

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112020\
 Data File : BN012685.D
 Acq On : 21 Nov 2020 14:14
 Operator : CG/JU
 Sample : L4710-22RE
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AY7

Quant Time: Nov 23 01:24:58 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 : Mon Nov 23 01:22:42 2020
 Response via : Initial Calibration

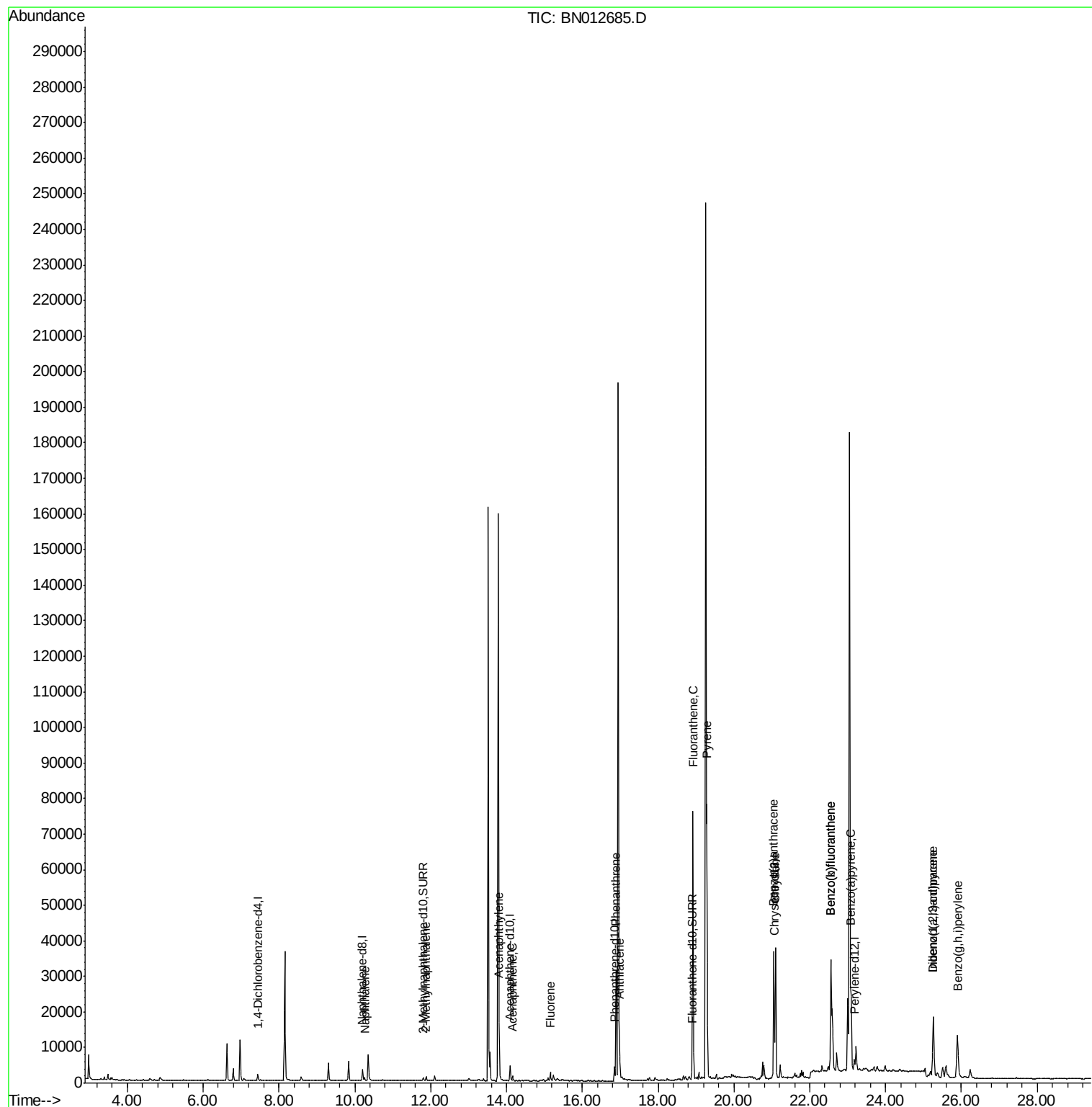
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	984	0.40	ng/ul	0.00
2) Naphthalene-d8	10.20	136	4032	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.10	164	2308	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.85	188	4691	0.40	ng/ul	0.00
16) Chrysene-d12	21.06	240	3843	0.40	ng/ul	0.00
20) Perylene-d12	23.18	264	3739	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.81	152	1182	0.20	ng/ul	-0.01
14) Fluoranthene-d10	18.89	212	2616	0.21	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.25	128	1041	0.086	ng/ul#	91
5) 2-Methylnaphthalene	11.89	142	904	0.117	ng/ul	99
7) Acenaphthylene	13.82	152	3579	0.318	ng/ul	98
8) Acenaphthene	14.16	153	825	0.087	ng/ul	99
9) Fluorene	15.16	166	1584	0.152	ng/ul#	94
12) Phenanthrene	16.89	178	31887	1.954	ng/ul	96
13) Anthracene	16.98	178	5186	0.365	ng/ul	98
15) Fluoranthene	18.92	202	61447	3.261	ng/ul	99
17) Pyrene	19.29	202	60893	3.542	ng/ul	98
18) Benzo(a)anthracene	21.05	228	29378	2.133	ng/ul	99
19) Chrysene	21.10	228	36141	2.101	ng/ul	98
21) Benzo(b)fluoranthene	22.55	252	67705	3.936	ng/ul	92
22) Benzo(k)fluoranthene	22.55	252	67687	3.412	ng/ul	93
23) Benzo(a)pyrene	23.09	252	32956	2.036	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.26	276	25058	1.184	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.26	278	6012	0.353	ng/ul#	89
26) Benzo(a,h,i)perylene	25.90	276	24387	1.280	ng/ul	97

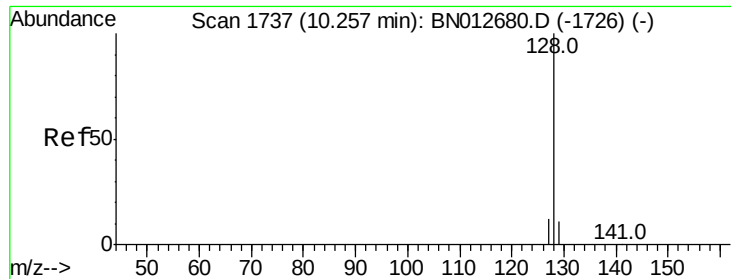
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.086 ng/ul

RT: 10.25 min Scan# 1736

Delta R.T. -0.01 min

Lab File: BN012685.D

Acq: 21 Nov 2020 14:14

Instrument :

BNA_N

ClientSampleId :

