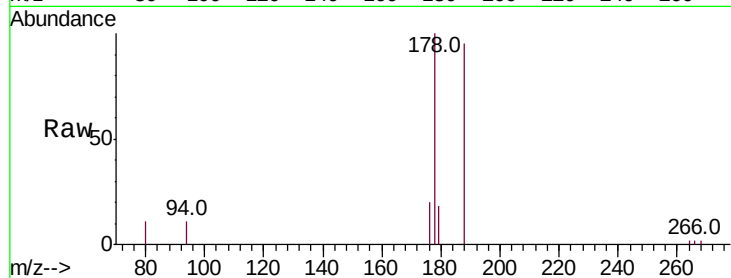
Tot Ion:178 Resp: 3740

Ion Ratio Lower Upper

178 100

179 17.7 14.8 22.2

176 19.8 16.3 24.5



#15

Fluoranthene

Concen: 1.251 ng/ul

RT: 18.91 min Scan# 3550

Delta R.T. -0.01 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

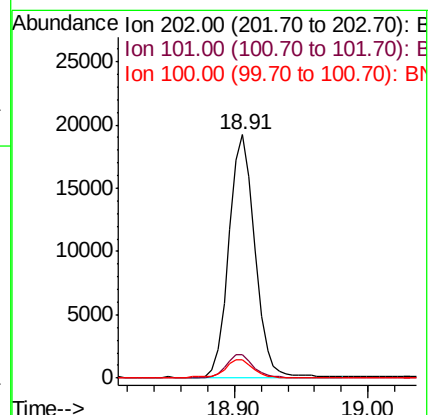
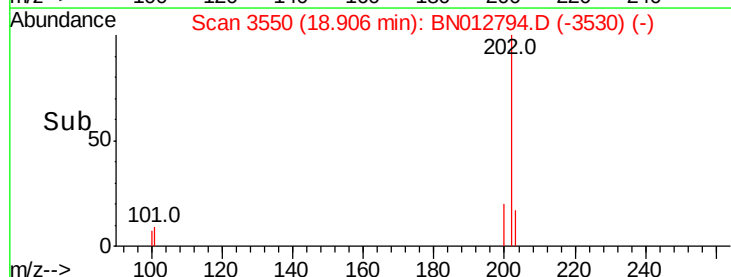
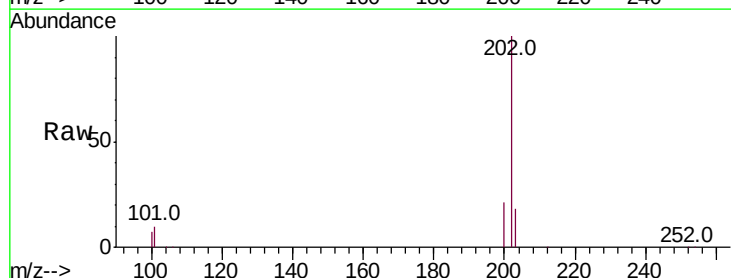
Tgt Ion:202 Resp: 25708

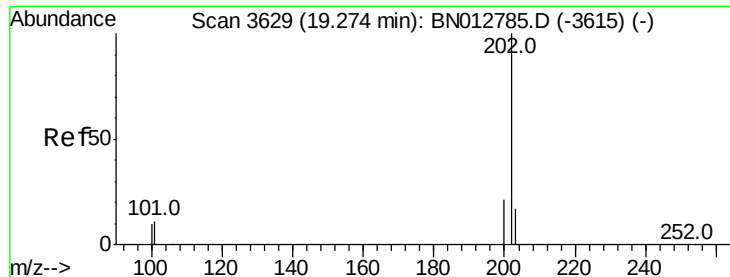
Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.5

