

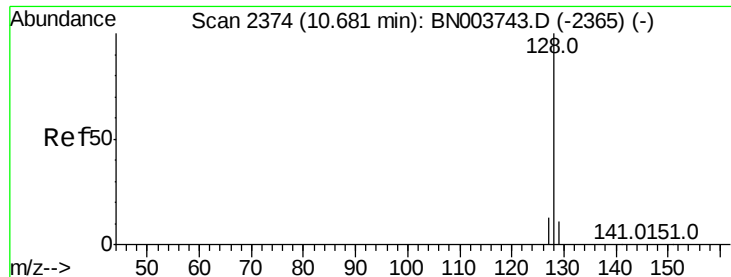
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120718\
 Data File : BN003758.D
 Acq On : 07 Dec 2018 10:10
 Operator : JU/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.492

Quant Time: Dec 07 10:57:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 07 04:08:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	5935	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	24254	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	12472	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	27321	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	24966	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	21566	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	14862	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	33803	0.42	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.68	128	28221	0.414	ng/ul	100
5) 2-Methylnaphthalene	12.29	142	19629	0.413	ng/ul	100
7) Acenaphthylene	14.19	152	24338	0.433	ng/ul	100
8) Acenaphthene	14.53	153	20694	0.421	ng/ul	99
9) Fluorene	15.52	166	22971	0.400	ng/ul	99
11) Pentachlorophenol	16.86	266	2231	0.453	ng/ul	100
12) Phenanthrene	17.26	178	37607	0.419	ng/ul	100
13) Anthracene	17.34	178	32093	0.435	ng/ul	100
15) Fluoranthene	19.27	202	45386	0.429	ng/ul	98
17) Pyrene	19.63	202	43393	0.485	ng/ul	97
18) Benzo(a)anthracene	21.38	228	37262	0.473	ng/ul	99
19) Chrysene	21.43	228	37013	0.410	ng/ul	100
21) Benzo(b)fluoranthene	23.00	252	35749	0.401	ng/ul	99
22) Benzo(k)fluoranthene	23.05	252	36056	0.415	ng/ul	99
23) Benzo(a)pyrene	23.60	252	32285	0.418	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	26.05	276	34712	0.392	ng/ul	98
25) Dibenzo(a,h)anthracene	26.06	278	27612	0.387	ng/ul	99
26) Benzo(g,h,i)perylene	26.77	276	29052	0.377	ng/ul	98

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



#3

Naphthalene

Concen: 0.414 ng/ul

RT: 10.68 min Scan# 2373

Delta R.T. -0.01 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.492

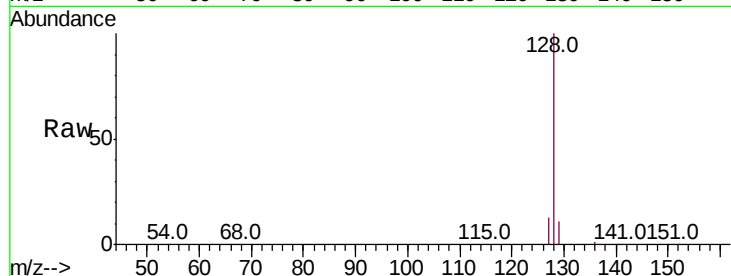
Tot Ion:128 Resp: 28221

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

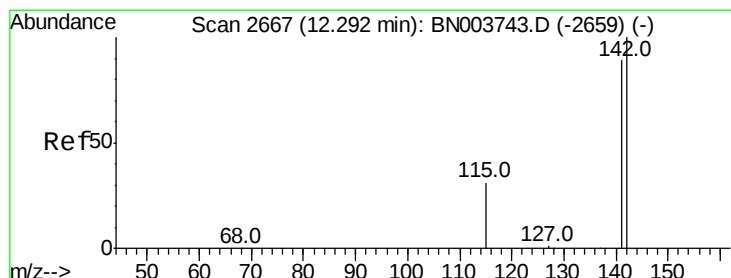
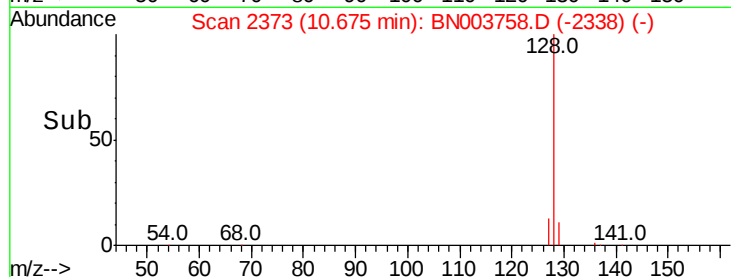
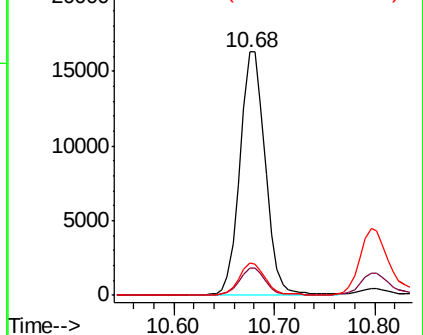
127 13.3 10.5 15.7



