

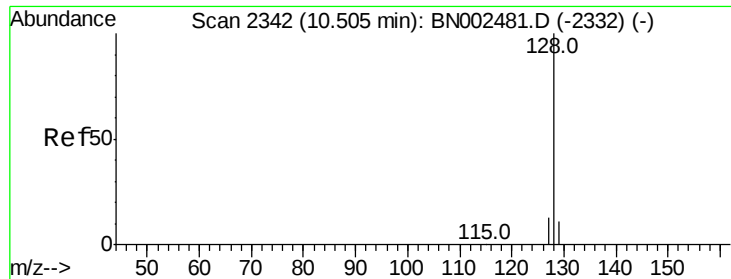
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\
 Data File : BN002482.D
 Acq On : 24 Aug 2018 00:50
 Operator : JU/SJ
 Sample : J4421-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 24 04:18:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 24 02:20:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	1982	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	8278	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	4716	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.15	188	456168	0.40	ng/ul	0.09
16) Chrysene-d12	21.31	240	166	0.40	ng/ul	0.05
20) Perylene-d12	23.47	264	12604	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	2254	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.19	212	505	0.00	ng/ul	0.10
Target Compounds						
					Ovalue	
3) Naphthalene	10.49	128	552	0.026	ng/ul#	70
7) Acenaphthylene	14.02	152	8948	0.405	ng/ul	97
9) Fluorene	15.36	166	1001	0.052	ng/ul#	86
17) Pyrene	19.48	202	162073	286.264	ng/ul	96
18) Benzo(a)anthracene	21.29	228	55402	111.604	ng/ul#	83
19) Chrysene	21.29	228	55314	98.542	ng/ul	97
21) Benzo(b)fluoranthene	22.81	252	59494	1.314	ng/ul	86
22) Benzo(k)fluoranthene	22.98	252	4765	0.102	ng/ul	96
23) Benzo(a)pyrene	23.37	252	44095	1.036	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.69	276	19699	0.444	ng/ul#	79
25) Dibenzo(a,h)anthracene	25.69	278	5244	0.150	ng/ul	96
26) Benzo(g,h,i)perylene	26.36	276	28657	0.754	ng/ul	95

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



#3

Naphthalene

Concen: 0.026 ng/ul

RT: 10.49 min Scan# 2340

Delta R.T. -0.01 min

Lab File: BN002482.D

Acq: 24 Aug 2018 00:50

Instrument :

BNA_N

ClientSampleId :

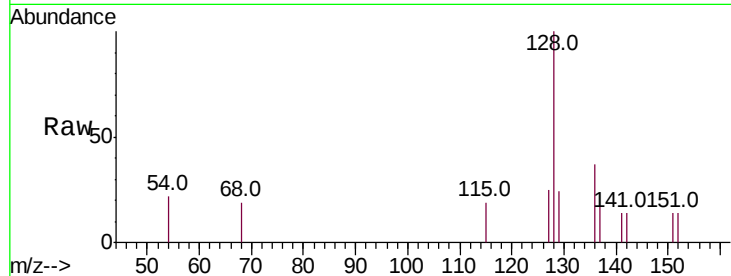
Tot Ion:128 Resp: 552

Ion Ratio Lower Upper

128 100

129 24.3 8.0 12.0#

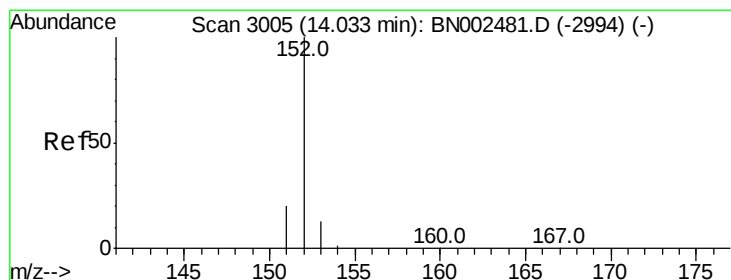
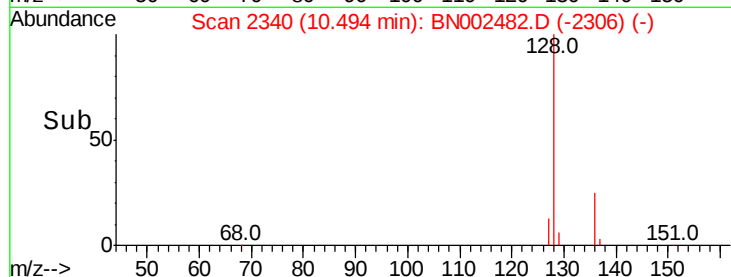
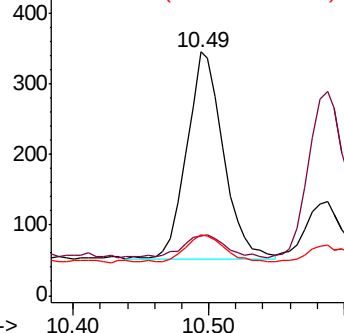
127 25.2 12.0 18.0#



