

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
 Data File : BN012788.D
 Acq On : 01 Dec 2020 18:52
 Operator : CG/JU
 Sample : L4793-22
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BG7

Quant Time: Dec 02 00:56:46 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	999	0.40	ng/ul	0.00
2) Naphthalene-d8	10.18	136	4227	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.08	164	2419	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.84	188	5080	0.40	ng/ul	0.00
16) Chrysene-d12	21.05	240	4293	0.40	ng/ul	0.00
20) Perylene-d12	23.16	264	4476	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.79	152	806	0.13	ng/ul	0.00
14) Fluoranthene-d10	18.87	212	1914	0.14	ng/ul	0.00

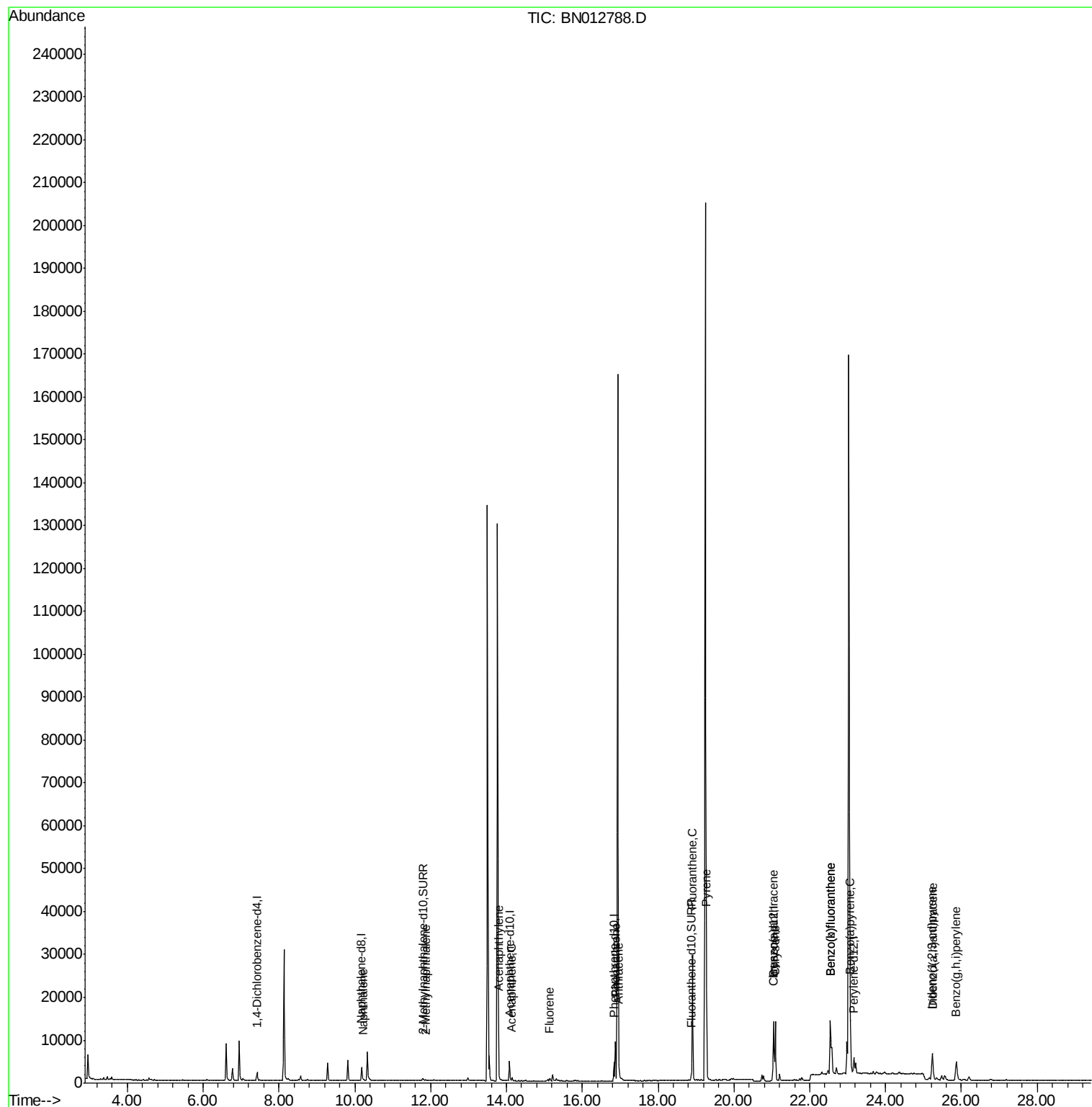
Target Compounds				Ovalue		
3) Naphthalene	10.23	128	291	0.023	ng/ul#	58
5) 2-Methylnaphthalene	11.86	142	163	0.020	ng/ul	96
7) Acenaphthylene	13.80	152	432	0.037	ng/ul#	73
8) Acenaphthene	14.14	153	472	0.047	ng/ul	96
9) Fluorene	15.14	166	399	0.037	ng/ul#	94
12) Phenanthrene	16.87	178	9426	0.533	ng/ul	97
13) Anthracene	16.97	178	1554	0.101	ng/ul	96
15) Fluoranthene	18.91	202	24963	1.223	ng/ul	98
17) Pyrene	19.27	202	22809	1.188	ng/ul	99
18) Benzo(a)anthracene	21.04	228	10987	0.714	ng/ul	98
19) Chrysene	21.09	228	13592	0.707	ng/ul	99
21) Benzo(b)fluoranthene	22.54	252	26722	1.298	ng/ul	93
22) Benzo(k)fluoranthene	22.54	252	26722	1.125	ng/ul	94
23) Benzo(a)pyrene	23.07	252	12545	0.647	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.23	276	9453	0.373	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.24	278	2277	0.112	ng/ul#	83
26) Benzo(a,h,i)perylene	25.87	276	8879	0.389	ng/ul	97

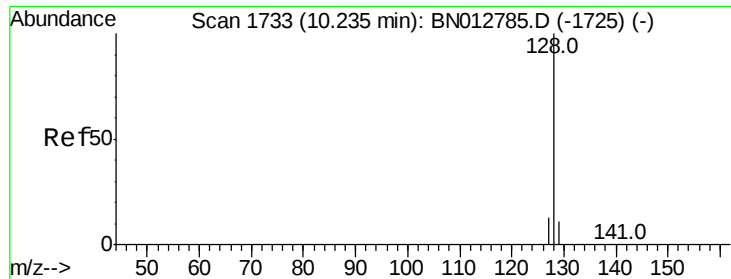
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 02 00:56:46 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
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#3