100 7.3 0.0 28.4

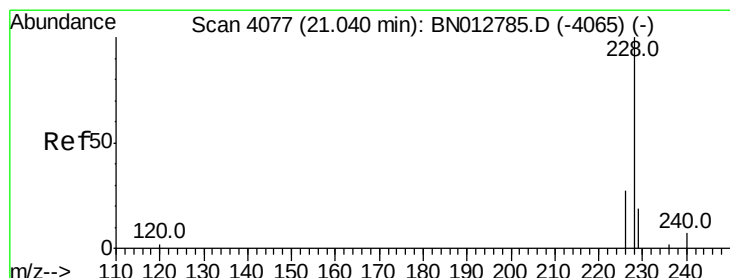
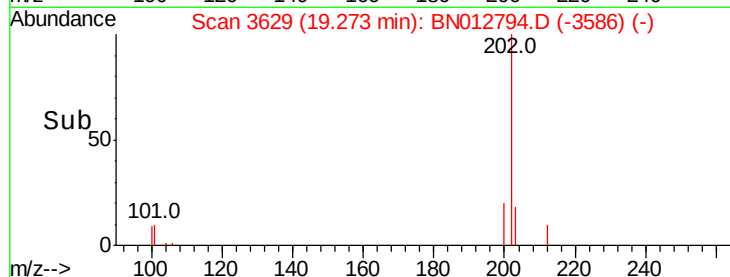
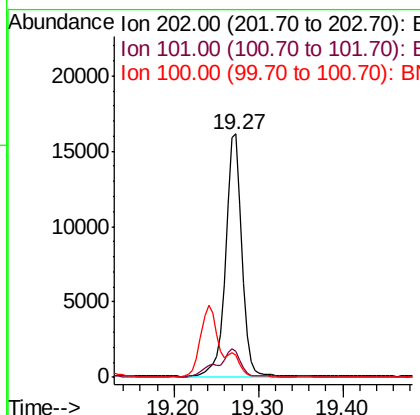
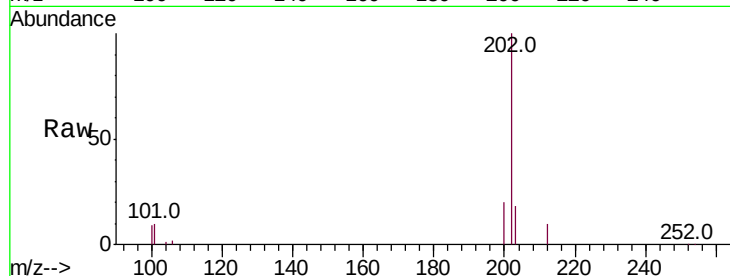




#17
Pvrene
Concen: 1.094 ng/ul
RT: 19.27 min Scan# 3629
Delta R.T. -0.00 min
Lab File: BN012794.D
Acq: 01 Dec 2020 22:28

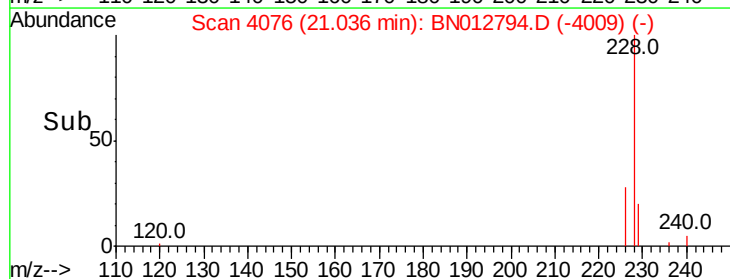
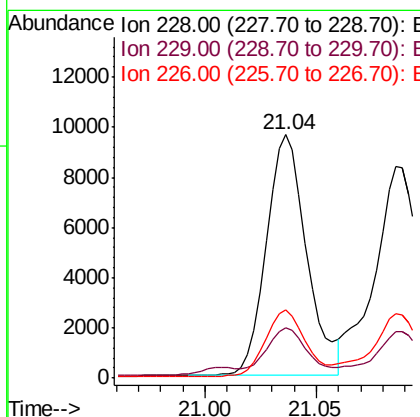
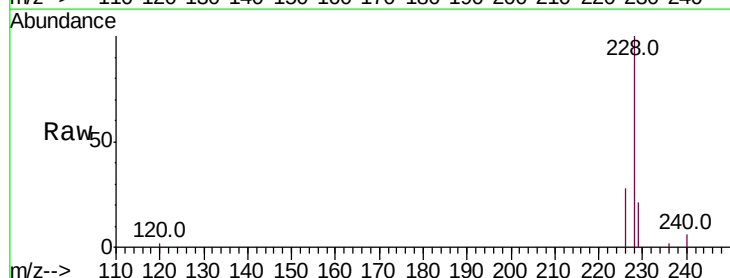
Instrument :
BNA_N
ClientSampleId :
C0BA2