C0AY7

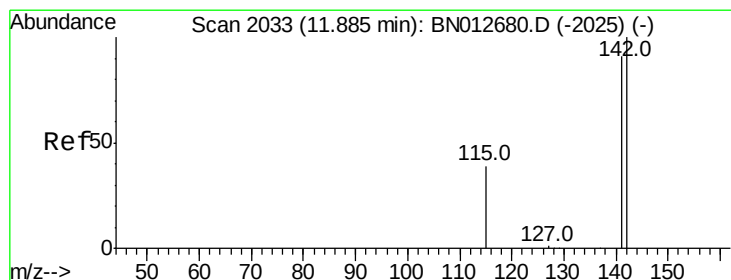
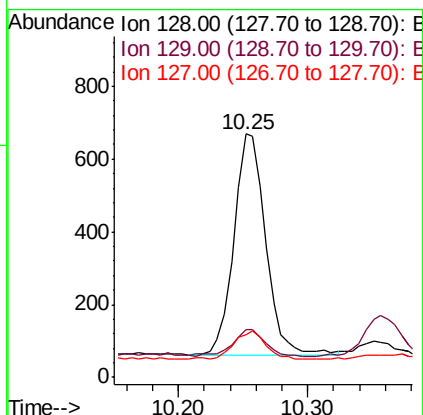
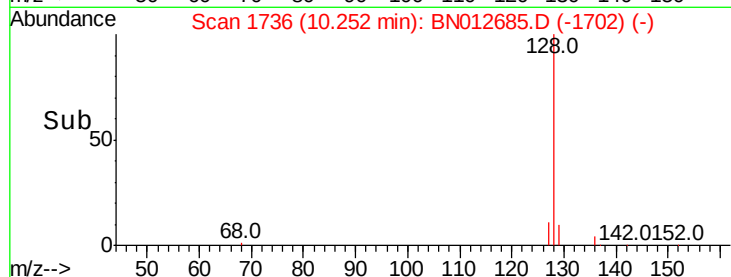
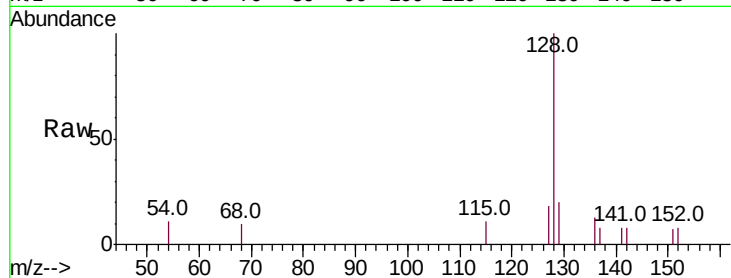
Tot Ion:128 Resp: 1041

Ion Ratio Lower Upper

128 100

129 19.6 11.2 16.8#

127 17.6 12.5 18.7



#5

2-Methylnaphthalene

Concen: 0.117 ng/ul

RT: 11.89 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BN012685.D

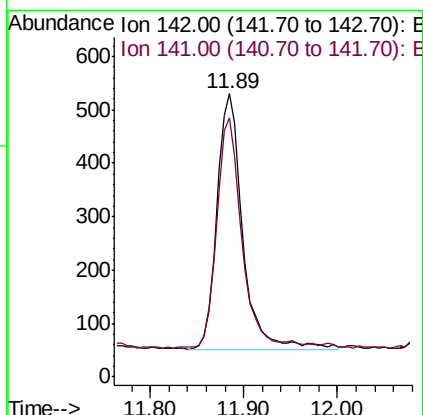
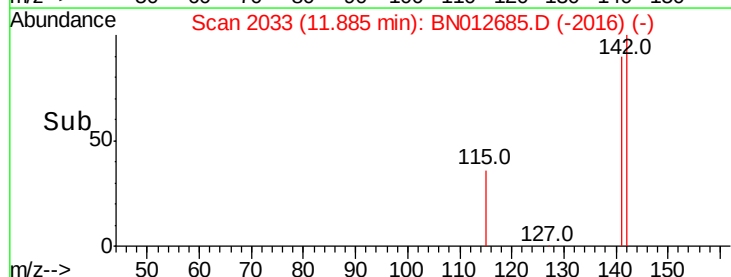
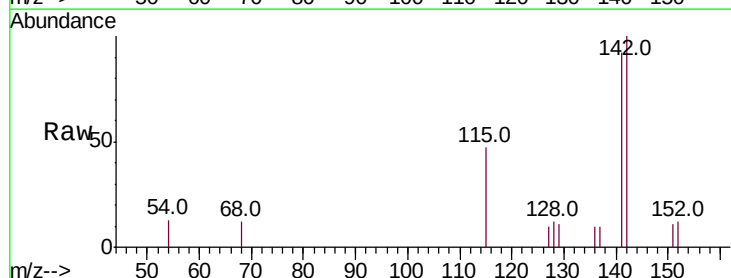
Acq: 21 Nov 2020 14:14

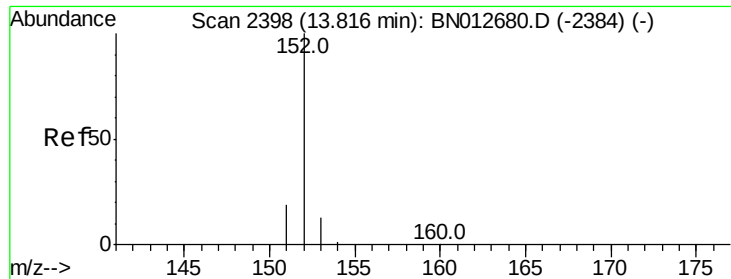
Tgt Ion:142 Resp: 904

Ion Ratio Lower Upper

142 100

141 91.3 72.3 108.5





#7

Acenaphthylene

Concen: 0.318 ng/ul

RT: 13.82 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BN012685.D

Acq: 21 Nov 2020 14:14

Instrument :

BNA_N

ClientSampleId :