Naphthalene

Concen: 0.023 ng/ul

RT: 10.23 min Scan# 1732

Delta R.T. -0.01 min

Lab File: BN012788.D

Acq: 01 Dec 2020 18:52

Instrument :

BNA_N

ClientSampleId :

C0BG7

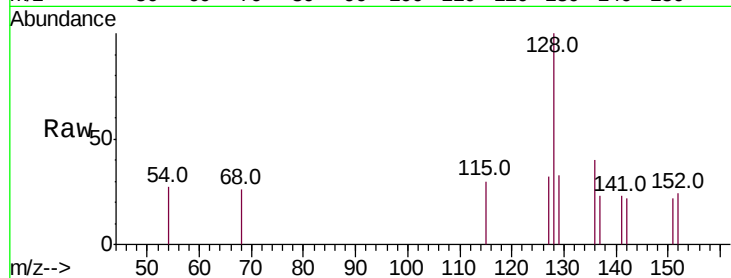
Tot Ion:128 Resp: 291

Ion Ratio Lower Upper

128 100

129 32.9 11.2 16.8#

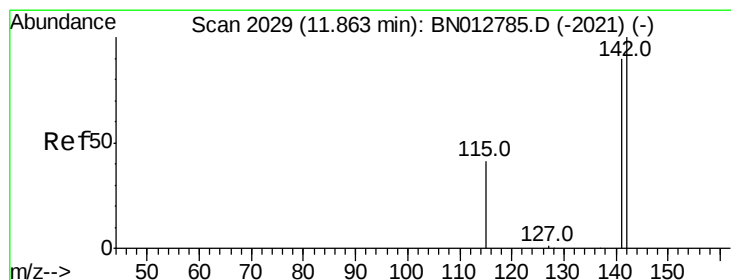
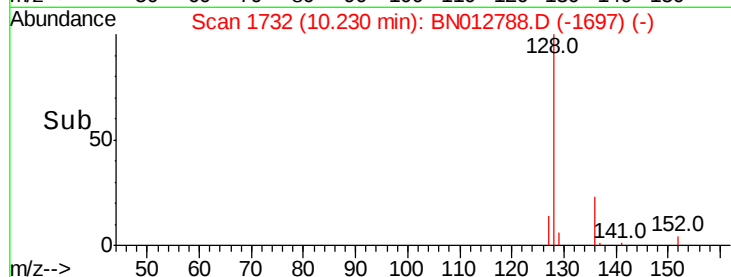
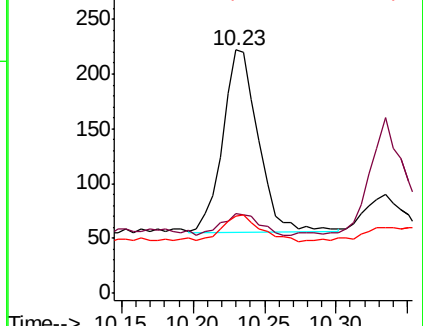
127 31.5 12.5 18.7#



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



#5

2-Methylnaphthalene

Concen: 0.020 ng/ul

RT: 11.86 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BN012788.D

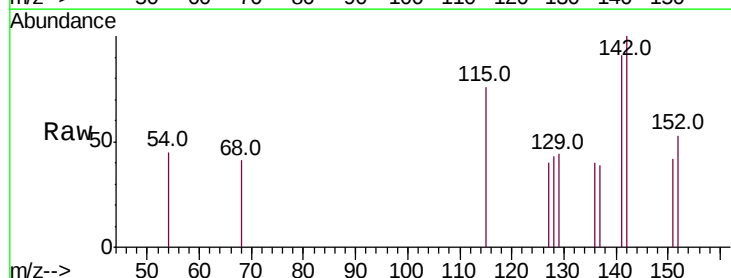
Acq: 01 Dec 2020 18:52

Tgt Ion:142 Resp: 163

Ion Ratio Lower Upper

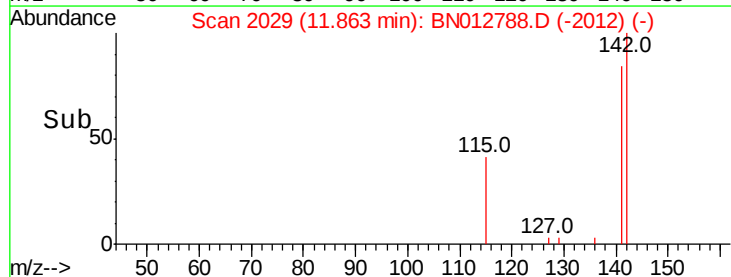
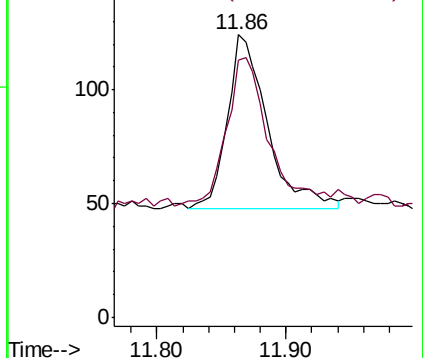
142 100

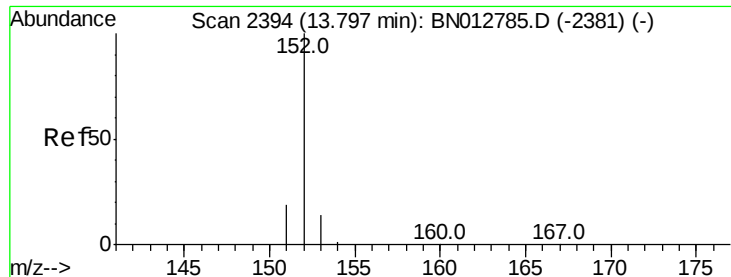
141 94.5 72.3 108.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.037 ng/ul

RT: 13.80 min Scan# 2394

Delta R.T. 0.00 min

Lab File: BN012788.D

Acq: 01 Dec 2020 18:52

Instrument :

BNA_N

ClientSampleId :