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: 0.413 ng/ul

RT: 12.29 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BN003758.D

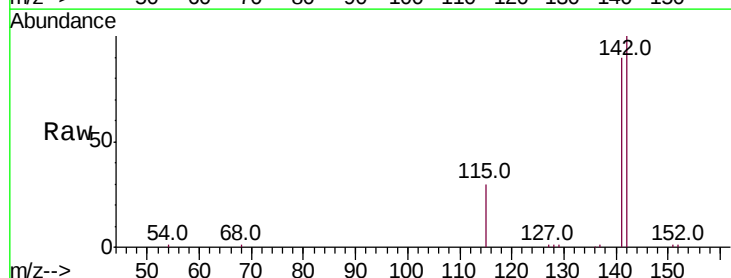
Acq: 07 Dec 2018 10:10

Tgt Ion:142 Resp: 19629

Ion Ratio Lower Upper

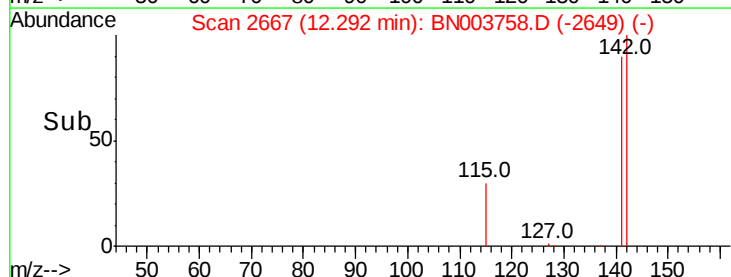
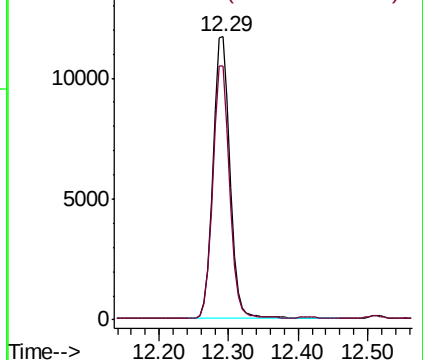
142 100

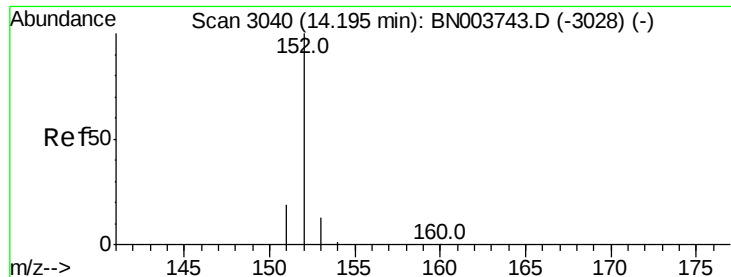
141 89.1 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.433 ng/ul

RT: 14.19 min Scan# 3039

Delta R.T. -0.00 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.492

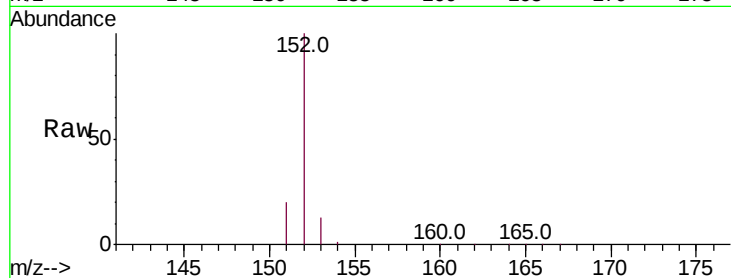
Tot Ion:152 Resp: 24338

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

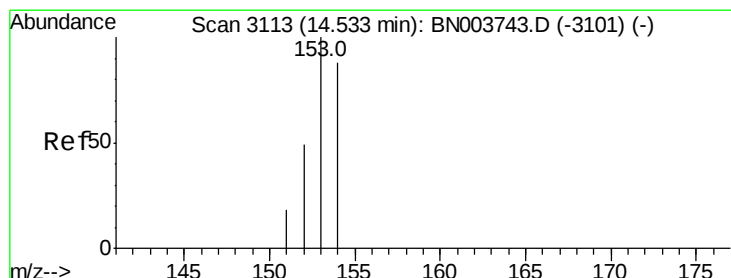
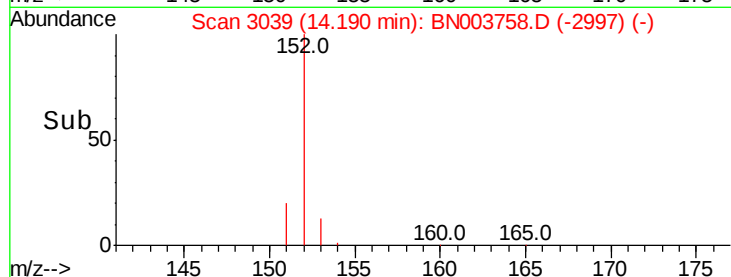
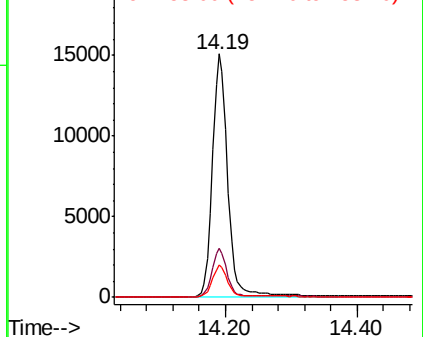
153 13.2 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