C0AY7

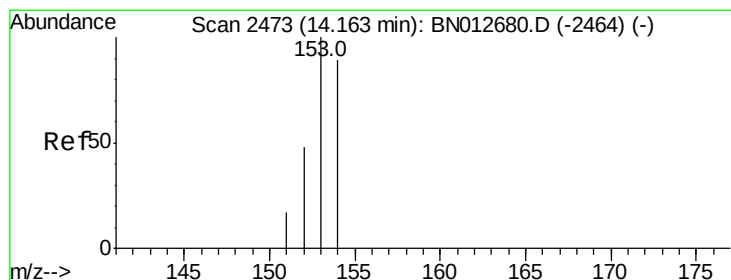
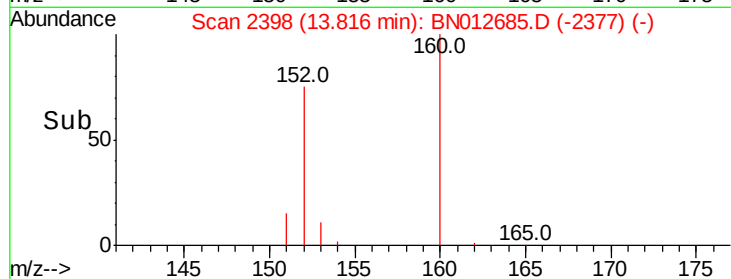
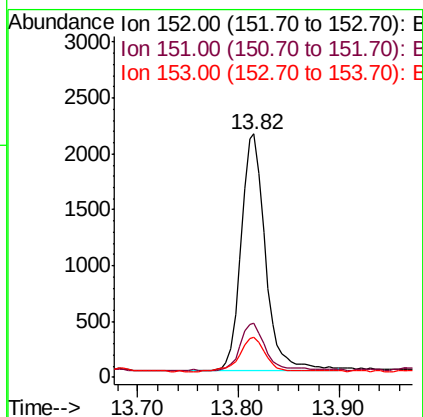
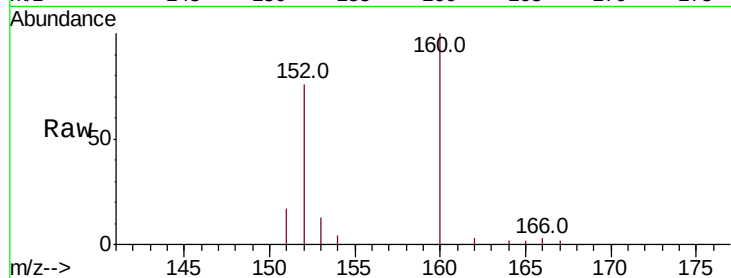
Tot Ion:152 Resp: 3579

Ion Ratio Lower Upper

152 100

151 22.3 17.1 25.7

153 16.6 12.6 19.0



#8

Acenaphthene

Concen: 0.087 ng/ul

RT: 14.16 min Scan# 2472

Delta R.T. -0.00 min

Lab File: BN012685.D

Acq: 21 Nov 2020 14:14

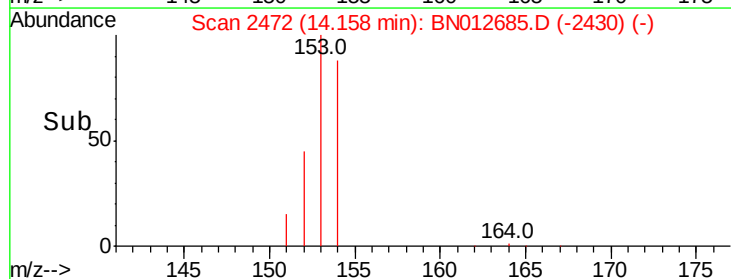
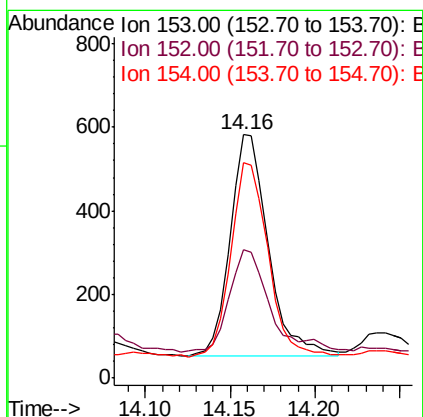
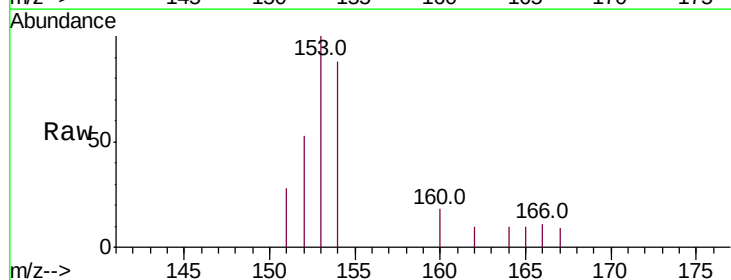
Tgt Ion:153 Resp: 825

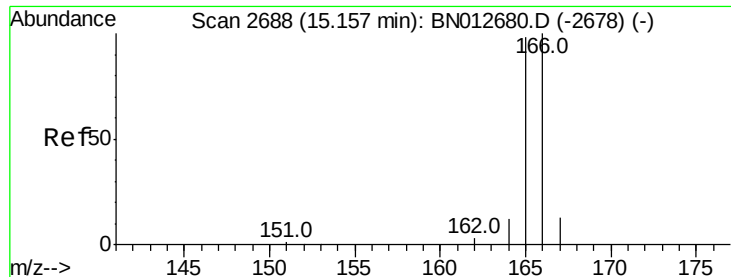
Ion Ratio Lower Upper

153 100

152 52.9 41.4 62.0

154 88.3 70.9 106.3





#9

Fluorene

Concen: 0.152 ng/ul

RT: 15.16 min Scan# 2688

Delta R.T. -0.00 min

Lab File: BN012685.D

Acq: 21 Nov 2020 14:14

Instrument :

BNA_N

ClientSampleId :