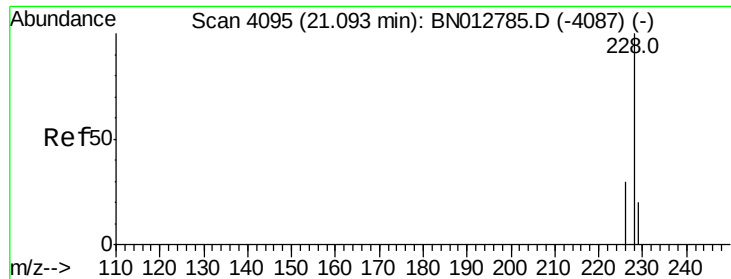
Tot Ion:202 Resp: 21830
Ion Ratio Lower Upper
202 100
101 10.5 8.9 13.3
100 9.0 7.4 11.2



#18
Benzo(a)anthracene
Concen: 0.762 ng/ul
RT: 21.04 min Scan# 4076
Delta R.T. -0.00 min
Lab File: BN012794.D
Acq: 01 Dec 2020 22:28

Tgt Ion:228 Resp: 12172
Ion Ratio Lower Upper
228 100
229 20.9 16.9 25.3
226 28.1 23.1 34.7





#19

Chrysene

Concen: 0.600 ng/ul

RT: 21.09 min Scan# 4093

Delta R.T. -0.01 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

Instrument :

BNA_N

ClientSampleId :

C0BA2

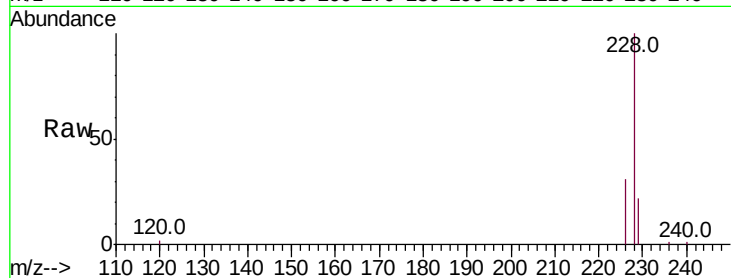
Tot Ion:228 Resp: 11982

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

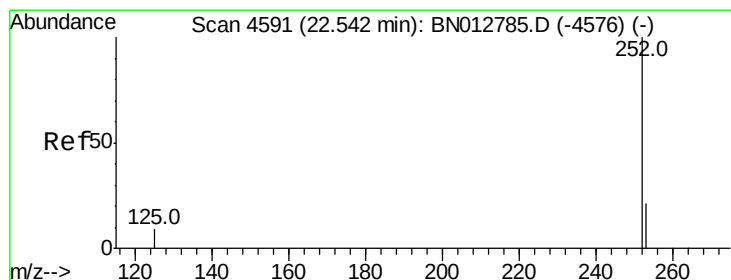
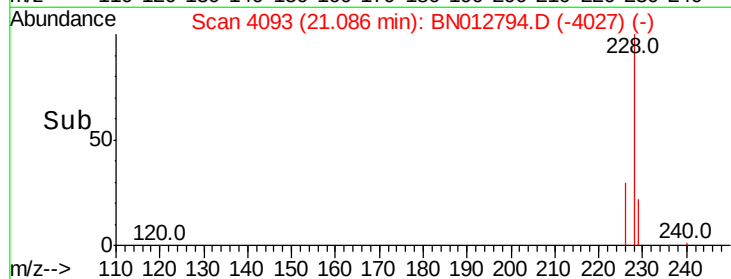
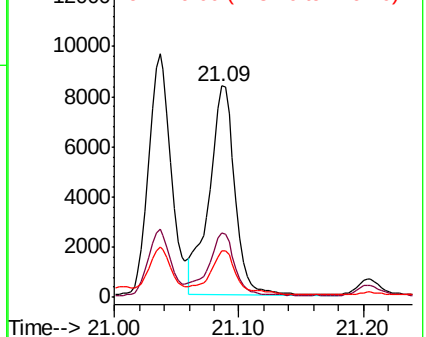
229 22.2 16.1 24.1