20000 Ion 151.00 (150.70 to 151.70): E

15000 Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.421 ng/ul

RT: 14.53 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

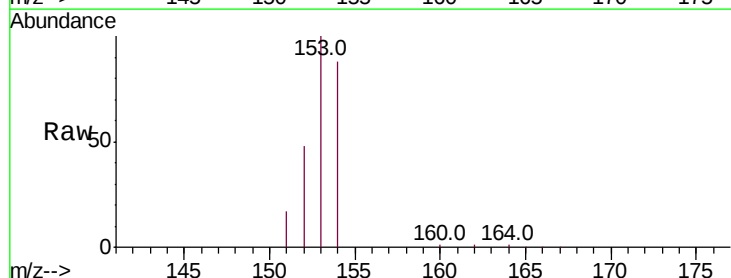
Tgt Ion:153 Resp: 20694

Ion Ratio Lower Upper

153 100

152 48.1 39.3 58.9

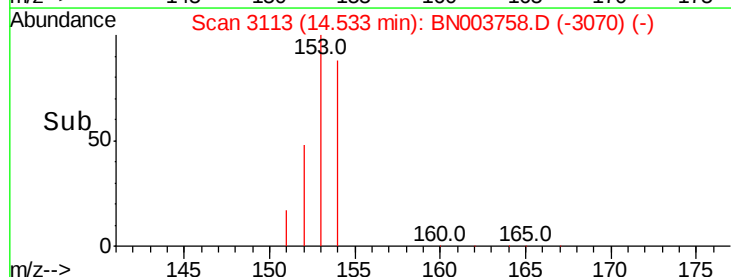
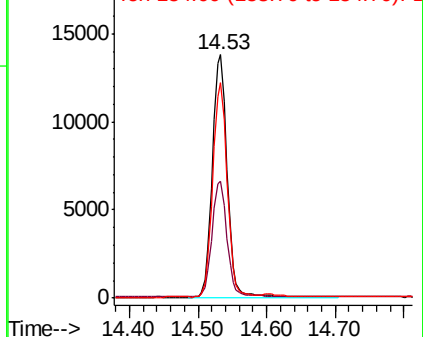
154 88.4 70.3 105.5

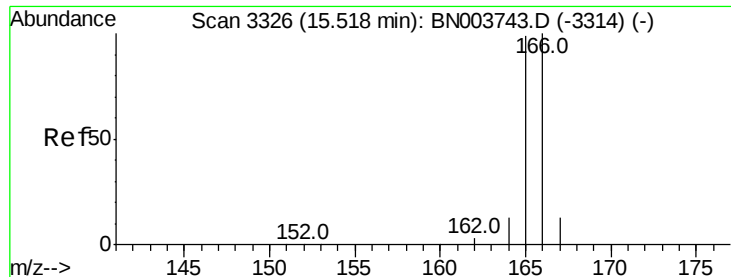


Abundance Ion 153.00 (152.70 to 153.70): E

15000 Ion 152.00 (151.70 to 152.70): E

10000 Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.400 ng/ul

RT: 15.52 min Scan# 3326

Delta R.T. 0.00 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.492

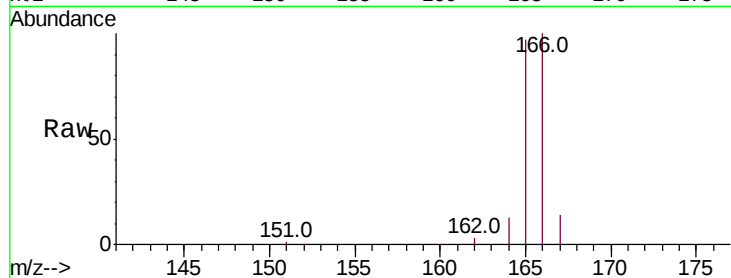
Tot Ion:166 Resp: 22971

Ion Ratio Lower Upper

166 100

165 96.7 78.3 117.5

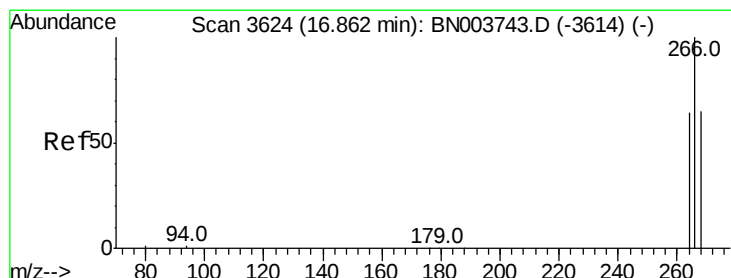
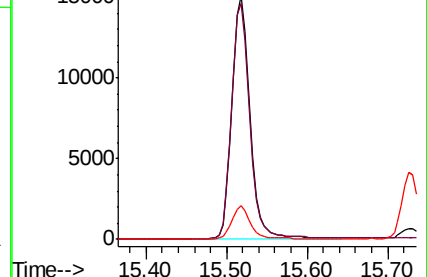
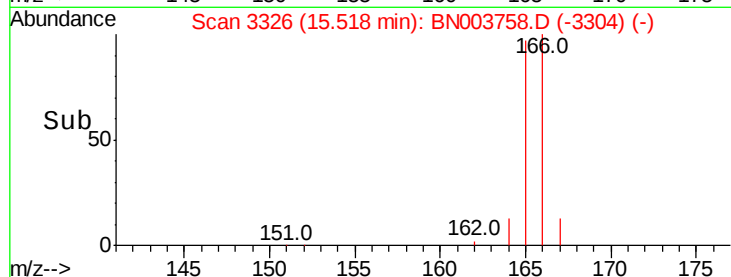
167 13.6 11.3 16.9