C0AY7

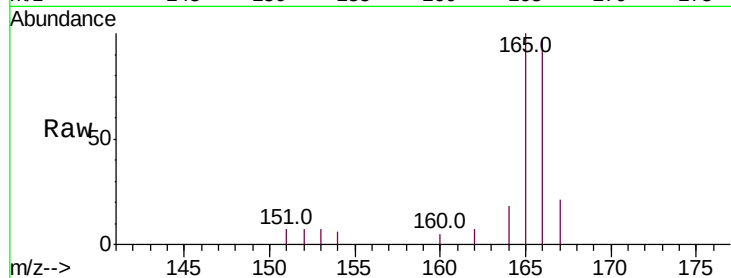
Tot Ion:166 Resp: 1584

Ion Ratio Lower Upper

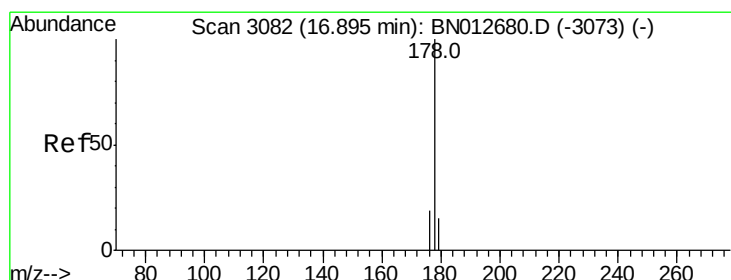
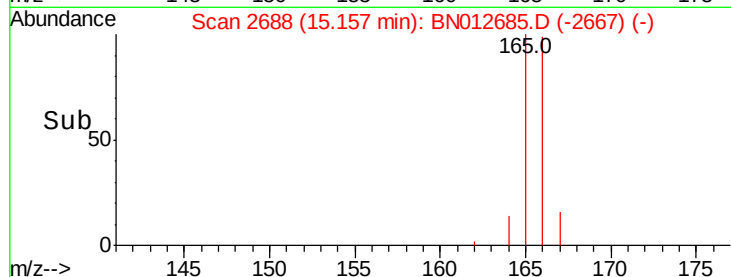
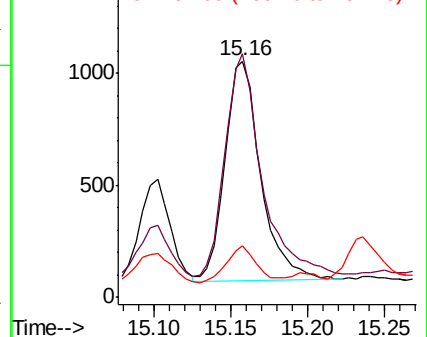
166 100

165 103.1 78.5 117.7

167 21.8 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: 1.954 ng/ul

RT: 16.89 min Scan# 3081

Delta R.T. -0.01 min

Lab File: BN012685.D

Acq: 21 Nov 2020 14:14

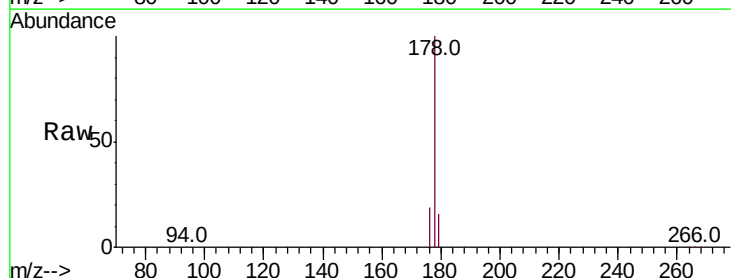
Tgt Ion:178 Resp: 31887

Ion Ratio Lower Upper

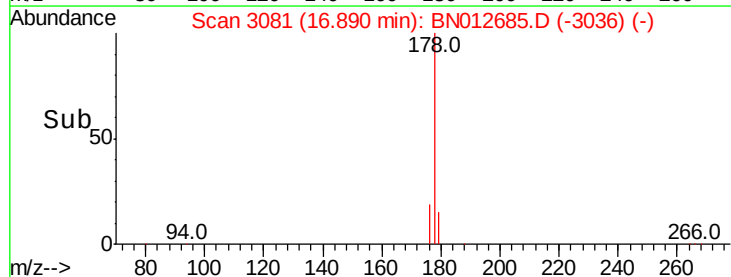
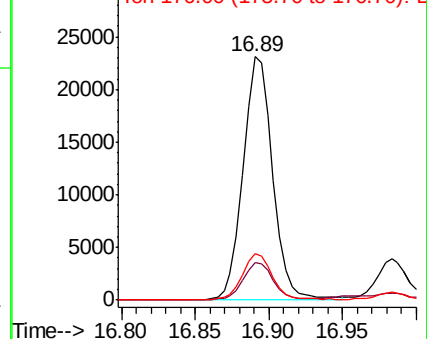
178 100

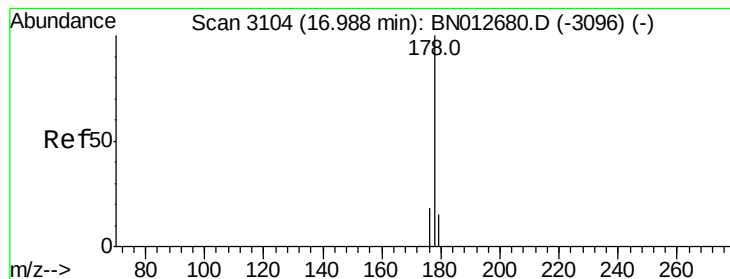
179 15.6 13.8 20.6

176 19.1 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: 0.365 ng/ul

RT: 16.98 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BN012685.D

Acq: 21 Nov 2020 14:14

Instrument :

BNA_N

ClientSampleId :

C0AY7

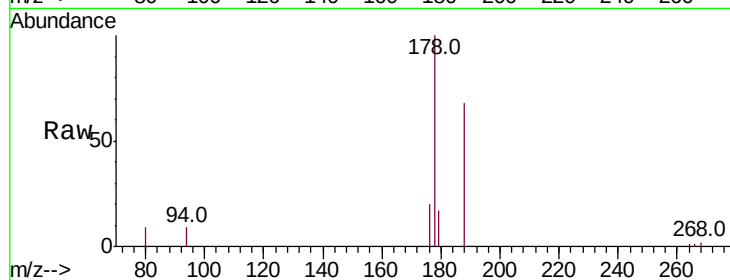
Tot Ion:178 Resp: 5186

Ion Ratio Lower Upper

178 100

179 17.5 14.8 22.2

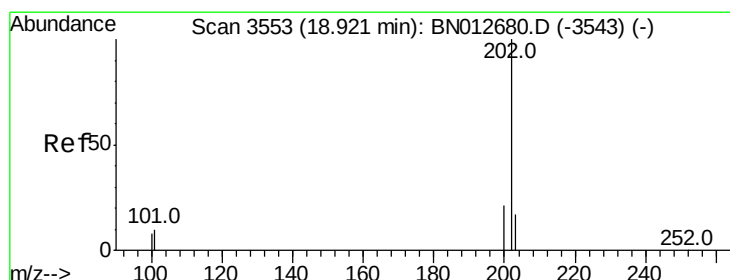
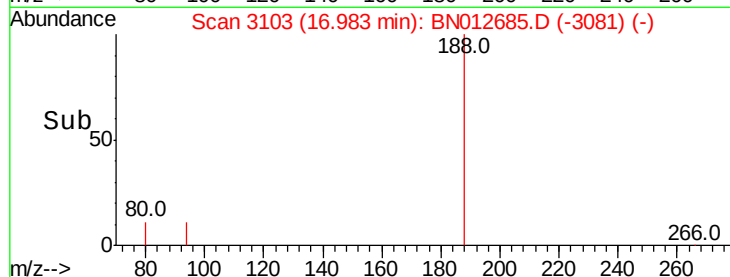
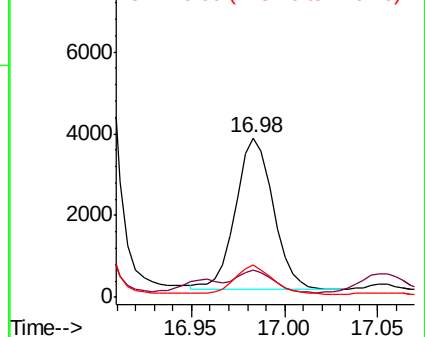
176 19.9 16.3 24.5