C0BG7

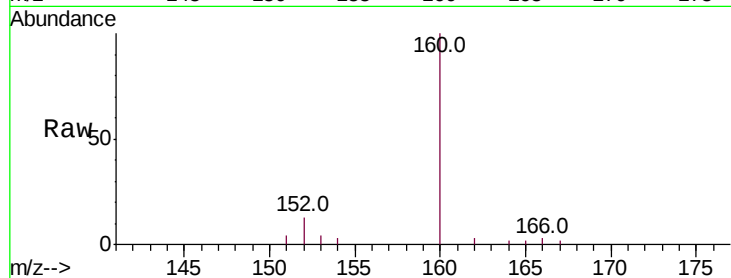
Tot Ion:152 Resp: 432

Ion Ratio Lower Upper

152 100

151 33.2 17.1 25.7#

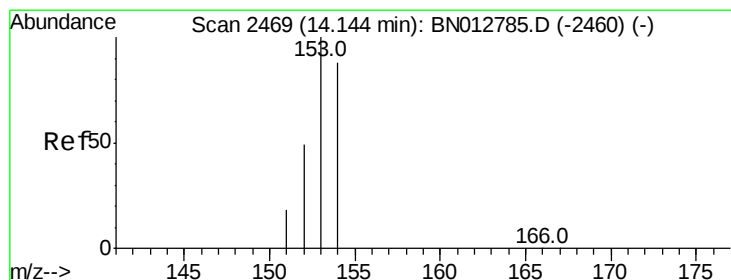
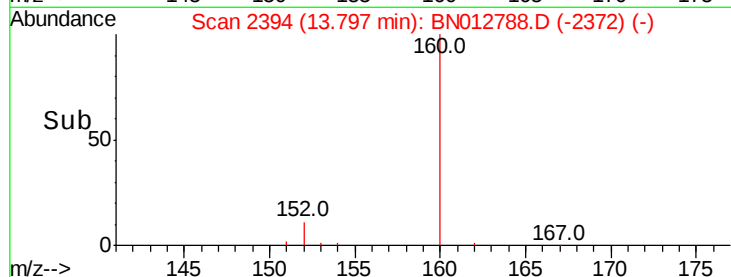
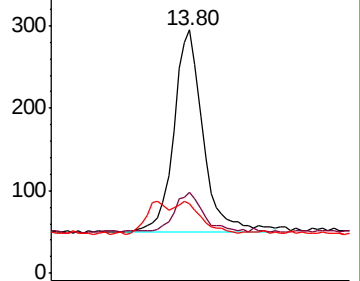
153 28.5 12.6 19.0#



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: 0.047 ng/ul

RT: 14.14 min Scan# 2469

Delta R.T. 0.00 min

Lab File: BN012788.D

Acq: 01 Dec 2020 18:52

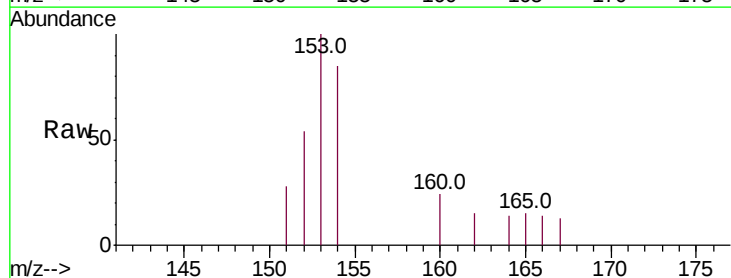
Tgt Ion:153 Resp: 472

Ion Ratio Lower Upper

153 100

152 54.3 41.4 62.0

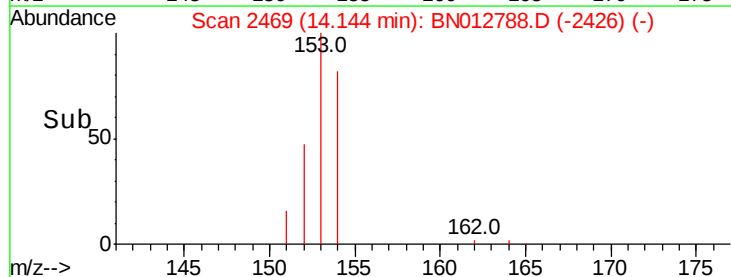
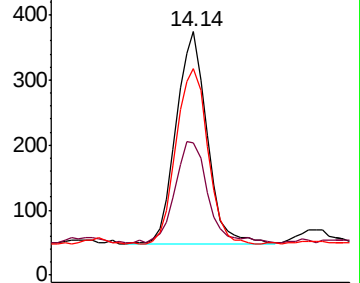
154 84.8 70.9 106.3

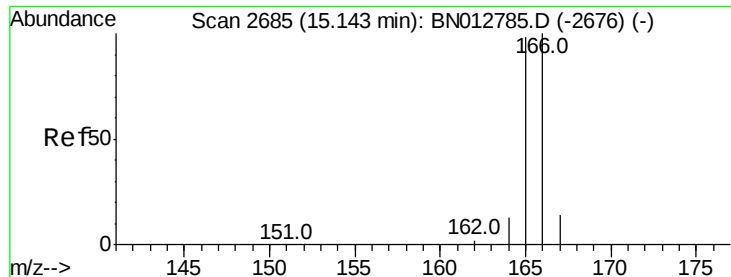


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.037 ng/ul

RT: 15.14 min Scan# 2684

Delta R.T. -0.00 min

Lab File: BN012788.D

Acq: 01 Dec 2020 18:52

Instrument :

BNA_N

ClientSampleId :

C0BG7

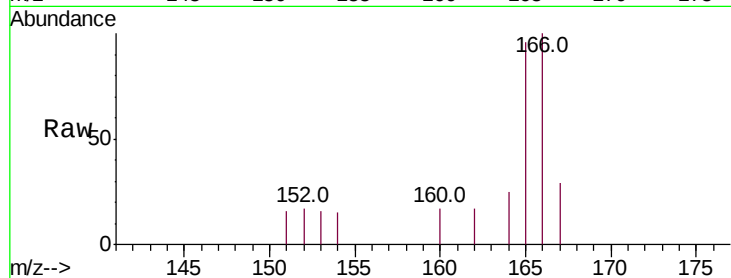
Tot Ion:166 Resp: 399

Ion Ratio Lower Upper

166 100

165 95.8 78.5 117.7

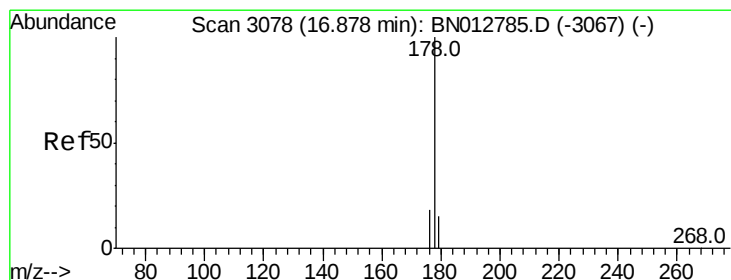
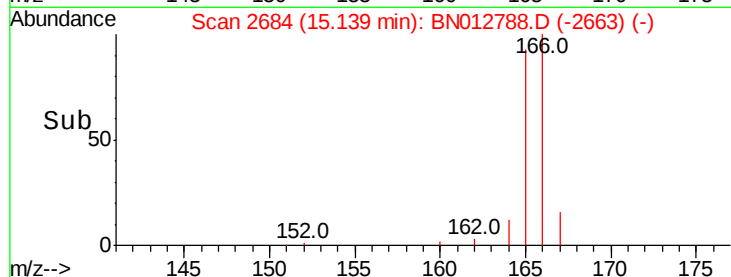
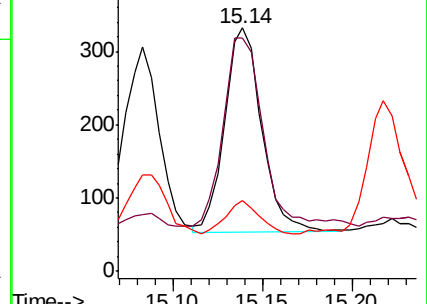
167 28.9 12.7 19.1#