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: 0.987 ng/ul

RT: 22.54 min Scan# 4590

Delta R.T. -0.00 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

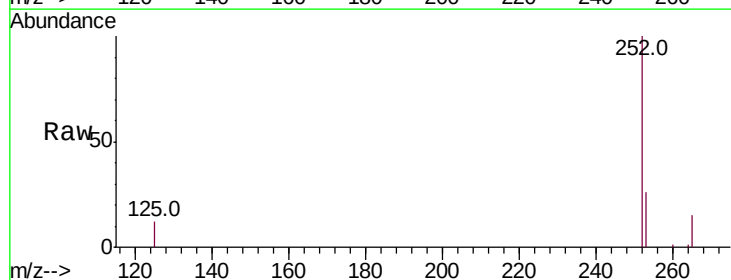
Tgt Ion:252 Resp: 20257

Ion Ratio Lower Upper

252 100

253 26.1 0.0 58.4

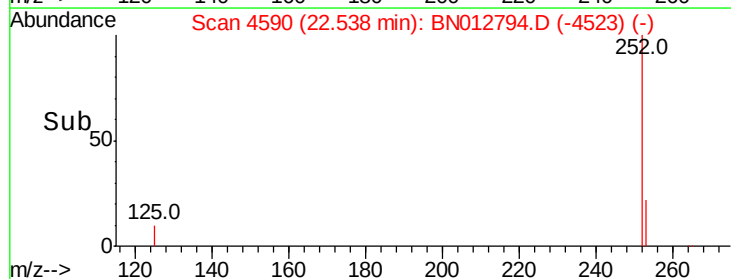
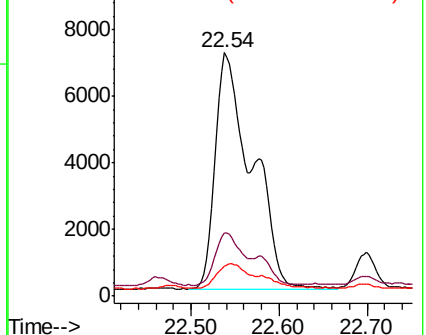
125 12.3 0.0 28.6

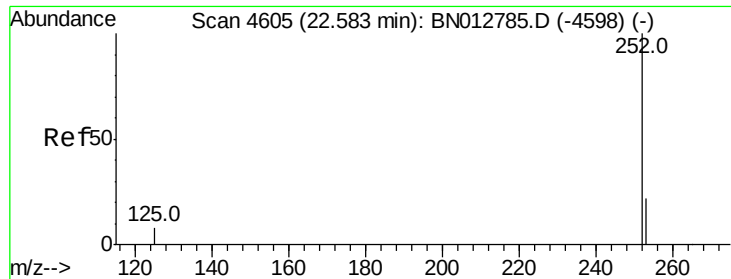


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.856 ng/ul

RT: 22.54 min Scan# 4590

Delta R.T. -0.05 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

Instrument :

BNA_N

ClientSampleId :