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: 3.261 ng/ul

RT: 18.92 min Scan# 3553

Delta R.T. -0.00 min

Lab File: BN012685.D

Acq: 21 Nov 2020 14:14

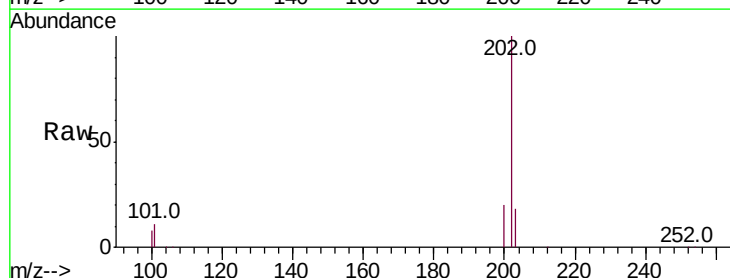
Tgt Ion:202 Resp: 61447

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.5

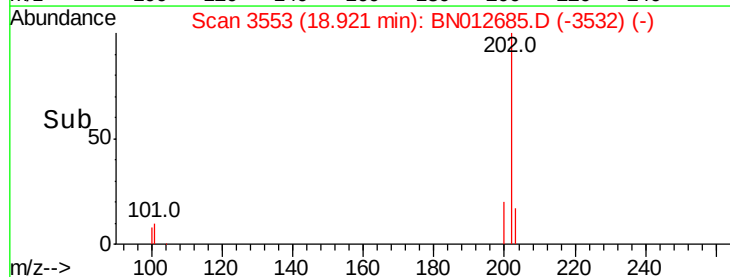
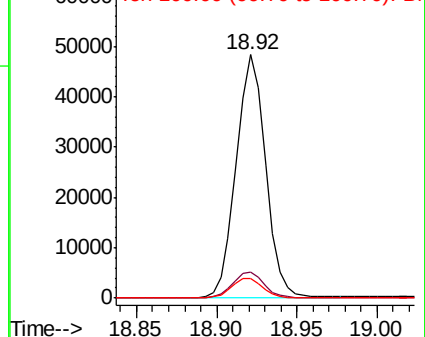
100 8.1 0.0 28.4

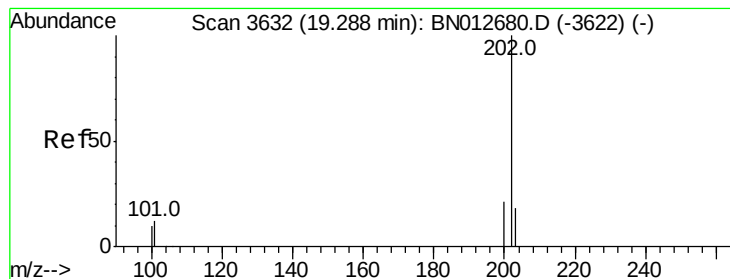


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 3.542 ng/ul

RT: 19.29 min Scan# 3632

Delta R.T. -0.00 min

Lab File: BN012685.D

Acq: 21 Nov 2020 14:14

Instrument :

BNA_N

ClientSampleId :

C0AY7

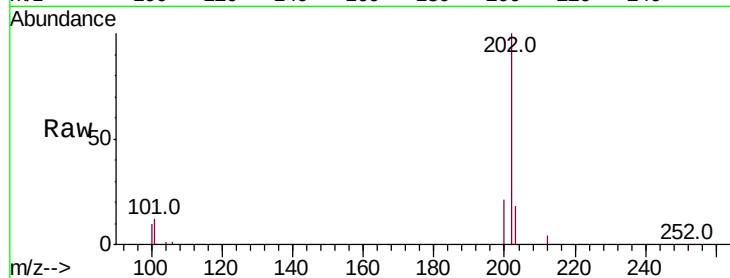
Tot Ion:202 Resp: 60893

Ion Ratio Lower Upper

202 100

101 12.1 8.9 13.3

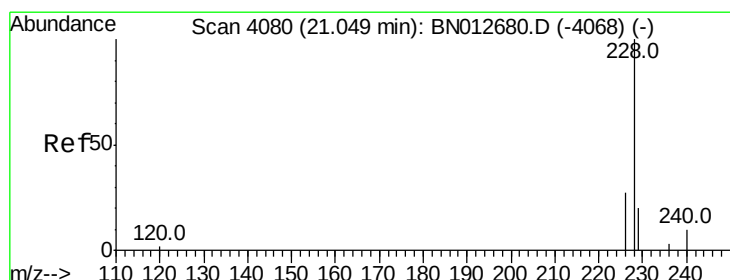
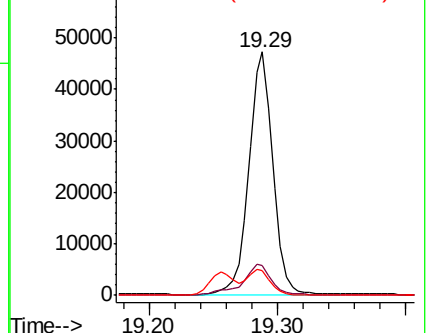
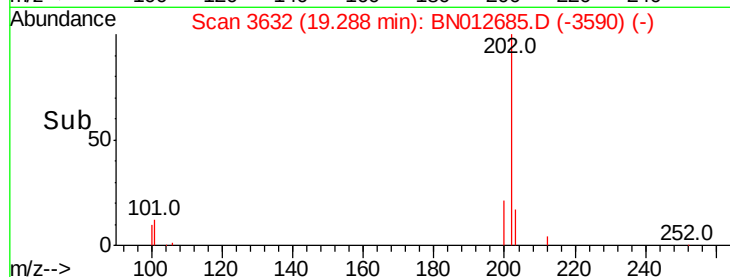
100 10.0 7.4 11.2