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



#11

Pentachlorophenol

Concen: 0.453 ng/ul

RT: 16.86 min Scan# 3623

Delta R.T. -0.00 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

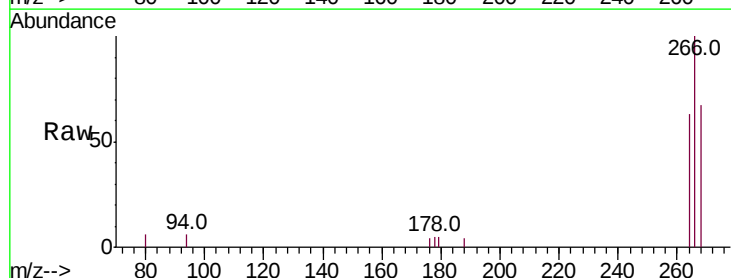
Tgt Ion:266 Resp: 2231

Ion Ratio Lower Upper

266 100

264 61.6 49.4 74.2

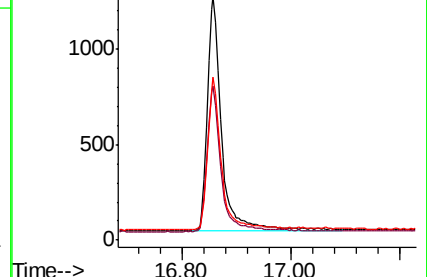
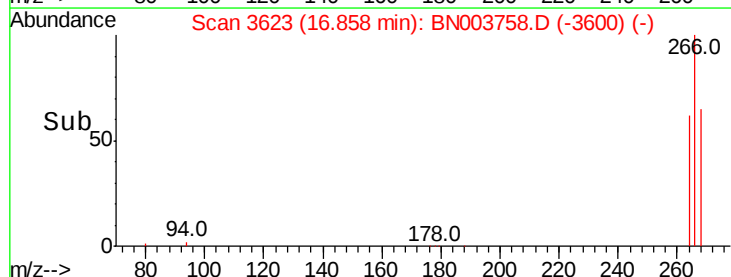
268 64.4 51.7 77.5

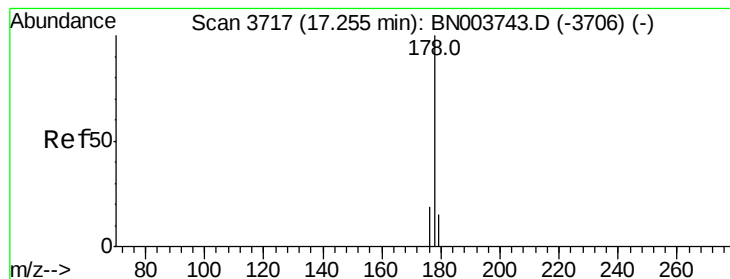


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.419 ng/ul

RT: 17.26 min Scan# 3717

Delta R.T. 0.00 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.492

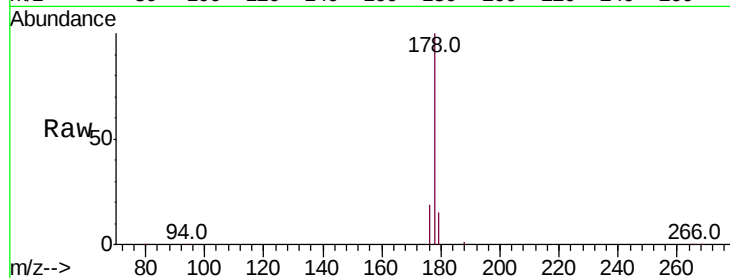
Tot Ion:178 Resp: 37607

Ion Ratio Lower Upper

178 100

179 15.4 12.5 18.7

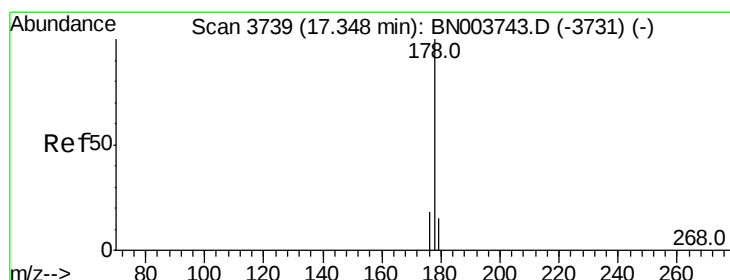
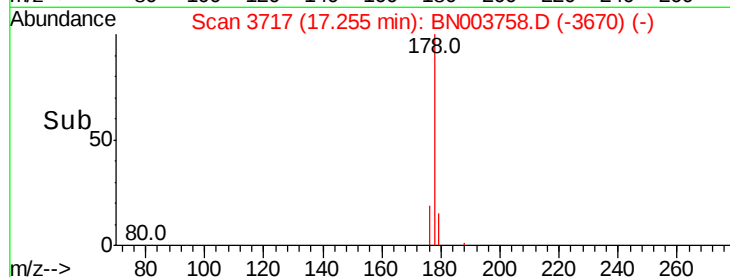
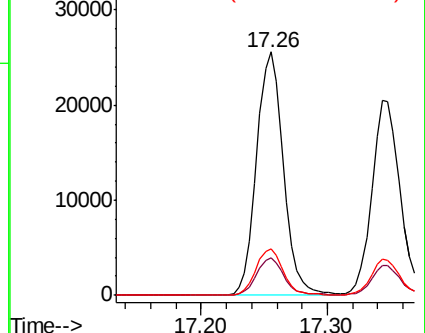
176 18.8 15.0 22.4