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



#7

Acenaphthylene

Concen: 0.405 ng/ul

RT: 14.02 min Scan# 3003

Delta R.T. -0.01 min

Lab File: BN002482.D

Acq: 24 Aug 2018 00:50

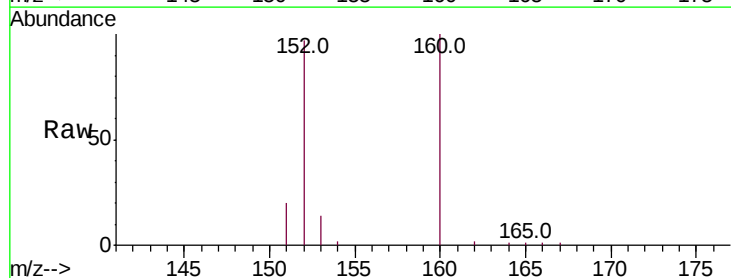
Tgt Ion:152 Resp: 8948

Ion Ratio Lower Upper

152 100

151 20.5 17.1 25.7

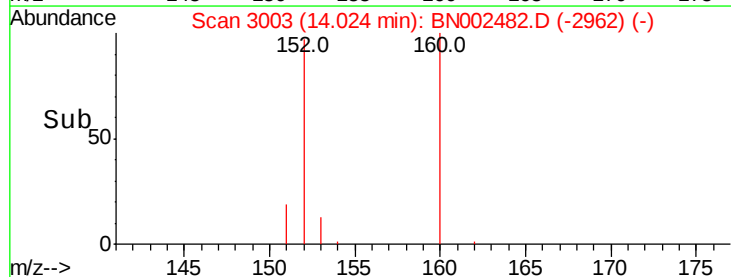
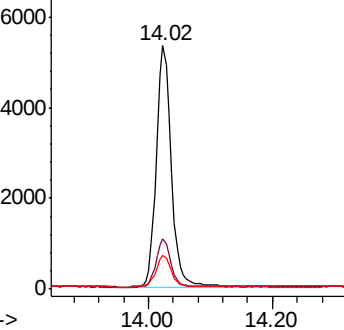
153 14.0 12.8 19.2

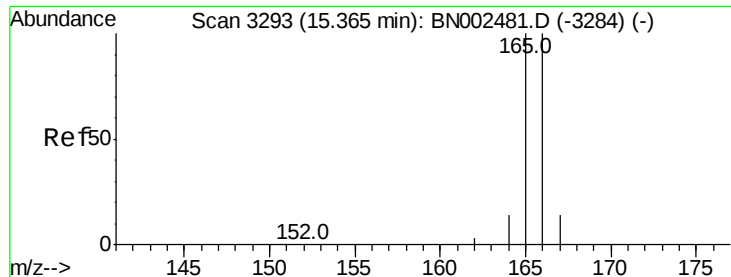


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Fluorene

Concen: 0.052 ng/ul

RT: 15.36 min Scan# 3292

Delta R.T. -0.00 min

Lab File: BN002482.D

Acq: 24 Aug 2018 00:50

Instrument :

BNA_N

ClientSampled :