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: 0.533 ng/ul

RT: 16.87 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BN012788.D

Acq: 01 Dec 2020 18:52

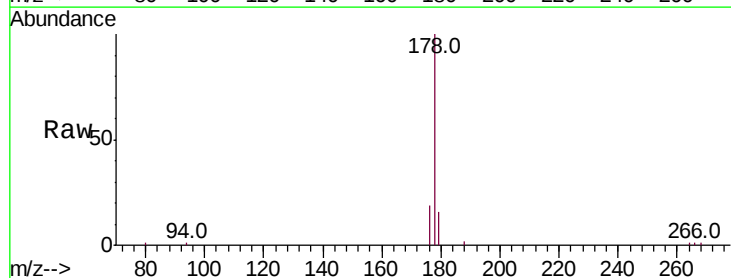
Tgt Ion:178 Resp: 9426

Ion Ratio Lower Upper

178 100

179 16.2 13.8 20.6

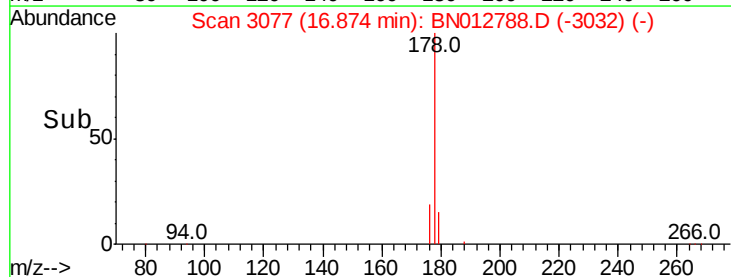
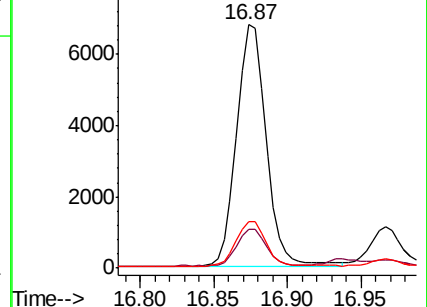
176 19.2 16.7 25.1

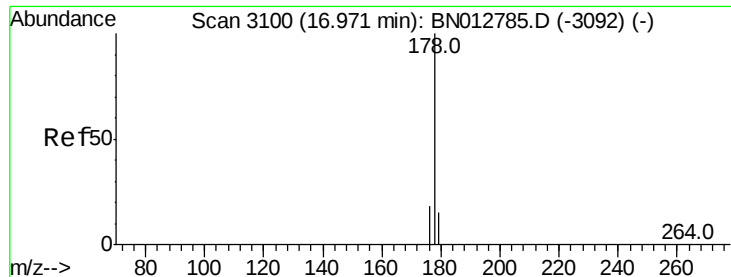


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.101 ng/ul

RT: 16.97 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BN012788.D

Acq: 01 Dec 2020 18:52

Instrument :

BNA_N

ClientSampleId :

C0BG7

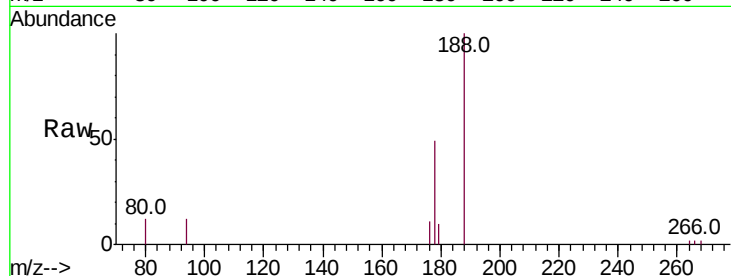
Tot Ion:178 Resp: 1554

Ion Ratio Lower Upper

178 100

179 20.8 14.8 22.2

176 22.2 16.3 24.5

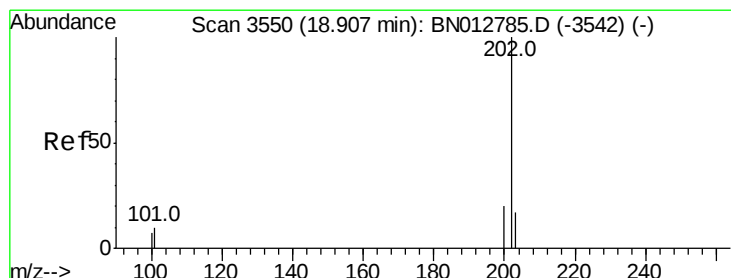
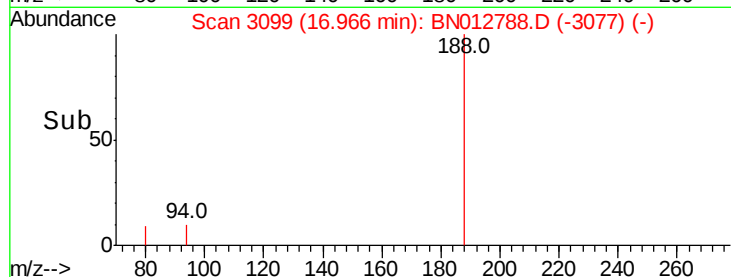
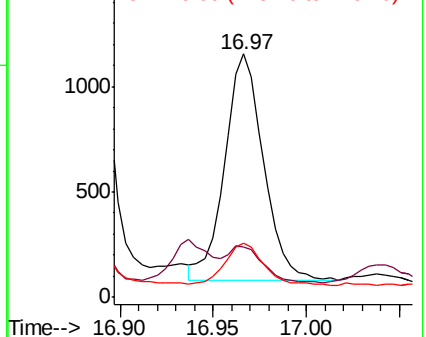