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: 2.133 ng/ul

RT: 21.05 min Scan# 4080

Delta R.T. -0.00 min

Lab File: BN012685.D

Acq: 21 Nov 2020 14:14

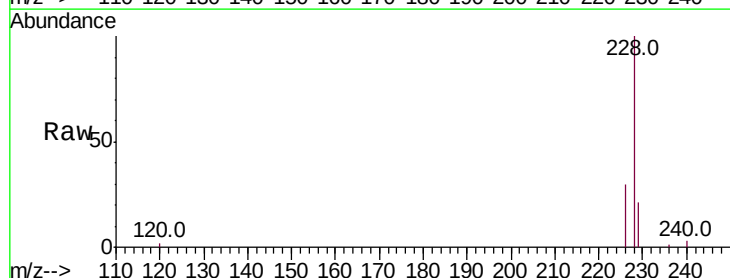
Tgt Ion:228 Resp: 29378

Ion Ratio Lower Upper

228 100

229 21.4 16.9 25.3

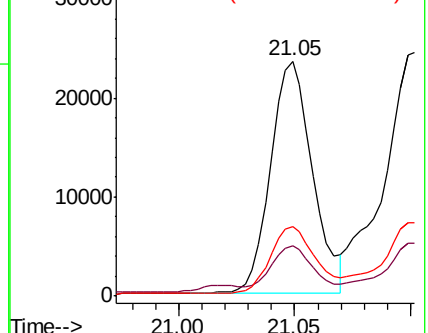
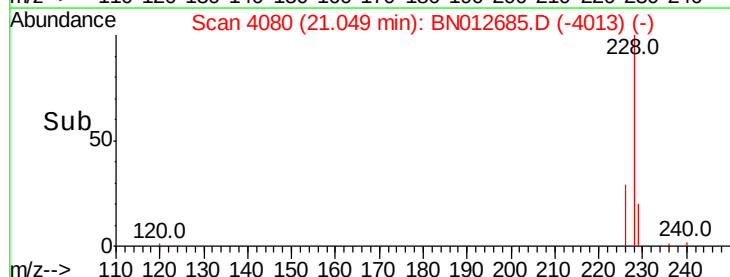
226 29.6 23.1 34.7

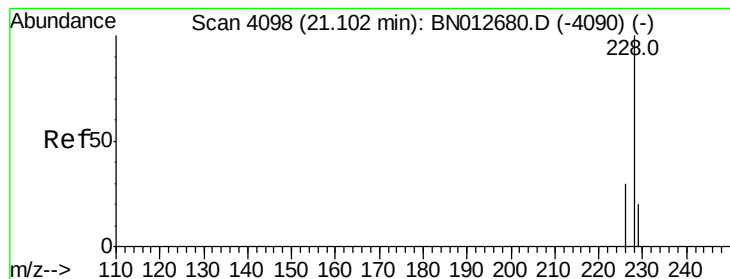


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.101 ng/ul

RT: 21.10 min Scan# 4098

Delta R.T. -0.00 min

Lab File: BN012685.D

Acq: 21 Nov 2020 14:14

Instrument :

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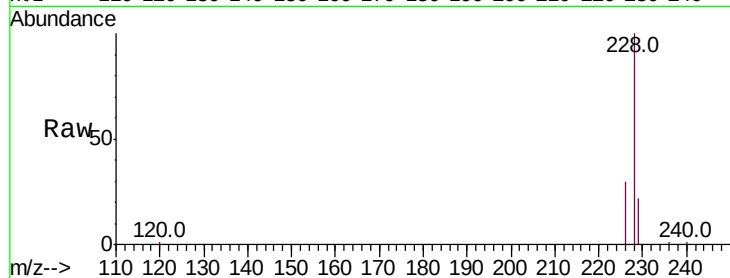
Tot Ion:228 Resp: 36141

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

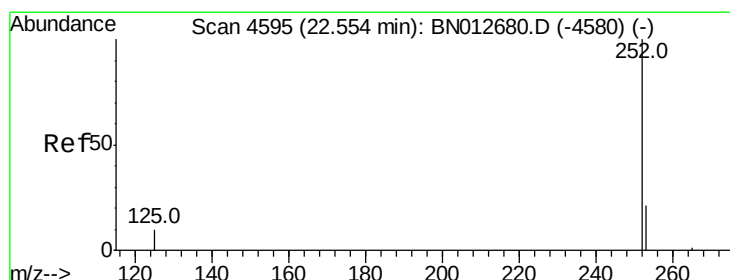
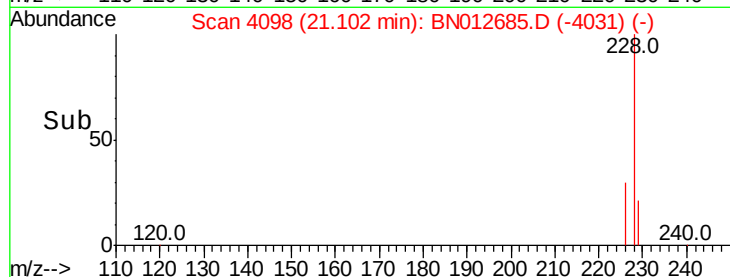
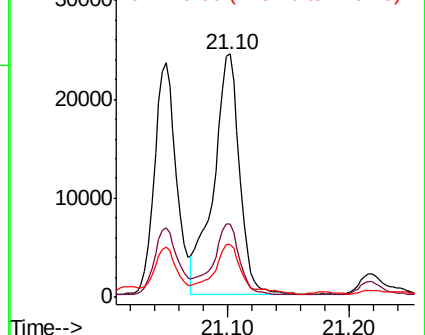
229 21.9 16.1 24.1



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: 3.936 ng/ul

RT: 22.55 min Scan# 4595

Delta R.T. -0.01 min

Lab File: BN012685.D

Acq: 21 Nov 2020 14:14

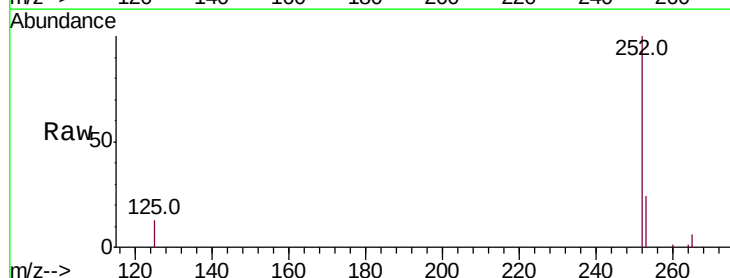
Tgt Ion:252 Resp: 67705

Ion Ratio Lower Upper

252 100

253 24.2 0.0 58.4

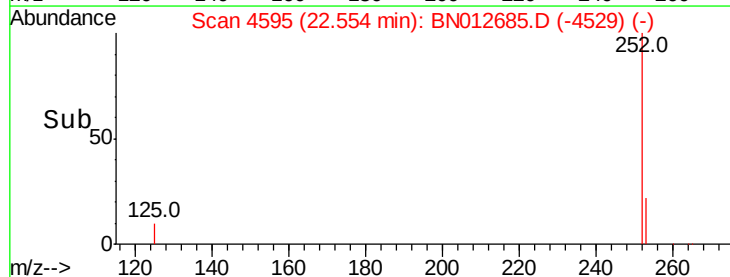
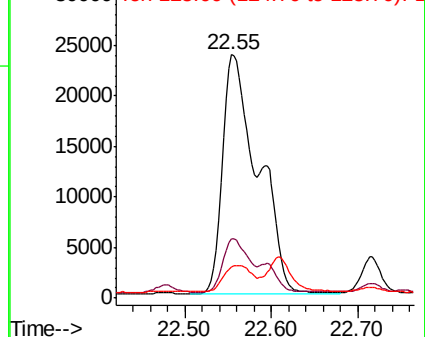
125 12.6 0.0 28.6