C0BA2

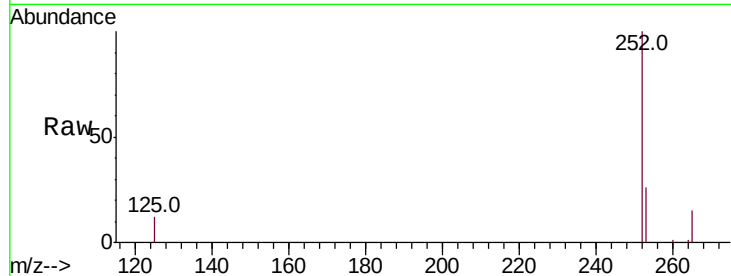
Tot Ion:252 Resp: 20257

Ion Ratio Lower Upper

252 100

253 26.1 23.4 35.2

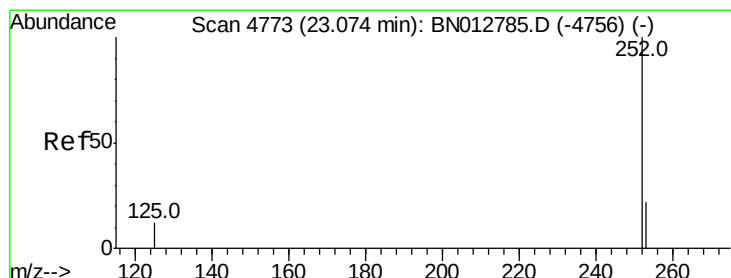
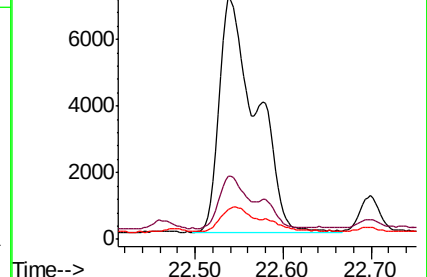
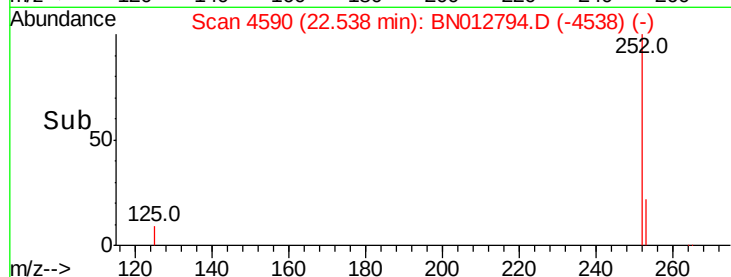
125 12.3 10.2 15.2



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: 0.518 ng/ul

RT: 23.07 min Scan# 4772

Delta R.T. -0.01 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

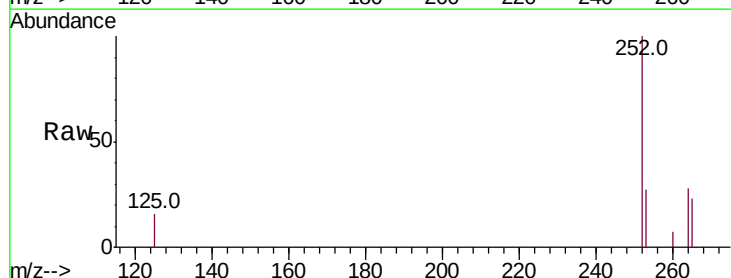
Tgt Ion:252 Resp: 10000

Ion Ratio Lower Upper

252 100

253 26.6 27.6 41.4#

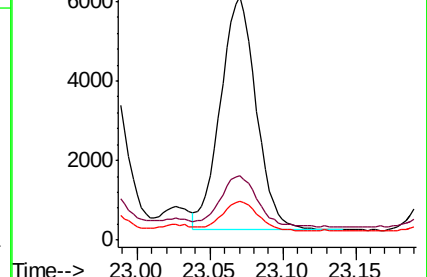
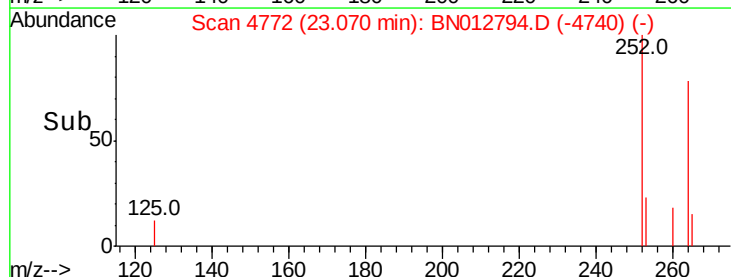
125 15.7 17.0 25.4#