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: 0.435 ng/ul

RT: 17.34 min Scan# 3738

Delta R.T. -0.00 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

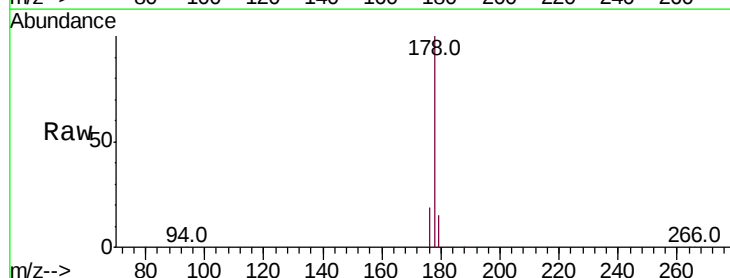
Tgt Ion:178 Resp: 32093

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

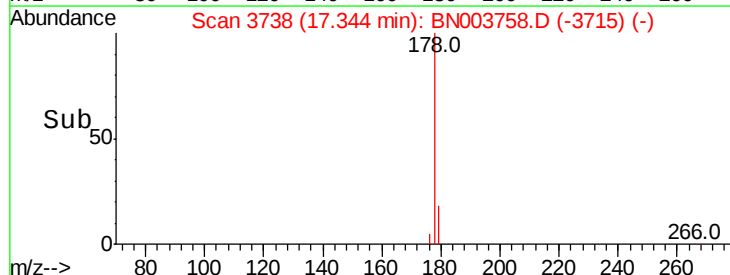
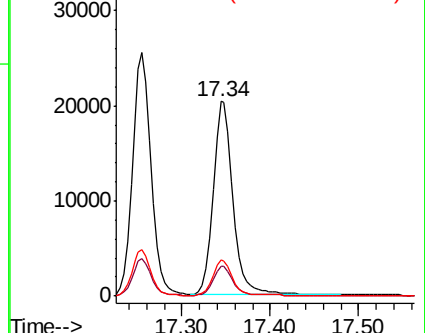
176 18.7 14.8 22.2

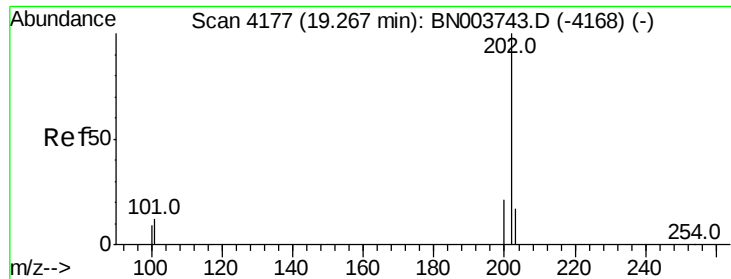


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

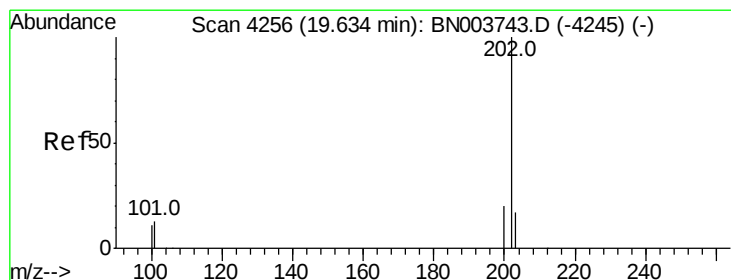
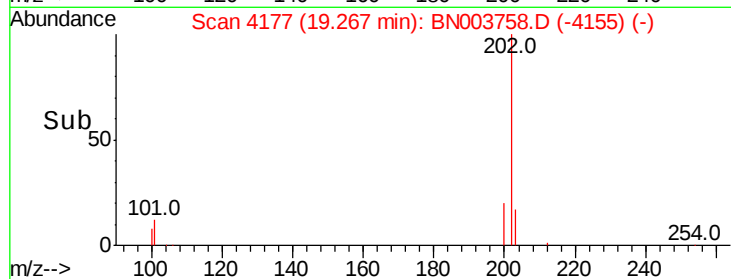
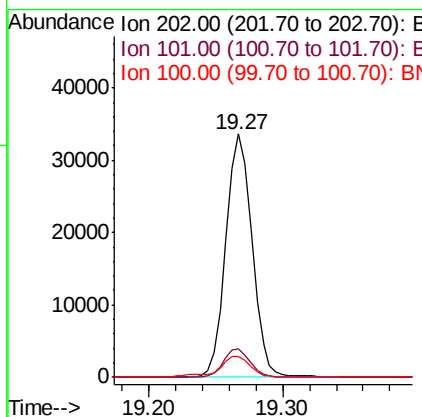
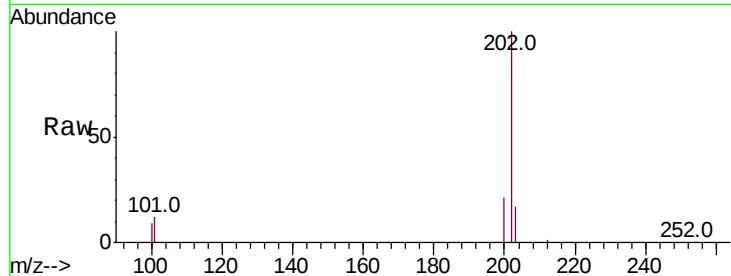




#15
Fluoranthene
 Concen: 0.429 ng/ul
 RT: 19.27 min Scan# 4177
 Delta R.T. 0.00 min
 Lab File: BN003758.D
 Acq: 07 Dec 2018 10:10