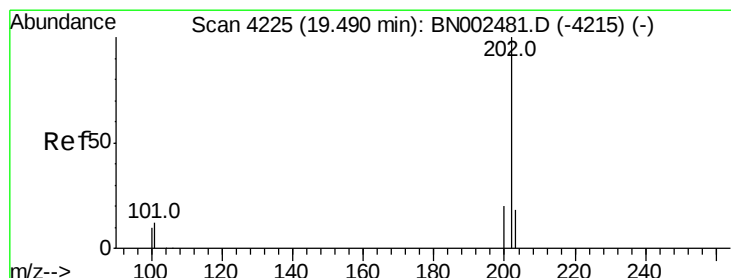
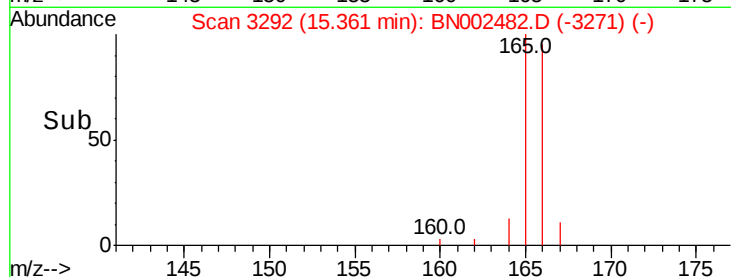
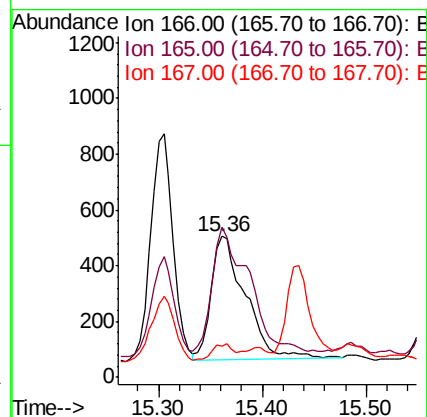
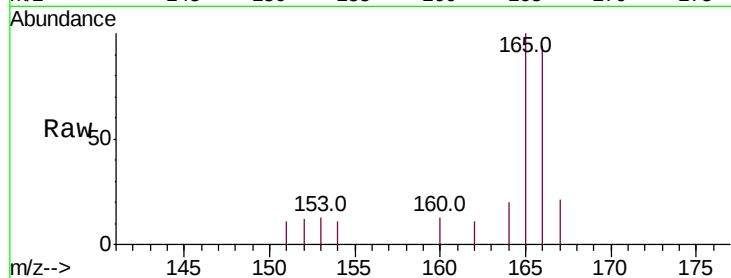
Tot Ion:166 Resp: 1001

Ion Ratio Lower Upper

166 100

165 106.7 73.4 110.2

167 22.0 14.6 22.0#



#17

Pyrene

Concen: 286.264 ng/ul

RT: 19.48 min Scan# 4223

Delta R.T. -0.01 min

Lab File: BN002482.D

Acq: 24 Aug 2018 00:50

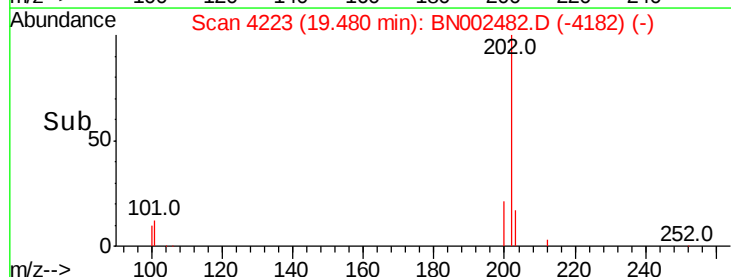
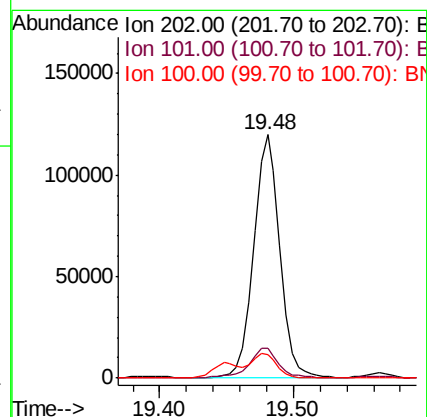
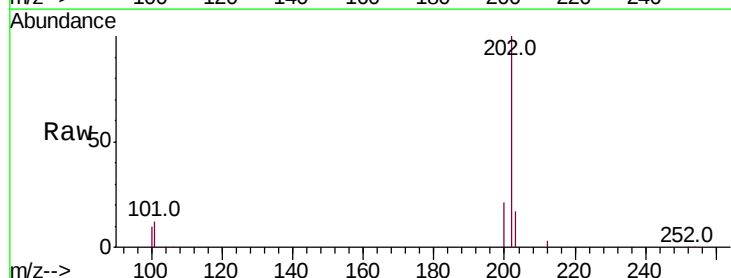
Tgt Ion:202 Resp: 162073