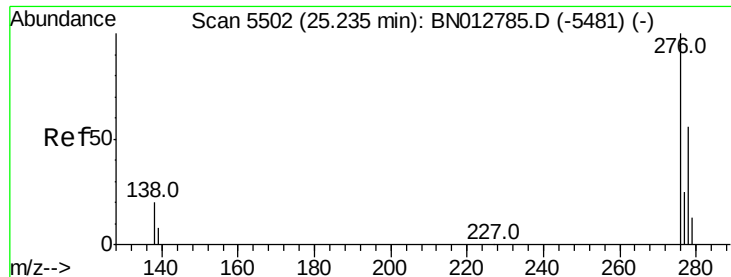


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



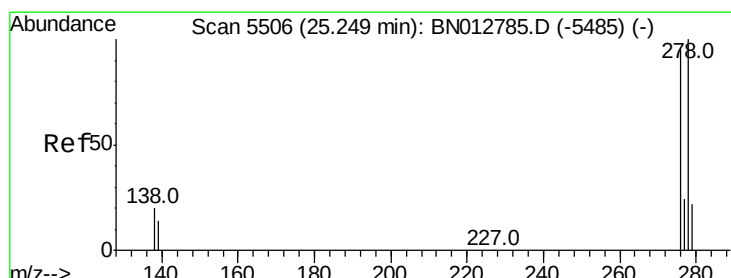
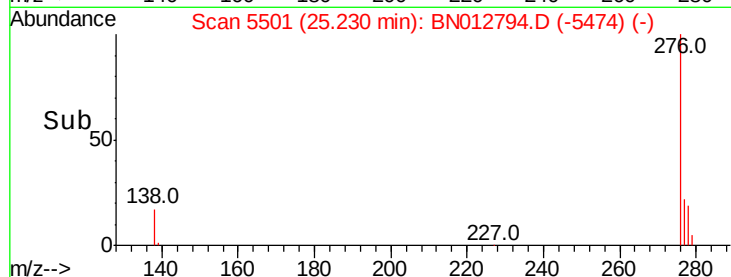
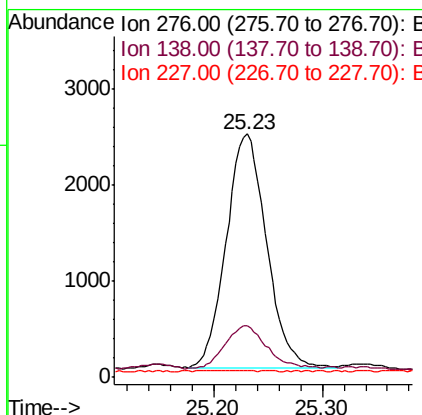
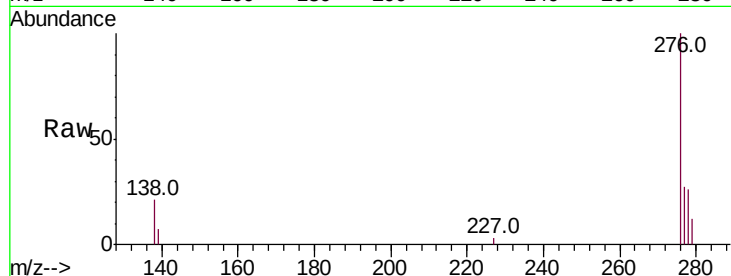


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.249 ng/ul
RT: 25.23 min Scan# 5501
Delta R.T. -0.01 min
Lab File: BN012794.D
Acq: 01 Dec 2020 22:28