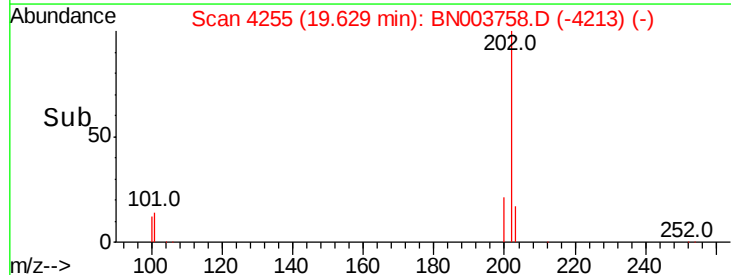
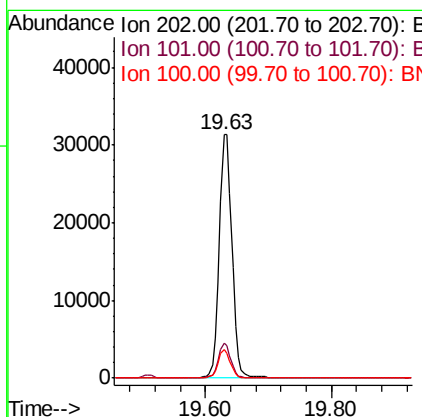
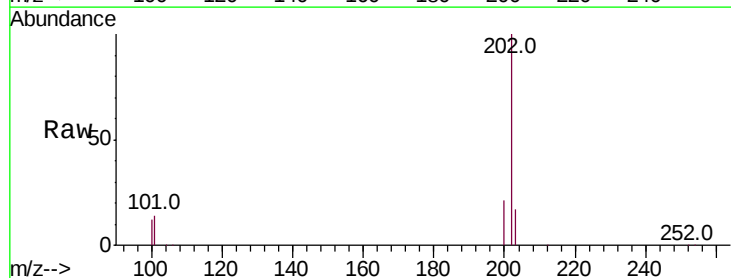
Instrument :
 BNA_N
 ClientSampleId :
 SST0.492

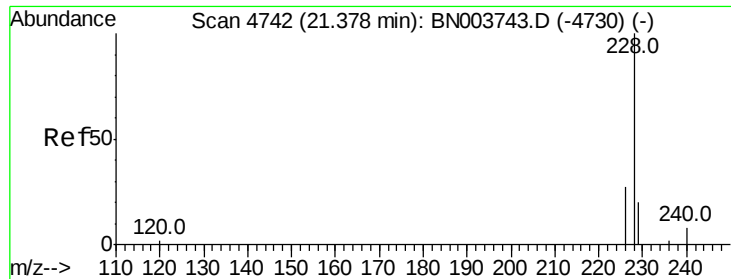
Tot Ion:202 Resp: 45386
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 30.7
 100 8.6 0.0 28.1



#17
Pyrene
 Concen: 0.485 ng/ul
 RT: 19.63 min Scan# 4255
 Delta R.T. -0.00 min
 Lab File: BN003758.D
 Acq: 07 Dec 2018 10:10

Tgt Ion:202 Resp: 43393
 Ion Ratio Lower Upper
 202 100
 101 14.5 10.3 15.5
 100 11.7 8.5 12.7





#18

Benzo(a)anthracene

Concen: 0.473 ng/ul

RT: 21.38 min Scan# 4742

Delta R.T. -0.00 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.492

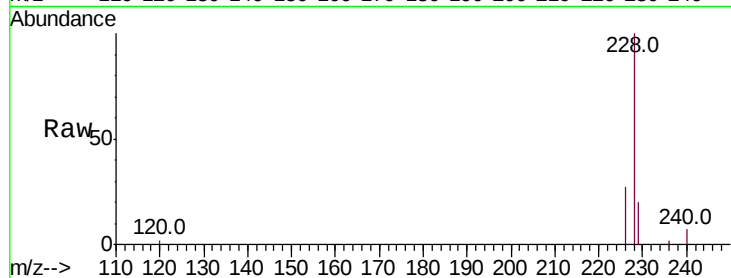
Tot Ion:228 Resp: 37262

Ion Ratio Lower Upper

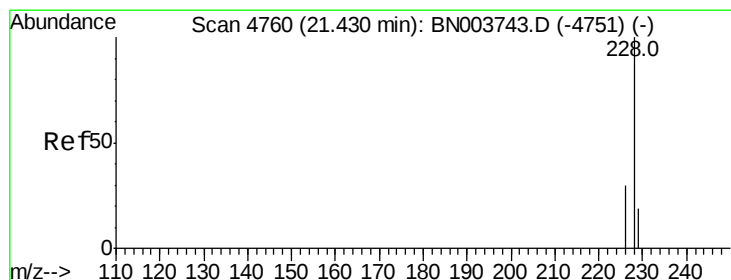
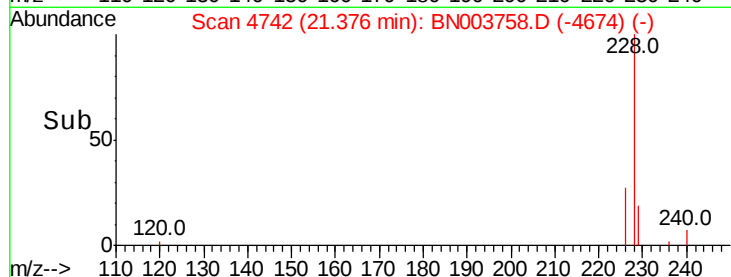
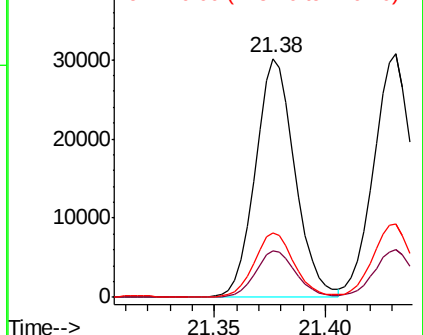
228 100