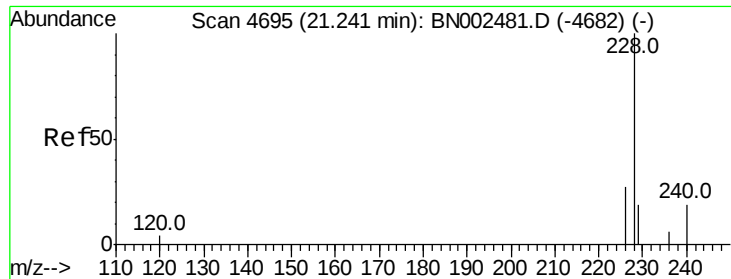
Ion Ratio Lower Upper

202 100

101 12.1 12.0 18.0

100 9.8 8.0 12.0





#18

Benzo(a)anthracene

Concen: 111.604 ng/ul

RT: 21.29 min Scan# 4711

Delta R.T. 0.05 min

Lab File: BN002482.D

Acq: 24 Aug 2018 00:50

Instrument :

BNA_N

ClientSampleId :

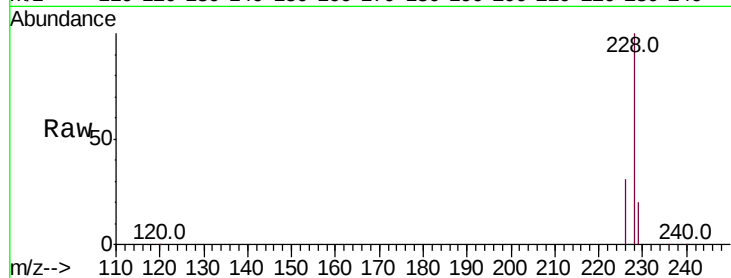
Tot Ion:228 Resp: 55402

Ion Ratio Lower Upper

228 100

229 20.4 22.8 34.2#

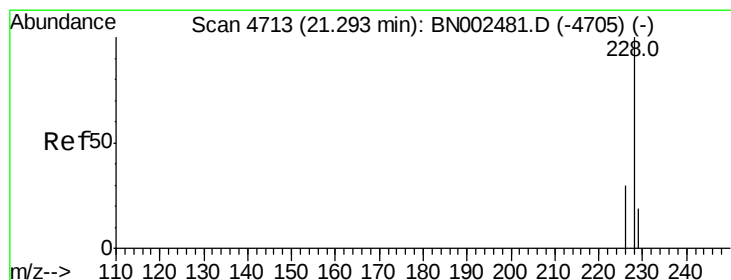
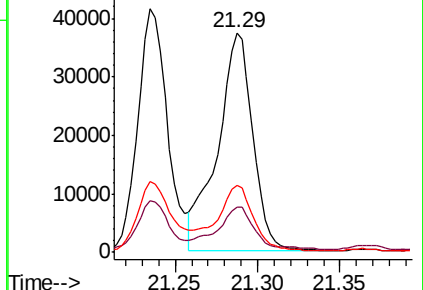
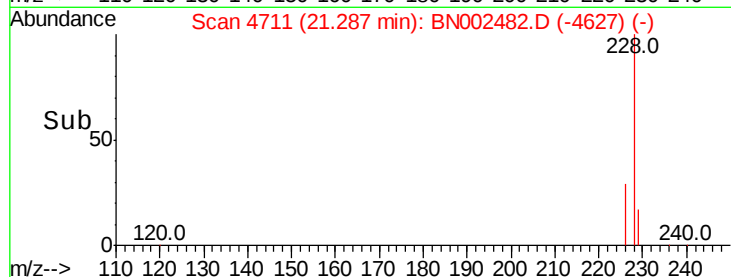
226 30.5 17.0 25.6#