Instrument :
BNA_N
ClientSampleId :
C0BA2

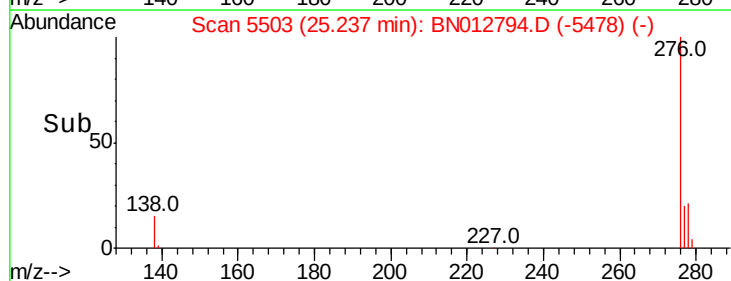
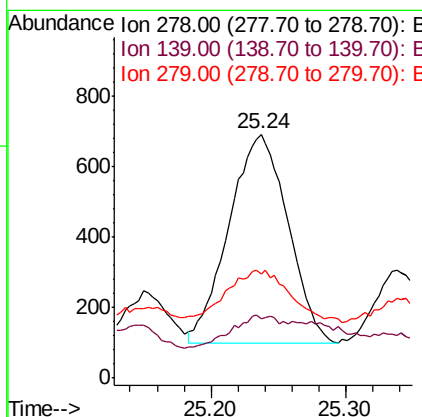
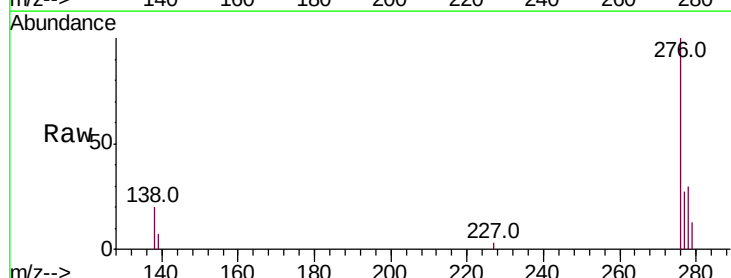
Tot Ion:276 Resp: 6291
Ion Ratio Lower Upper
276 100
138 19.3 16.5 24.7
227 0.1 0.1 0.1

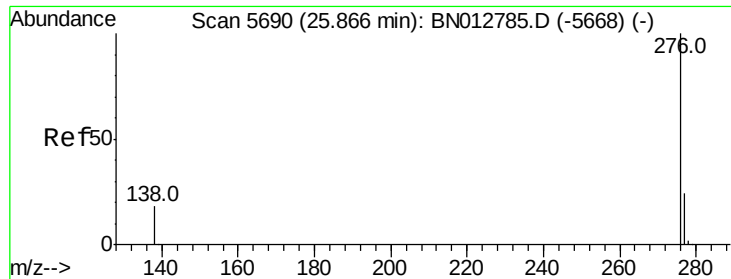


#25

Dibenzo(a,h)anthracene
Concen: 0.089 ng/ul
RT: 25.24 min Scan# 5503
Delta R.T. -0.01 min
Lab File: BN012794.D
Acq: 01 Dec 2020 22:28

Tgt Ion:278 Resp: 1808
Ion Ratio Lower Upper
278 100
139 24.2 13.8 20.8#
279 42.7 25.6 38.4#





#26

Benzo(a,h,i)perylene

Concen: 0.252 ng/ul

RT: 25.86 min Scan# 5690

Delta R.T. -0.00 min

Lab File: BN012794.D

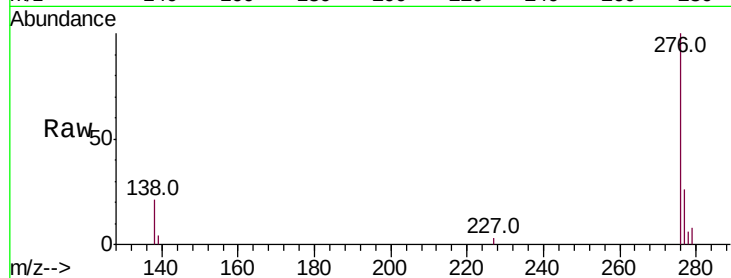
Acq: 01 Dec 2020 22:28

Instrument :

BNA_N

ClientSampleId :

C0BA2



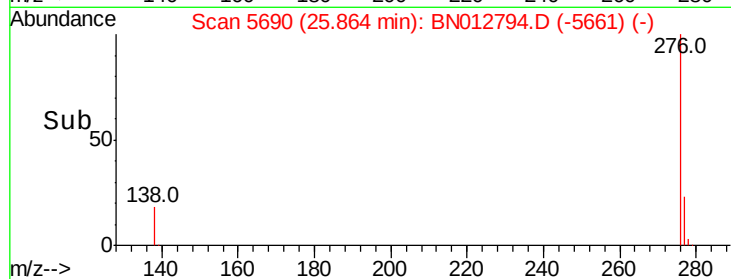
Tot Ion:276 Resp: 5730

Ion Ratio Lower Upper

276 100

138 20.9 16.3 24.5

277 26.1 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