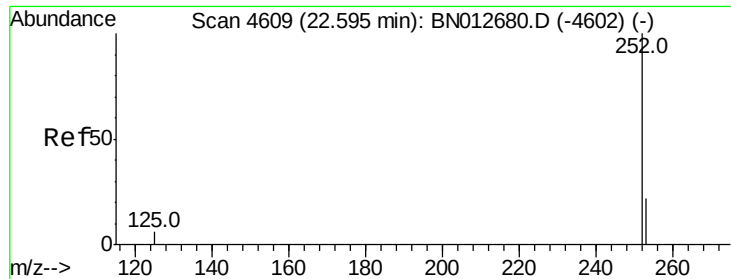


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.412 ng/ul

RT: 22.55 min Scan# 4595

Delta R.T. -0.05 min

Lab File: BN012685.D

Acq: 21 Nov 2020 14:14

Instrument :

BNA_N

ClientSampleId :

C0AY7

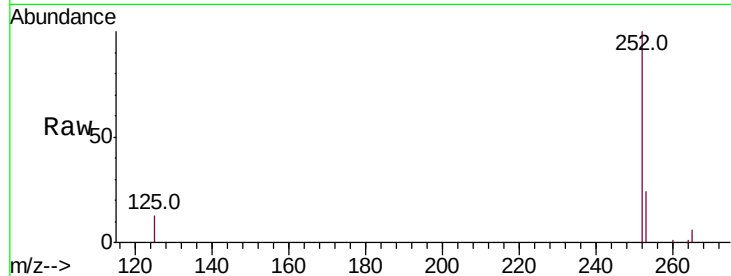
Tot Ion:252 Resp: 67687

Ion Ratio Lower Upper

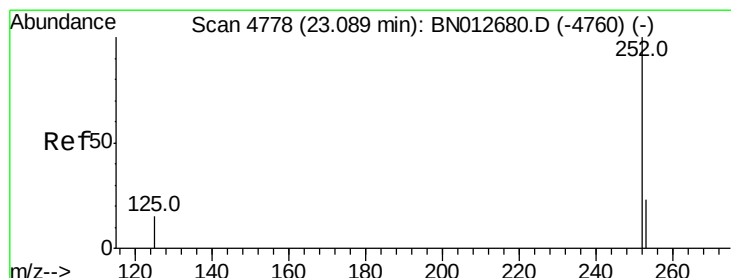
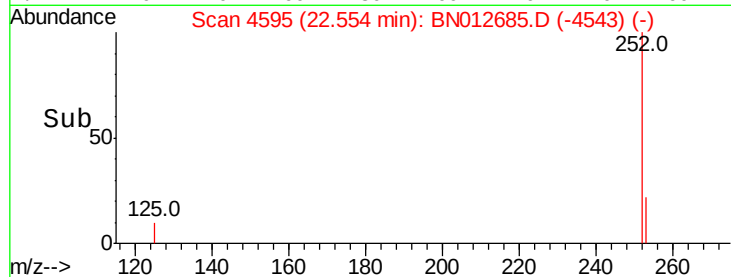
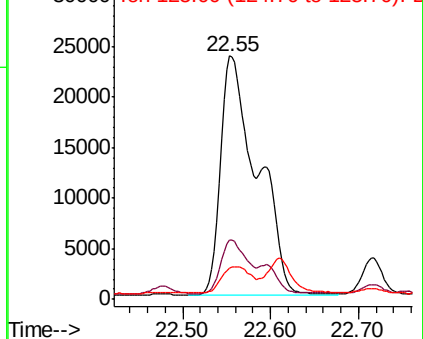
252 100

253 24.2 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: 2.036 ng/ul

RT: 23.09 min Scan# 4778

Delta R.T. -0.01 min

Lab File: BN012685.D

Acq: 21 Nov 2020 14:14

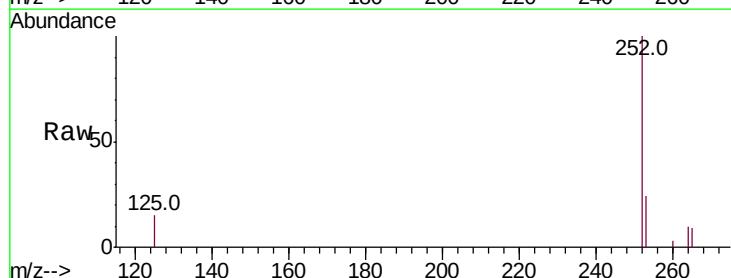
Tgt Ion:252 Resp: 32956

Ion Ratio Lower Upper

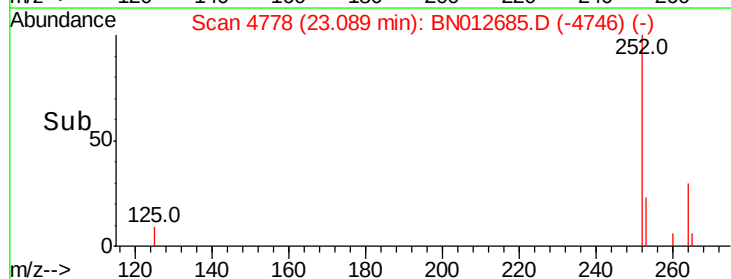
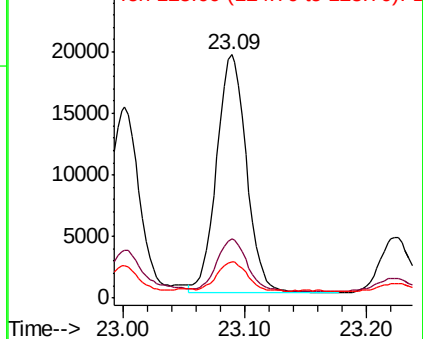
252 100