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: 98.542 ng/ul

RT: 21.29 min Scan# 4711

Delta R.T. -0.01 min

Lab File: BN002482.D

Acq: 24 Aug 2018 00:50

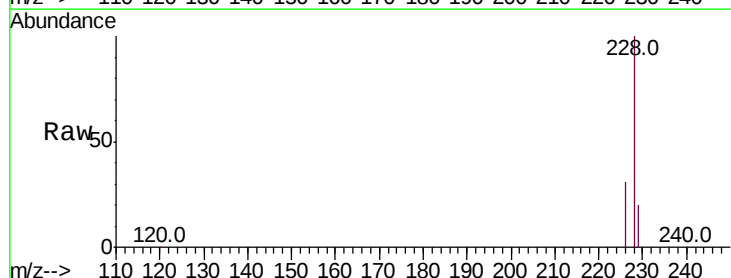
Tgt Ion:228 Resp: 55314

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

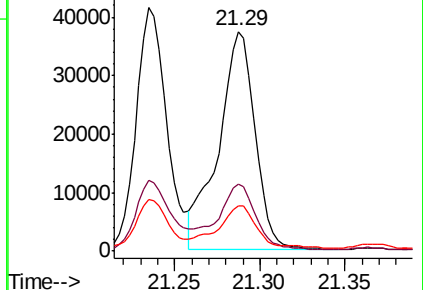
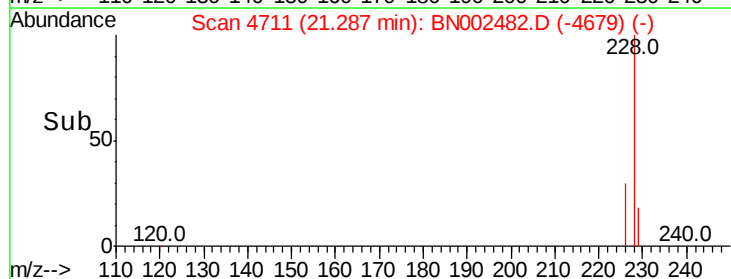
229 20.4 17.7 26.5

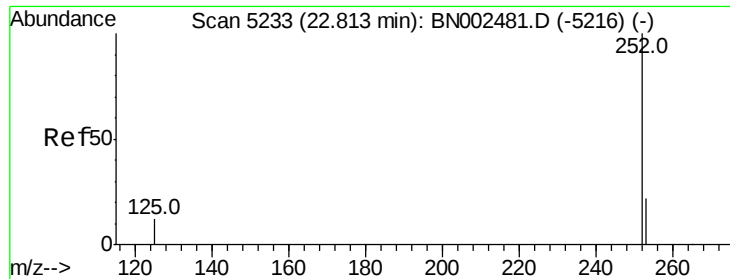


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 1.314 ng/u1

RT: 22.81 min Scan# 5233

Delta R.T. -0.00 min

Lab File: BN002482.D

Acq: 24 Aug 2018 00:50

Instrument :

BNA_N

ClientSampleId :

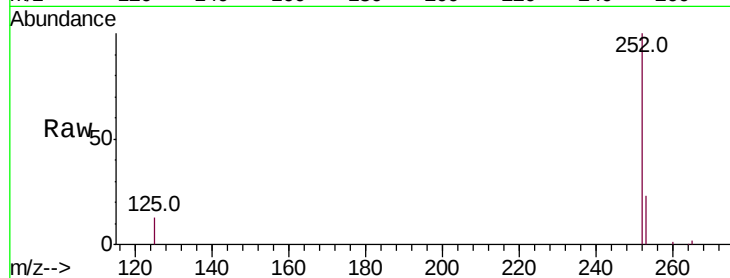
Tot Ion:252 Resp: 59494

Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

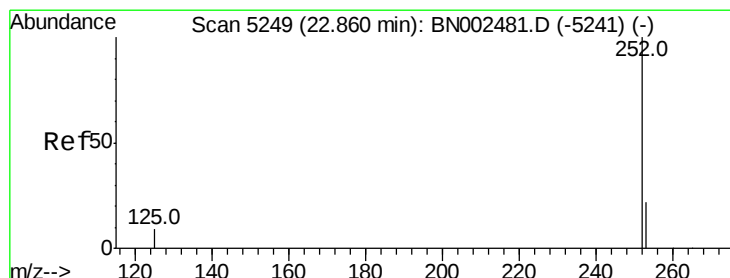
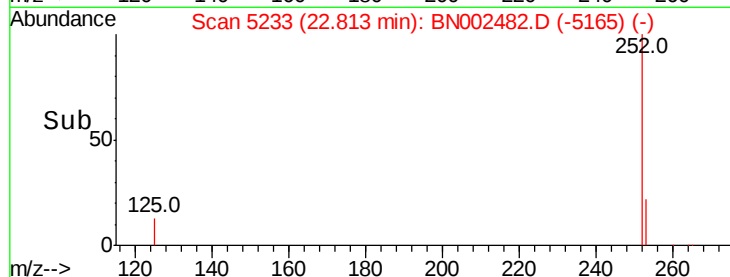
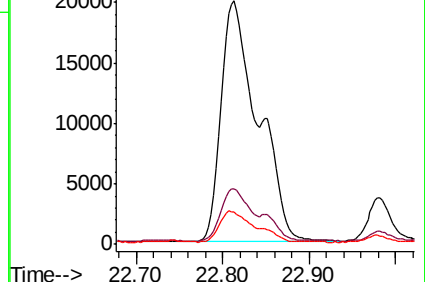
125 13.5 0.0 35.0