Abundance

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: 1.223 ng/ul

RT: 18.91 min Scan# 3550

Delta R.T. -0.00 min

Lab File: BN012788.D

Acq: 01 Dec 2020 18:52

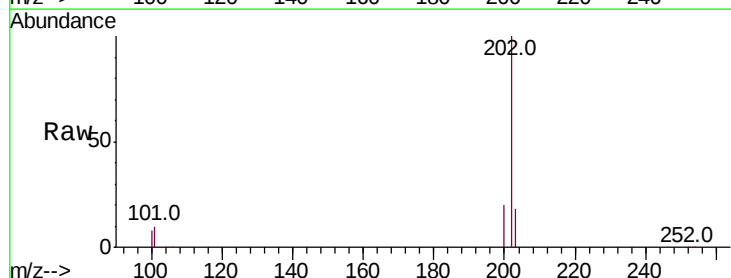
Tgt Ion:202 Resp: 24963

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.5

100 7.5 0.0 28.4

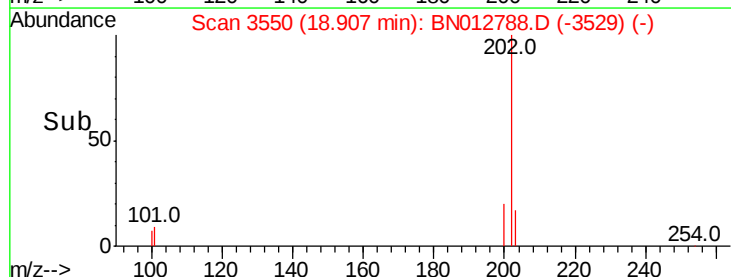
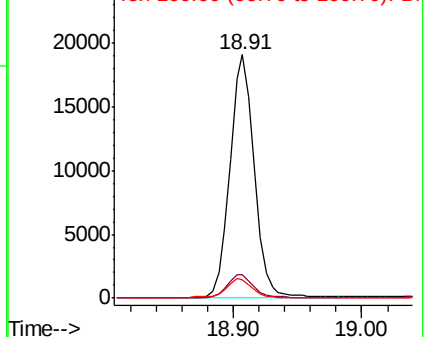


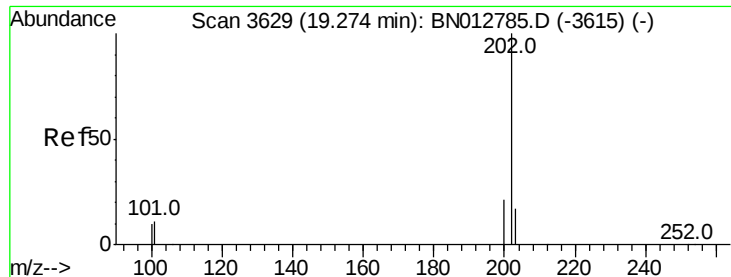
Abundance

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: 1.188 ng/ul

RT: 19.27 min Scan# 3629

Delta R.T. 0.00 min

Lab File: BN012788.D

Acq: 01 Dec 2020 18:52

Instrument :

BNA_N

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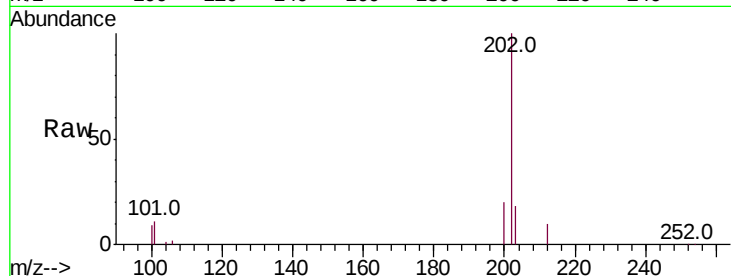
Tot Ion:202 Resp: 22809

Ion Ratio Lower Upper

202 100

101 10.7 8.9 13.3

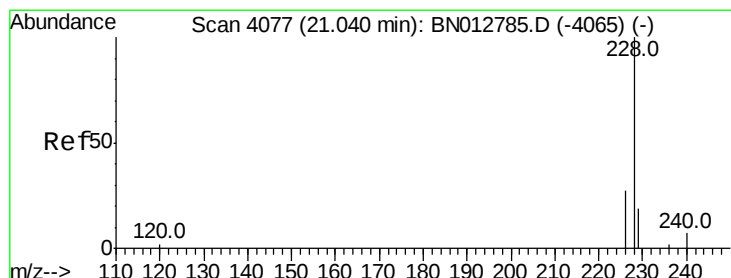
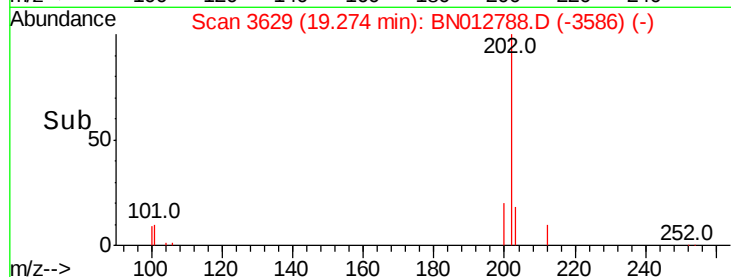
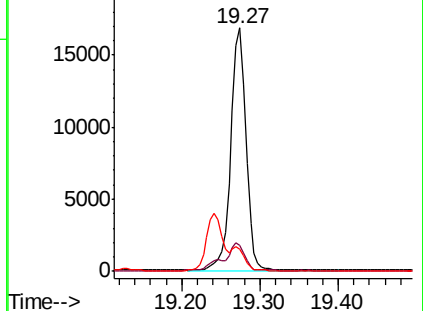
100 9.2 7.4 11.2



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: 0.714 ng/ul

RT: 21.04 min Scan# 4077

Delta R.T. 0.00 min

Lab File: BN012788.D

Acq: 01 Dec 2020 18:52

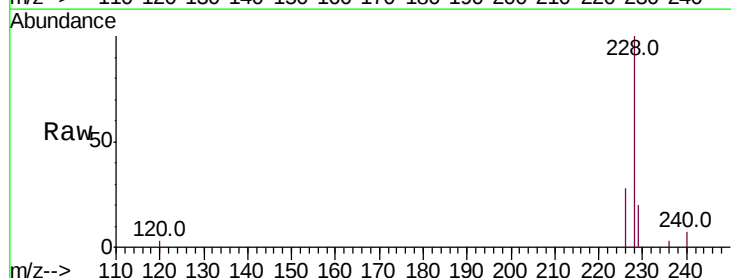
Tgt Ion:228 Resp: 10987

Ion Ratio Lower Upper

228 100

229 20.3 16.9 25.3

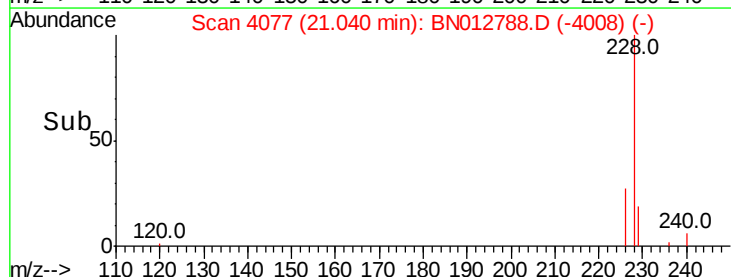
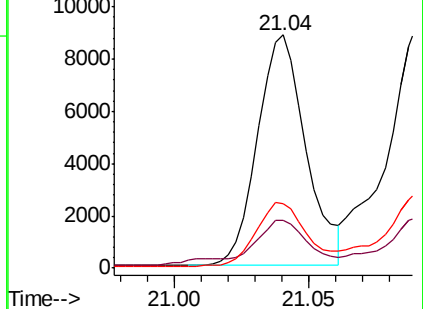
226 27.9 23.1 34.7