229 19.6 15.6 23.4

226 27.0 21.1 31.7



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: 0.410 ng/ul

RT: 21.43 min Scan# 4761

Delta R.T. 0.00 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

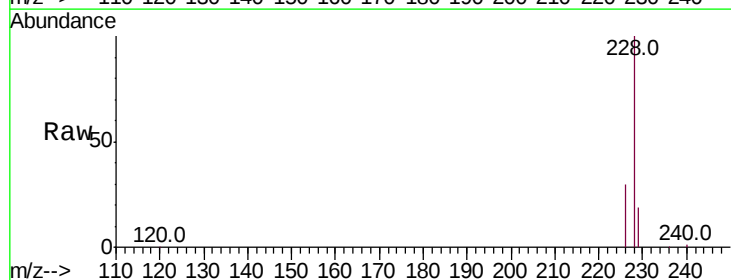
Tgt Ion:228 Resp: 37013

Ion Ratio Lower Upper

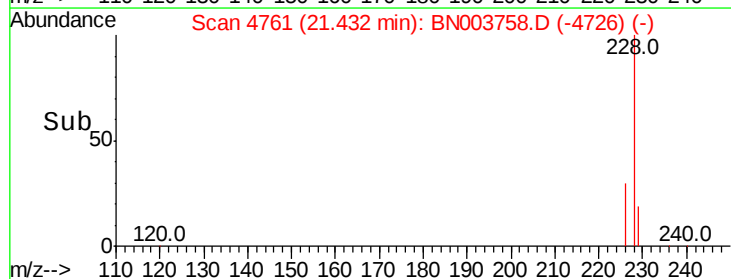
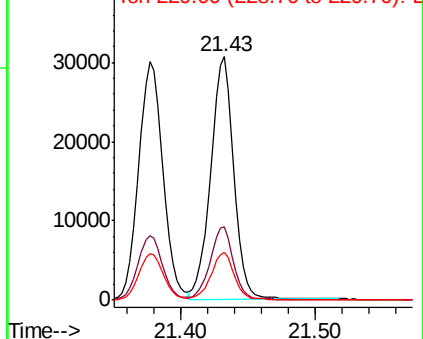
228 100

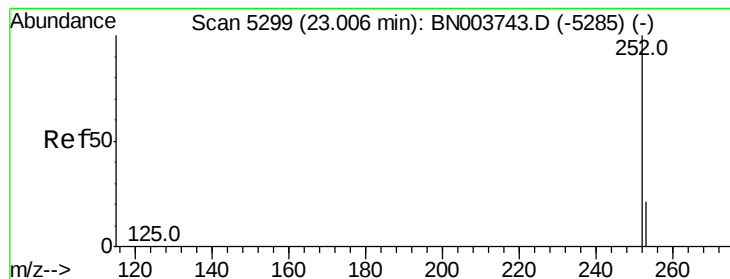
226 29.9 24.0 36.0

229 19.4 15.7 23.5



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: 0.401 ng/ul

RT: 23.00 min Scan# 5298

Delta R.T. -0.00 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.492

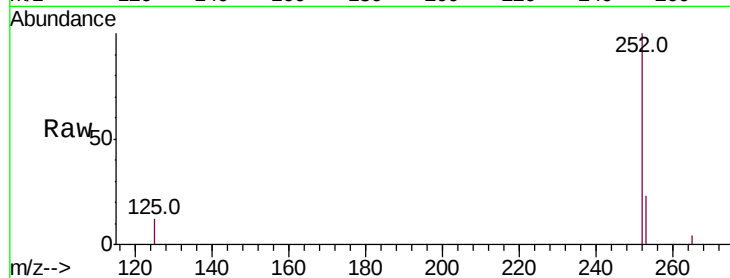
Tot Ion:252 Resp: 35749

Ion Ratio Lower Upper

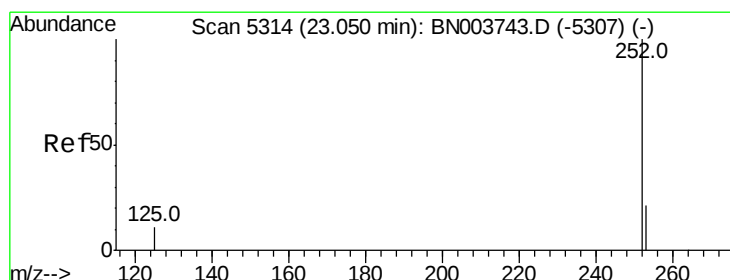
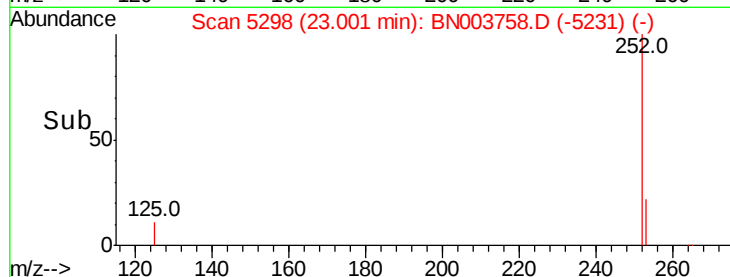
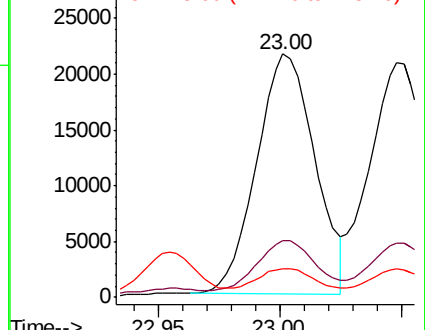
252 100