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: 0.102 ng/u1

RT: 22.98 min Scan# 5291

Delta R.T. 0.12 min

Lab File: BN002482.D

Acq: 24 Aug 2018 00:50

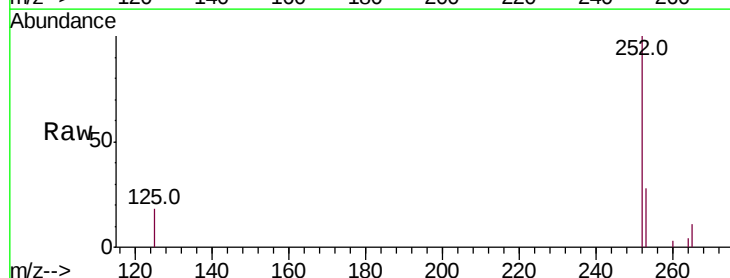
Tgt Ion:252 Resp: 4765

Ion Ratio Lower Upper

252 100

253 27.7 24.5 36.7

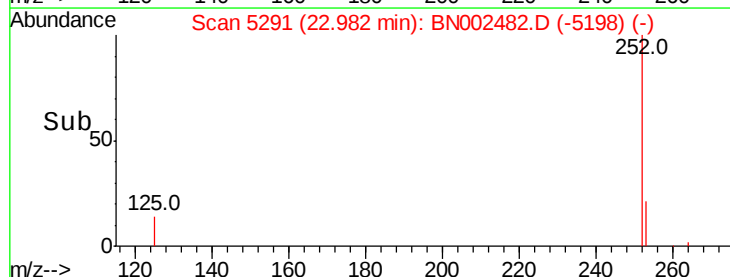
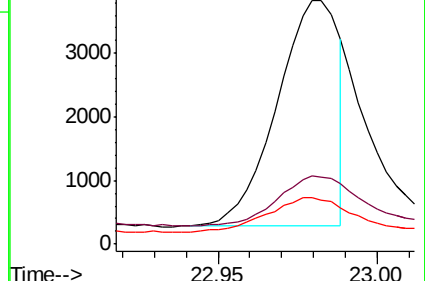
125 18.1 13.7 20.5

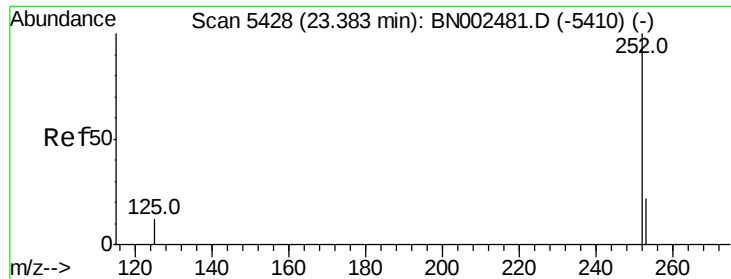


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.036 ng/ul

RT: 23.37 min Scan# 5425

Delta R.T. -0.01 min

Lab File: BN002482.D

Acq: 24 Aug 2018 00:50

Instrument :

BNA_N

ClientSampleId :