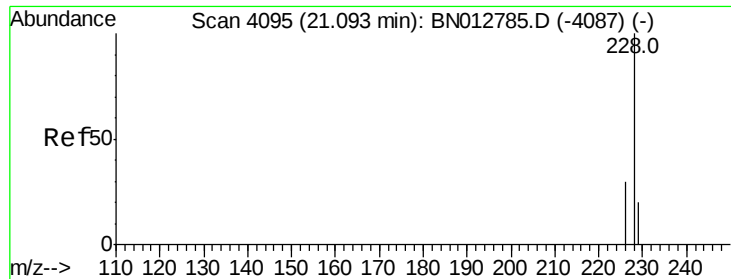


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.707 ng/ul

RT: 21.09 min Scan# 4094

Delta R.T. -0.00 min

Lab File: BN012788.D

Acq: 01 Dec 2020 18:52

Instrument :

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C0BG7

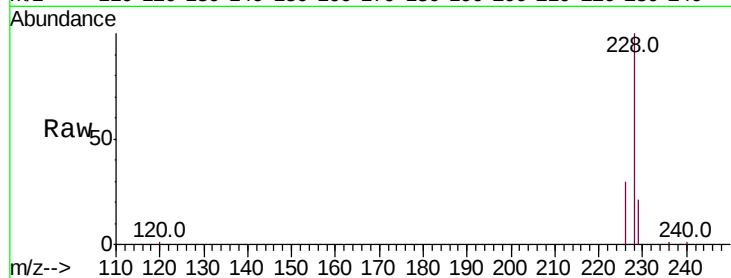
Tot Ion:228 Resp: 13592

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

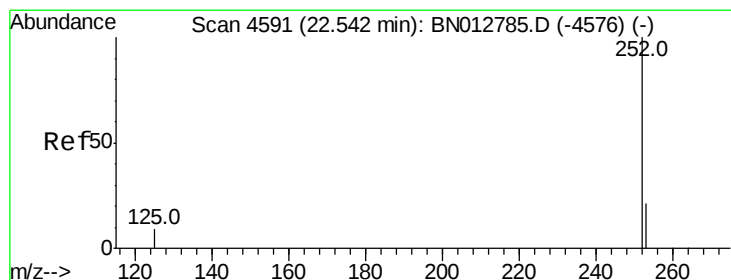
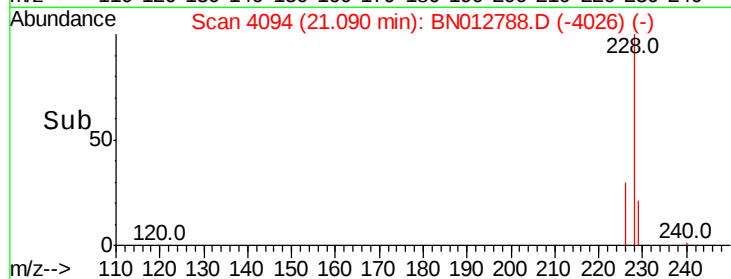
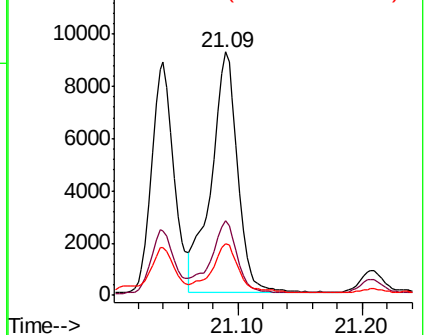
229 21.3 16.1 24.1



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: 1.298 ng/ul

RT: 22.54 min Scan# 4592

Delta R.T. 0.00 min

Lab File: BN012788.D

Acq: 01 Dec 2020 18:52

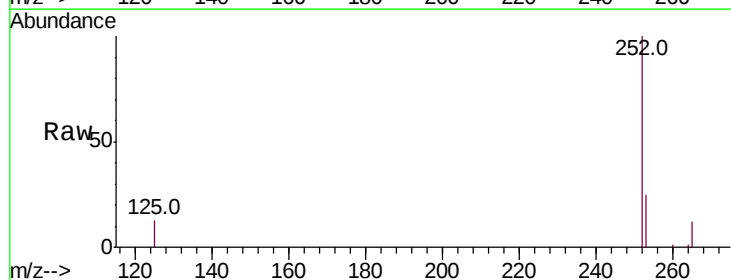
Tgt Ion:252 Resp: 26722

Ion Ratio Lower Upper

252 100

253 24.8 0.0 58.4

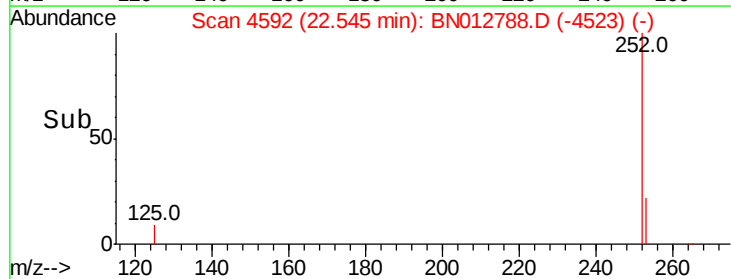
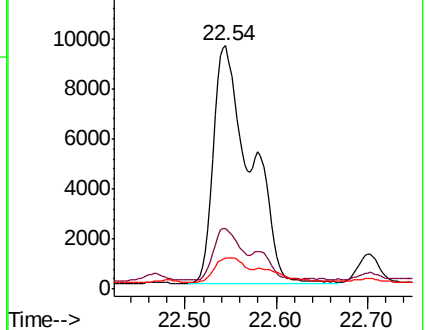
125 12.6 0.0 28.6