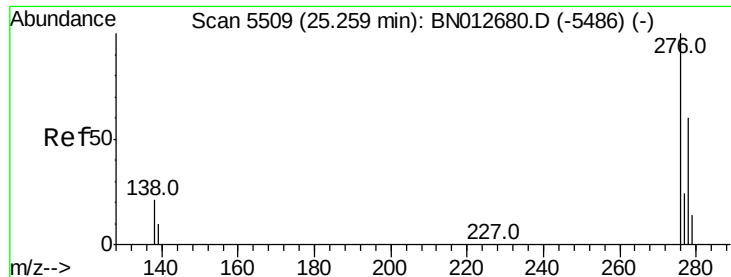
253 24.4 27.6 41.4#

125 14.9 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



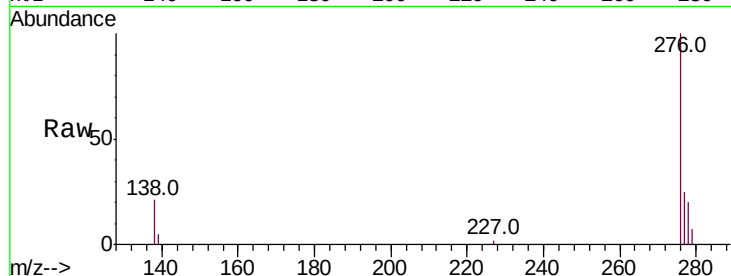


#24

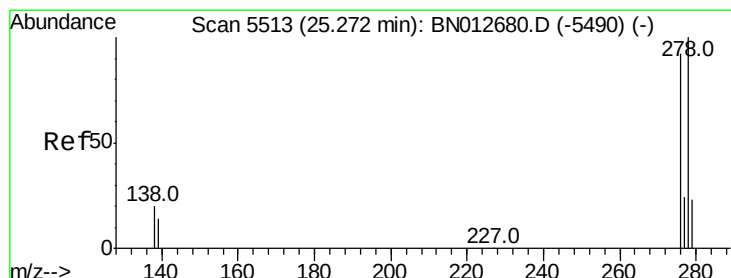
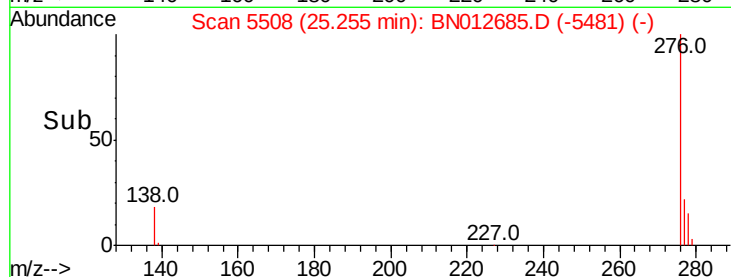
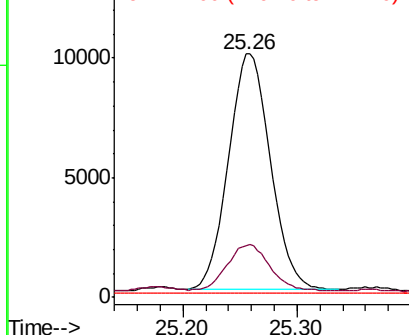
Indeno(1,2,3-cd)pyrene
Concen: 1.184 ng/ul
RT: 25.26 min Scan# 5508
Delta R.T. -0.01 min
Lab File: BN012685.D
Acq: 21 Nov 2020 14:14

Instrument :
BNA_N
ClientSampleId :
C0AY7

Tot Ion:276 Resp: 25058
Ion Ratio Lower Upper
276 100
138 19.9 16.5 24.7
227 0.2 0.1 0.1#



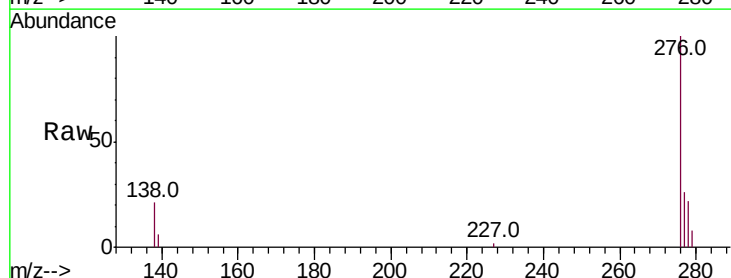
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



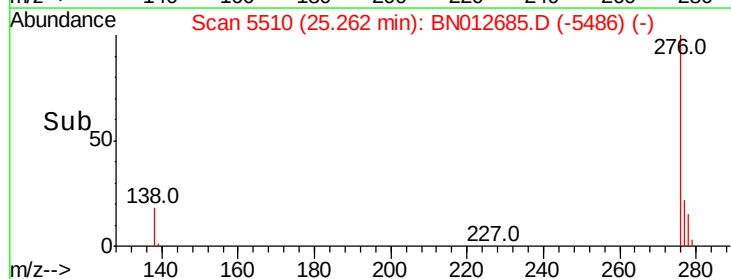
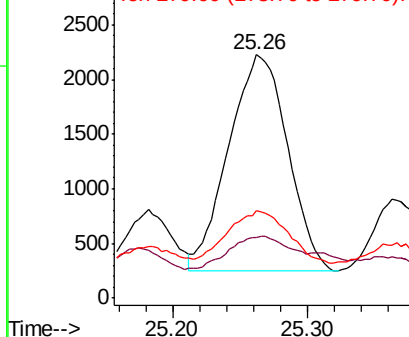
#25

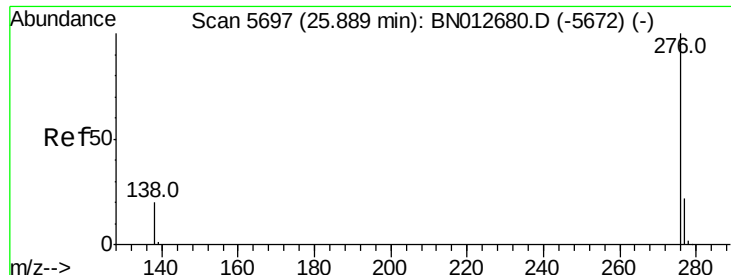
Dibenzo(a,h)anthracene
Concen: 0.353 ng/ul
RT: 25.26 min Scan# 5510
Delta R.T. -0.02 min
Lab File: BN012685.D
Acq: 21 Nov 2020 14:14

Tgt Ion:278 Resp: 6012
Ion Ratio Lower Upper
278 100
139 25.0 13.8 20.8#
279 35.8 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: 1.280 ng/ul

RT: 25.90 min Scan# 5699

Delta R.T. -0.00 min

Lab File: BN012685.D

Acq: 21 Nov 2020 14:14

Instrument :

BNA_N

ClientSampleId :

C0AY7

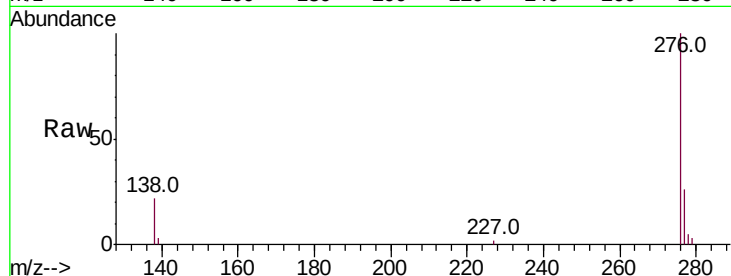
Tot Ion:276 Resp: 24387

Ion Ratio Lower Upper

276 100

138 22.0 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