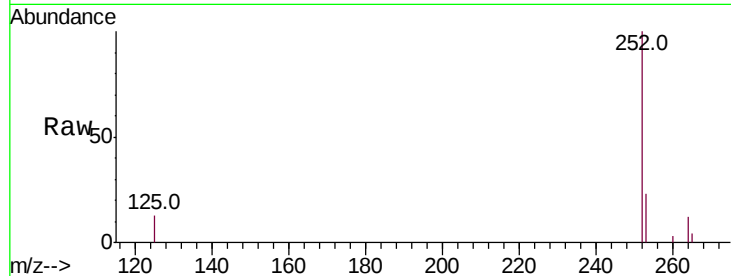
Tot Ion:252 Resp: 44095

Ion Ratio Lower Upper

252 100

253 22.7 16.0 24.0

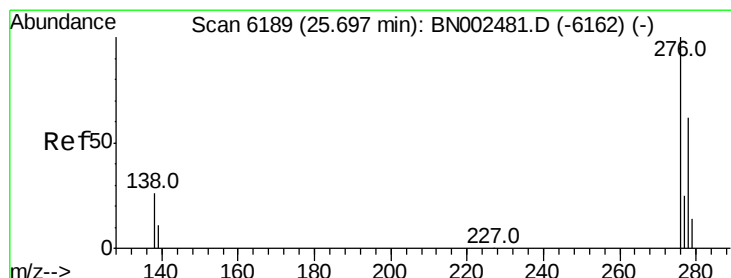
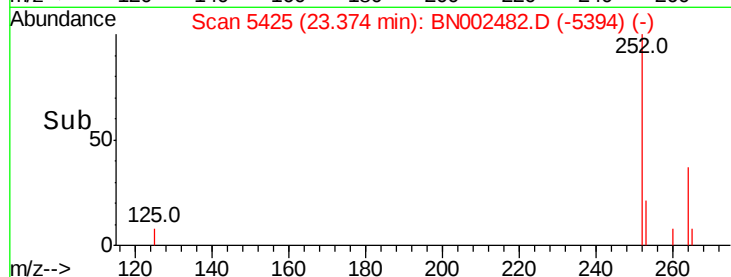
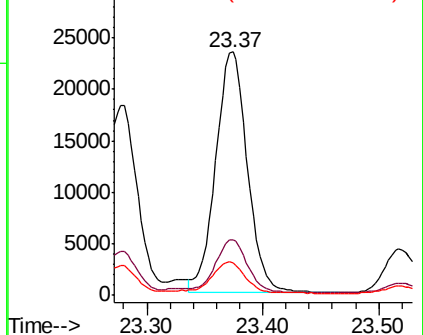
125 13.1 12.0 18.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.444 ng/ul

RT: 25.69 min Scan# 6186

Delta R.T. -0.01 min

Lab File: BN002482.D

Acq: 24 Aug 2018 00:50

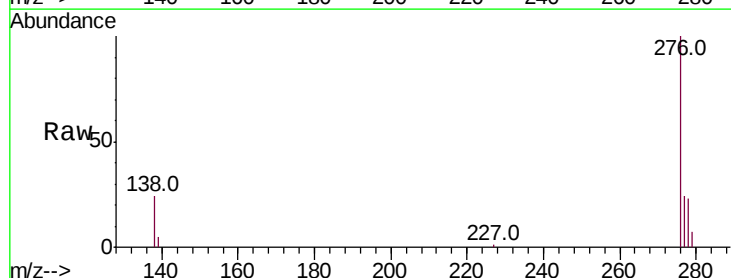
Tgt Ion:276 Resp: 19699

Ion Ratio Lower Upper

276 100

138 22.4 28.0 42.0#

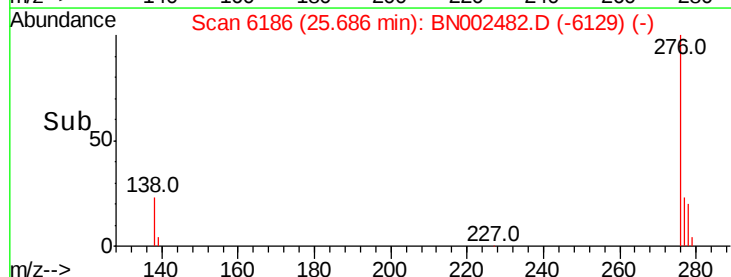
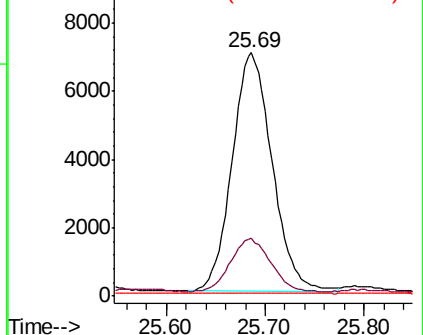
227 0.0 0.8 1.2#