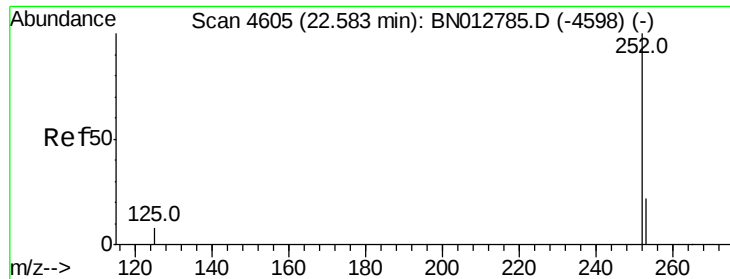


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.125 ng/ul

RT: 22.54 min Scan# 4592

Delta R.T. -0.04 min

Lab File: BN012788.D

Acq: 01 Dec 2020 18:52

Instrument :

BNA_N

ClientSampleId :

C0BG7

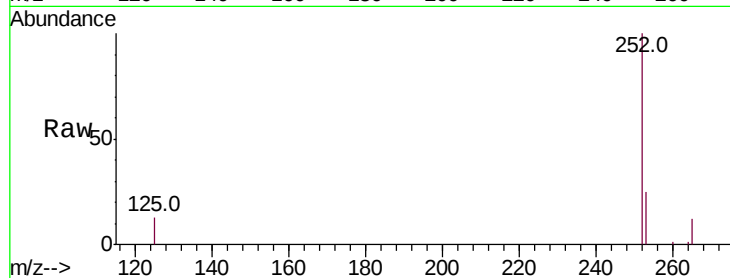
Tot Ion:252 Resp: 26722

Ion Ratio Lower Upper

252 100

253 24.8 23.4 35.2

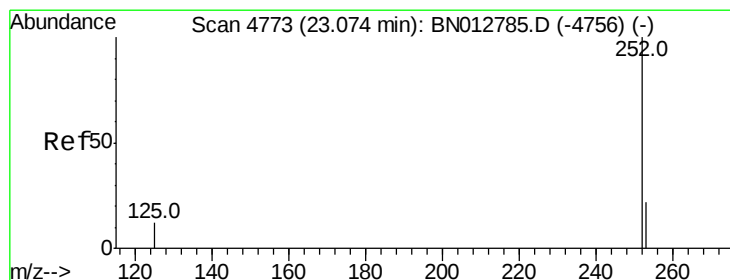
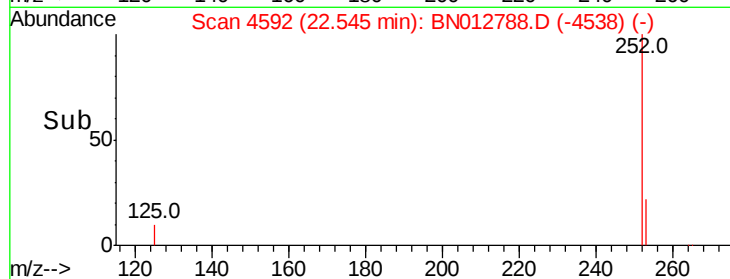
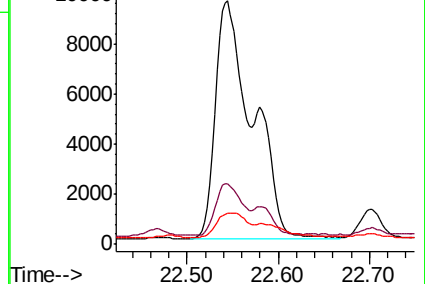
125 12.6 10.2 15.2



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: 0.647 ng/ul

RT: 23.07 min Scan# 4772

Delta R.T. -0.01 min

Lab File: BN012788.D

Acq: 01 Dec 2020 18:52

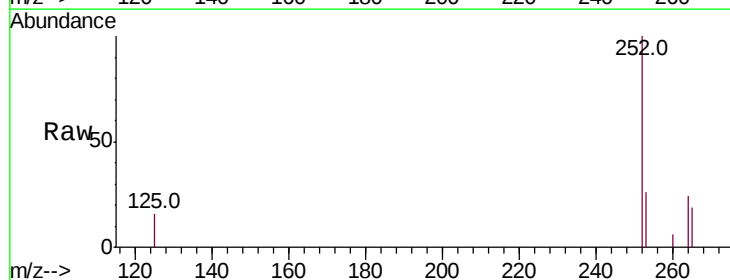
Tgt Ion:252 Resp: 12545

Ion Ratio Lower Upper

252 100

253 25.7 27.6 41.4#

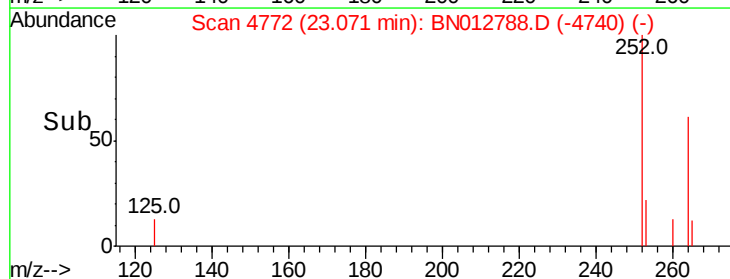
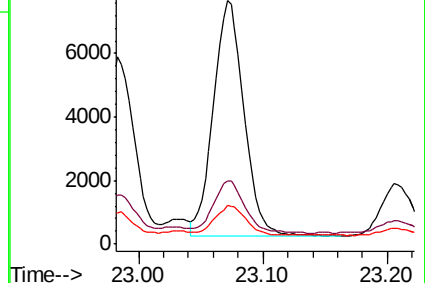
125 15.8 17.0 25.4#