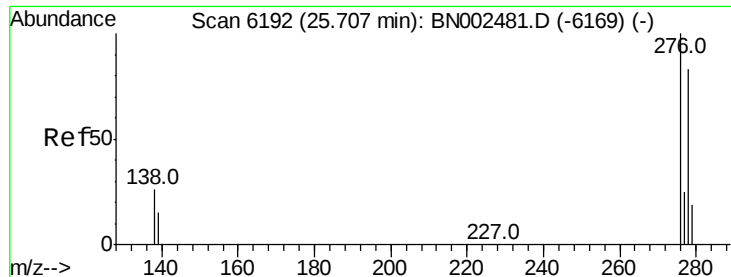


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.150 ng/u1

RT: 25.69 min Scan# 6186

Delta R.T. -0.02 min

Lab File: BN002482.D

Acq: 24 Aug 2018 00:50

Instrument :

BNA_N

ClientSampled :

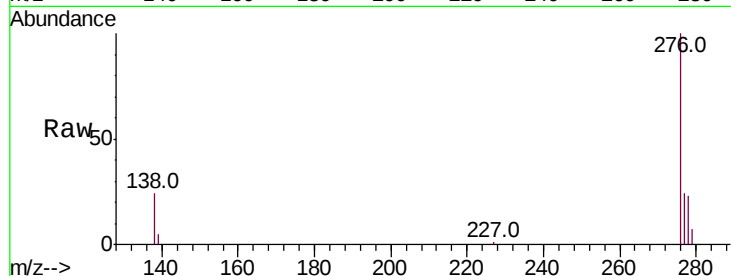
Tot Ion:278 Resp: 5244

Ion Ratio Lower Upper

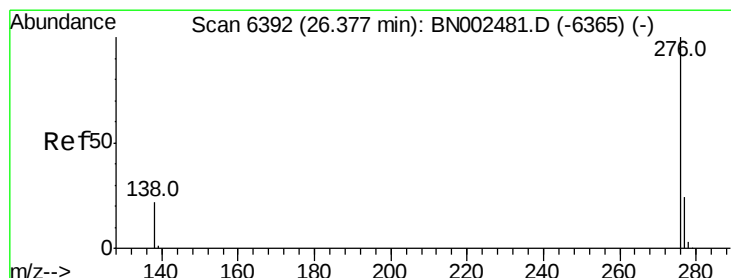
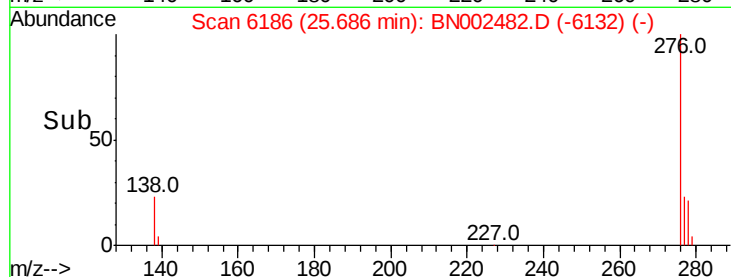
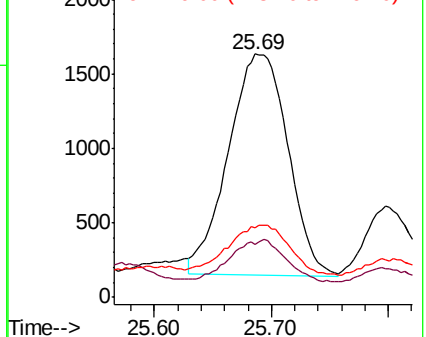
278 100

139 21.5 17.4 26.0

279 28.6 25.9 38.9



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(g,h,i)perylene

Concen: 0.754 ng/u1

RT: 26.36 min Scan# 6388

Delta R.T. -0.01 min

Lab File: BN002482.D

Acq: 24 Aug 2018 00:50

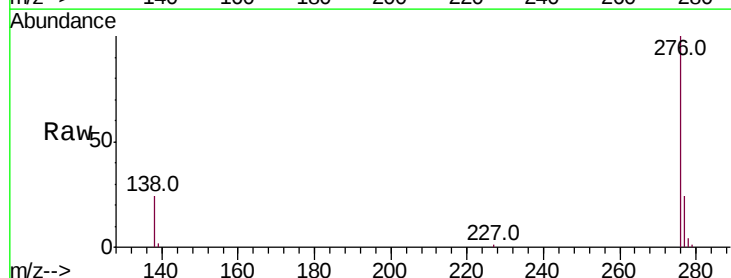
Tgt Ion:276 Resp: 28657

Ion Ratio Lower Upper

276 100

138 23.6 21.8 32.8

277 23.9 20.5 30.7



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