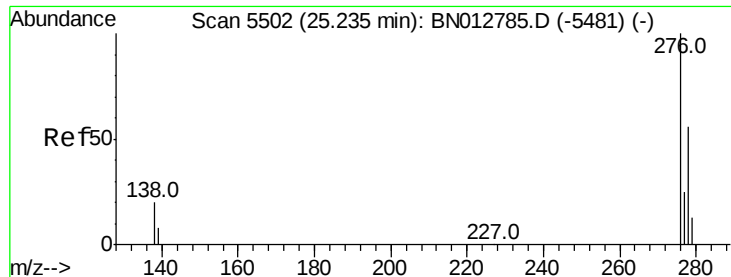


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



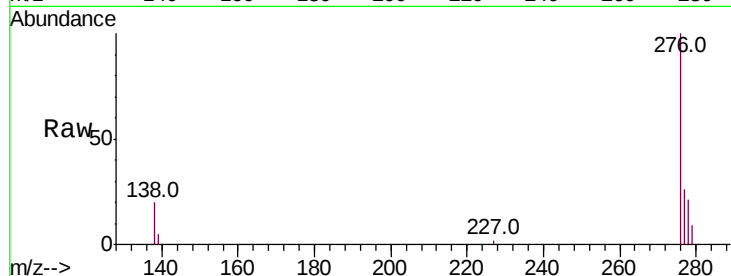


#24

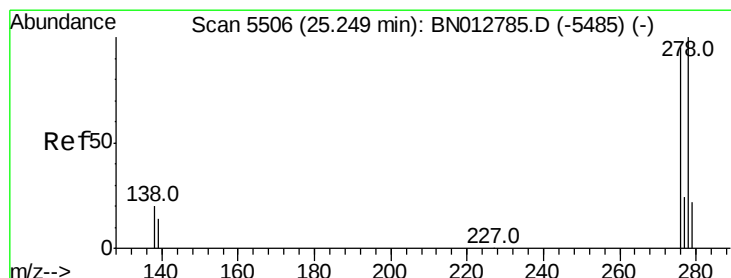
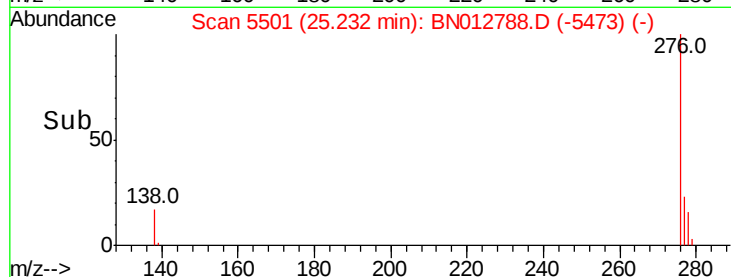
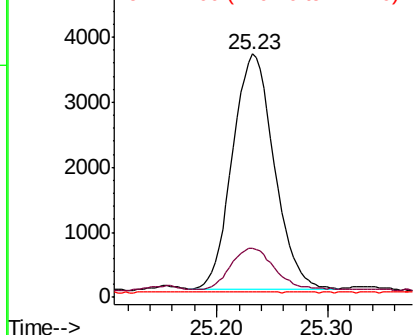
Indeno(1,2,3-cd)pyrene
Concen: 0.373 ng/u1
RT: 25.23 min Scan# 5501
Delta R.T. -0.01 min
Lab File: BN012788.D
Acq: 01 Dec 2020 18:52

Instrument :
BNA_N
ClientSampleId :
C0BG7

Tot Ion:276 Resp: 9453
Ion Ratio Lower Upper
276 100
138 18.7 16.5 24.7
227 0.1 0.1 0.1#



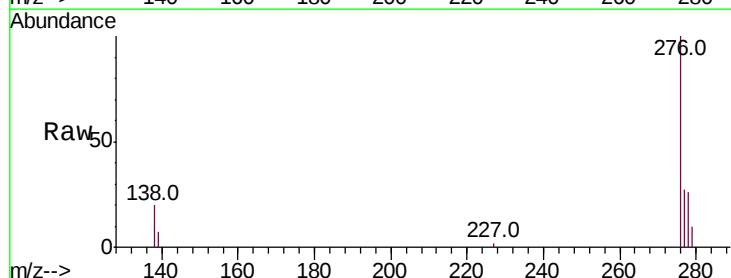
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



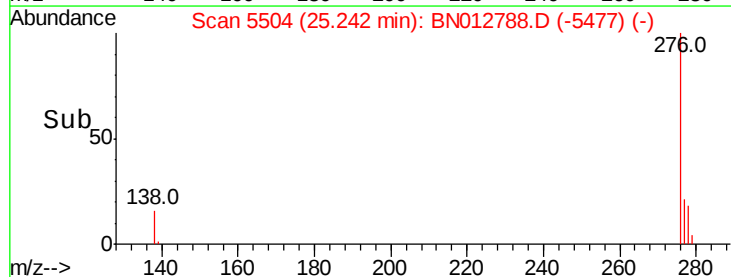
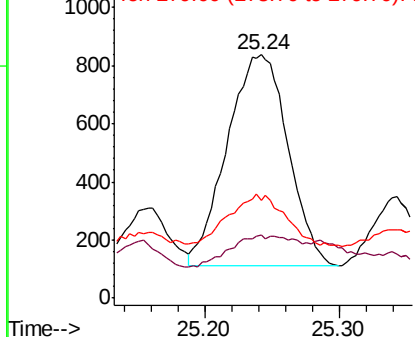
#25

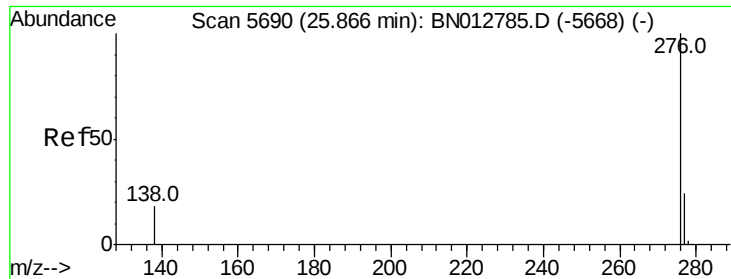
Dibenzo(a,h)anthracene
Concen: 0.112 ng/u1
RT: 25.24 min Scan# 5504
Delta R.T. -0.01 min
Lab File: BN012788.D
Acq: 01 Dec 2020 18:52

Tgt Ion:278 Resp: 2277
Ion Ratio Lower Upper
278 100
139 25.8 13.8 20.8#
279 40.3 25.6 38.4#



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: 0.389 ng/ul

RT: 25.87 min Scan# 5690

Delta R.T. 0.00 min

Lab File: BN012788.D

Acq: 01 Dec 2020 18:52

Instrument :

BNA_N

ClientSampleId :

C0BG7

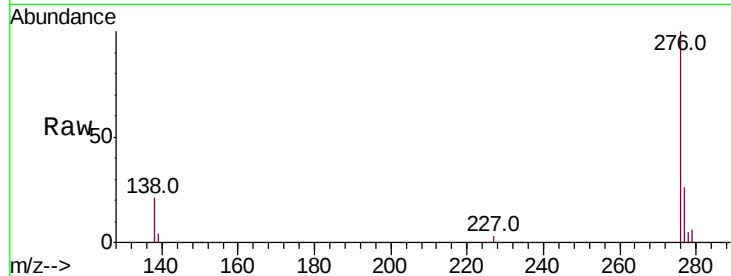
Tot Ion:276 Resp: 8879

Ion Ratio Lower Upper

276 100

138 21.3 16.3 24.5

277 25.8 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