253 23.2 0.0 46.0

125 12.0 0.0 22.4



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



#22

Benzo(k)fluoranthene

Concen: 0.415 ng/ul

RT: 23.05 min Scan# 5314

Delta R.T. -0.00 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

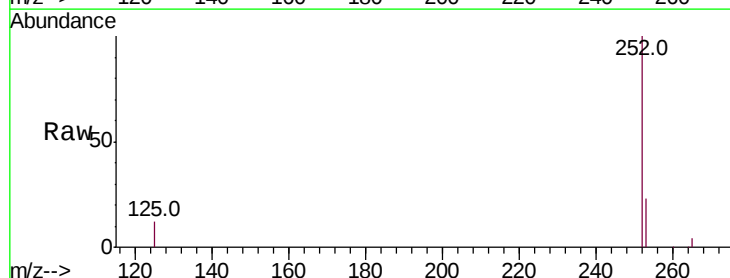
Tgt Ion:252 Resp: 36056

Ion Ratio Lower Upper

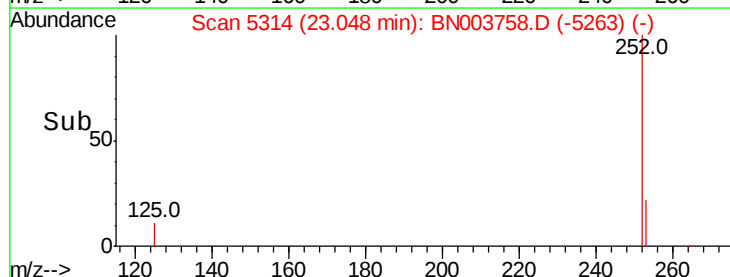
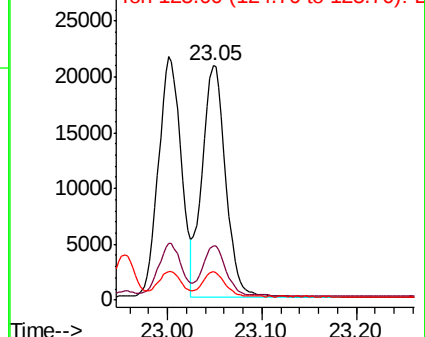
252 100

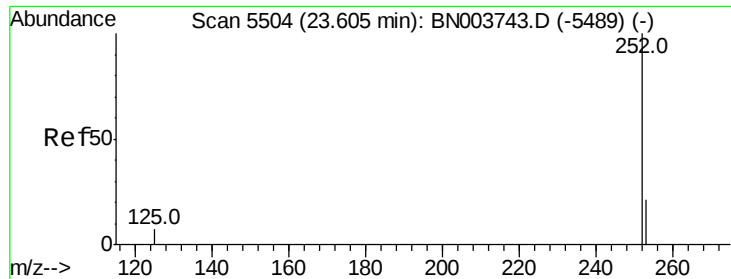
253 23.2 18.5 27.7

125 12.0 9.0 13.6



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





#23

Benzo(a)pyrene

Concen: 0.418 ng/ul

RT: 23.60 min Scan# 5503

Delta R.T. -0.00 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.492

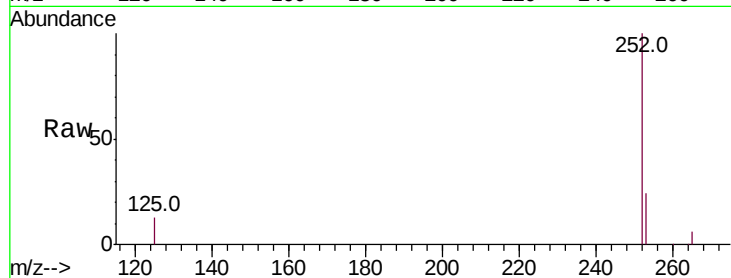
Tot Ion:252 Resp: 32285

Ion Ratio Lower Upper

252 100

253 23.8 19.0 28.4

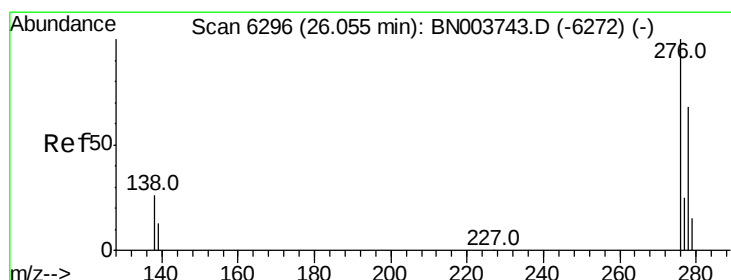
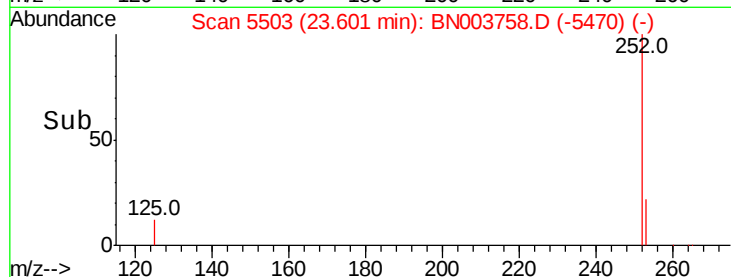
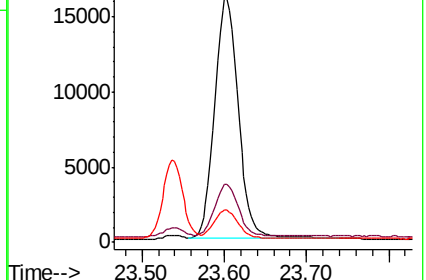
125 13.4 10.2 15.4



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: 0.392 ng/ul

RT: 26.05 min Scan# 6295

Delta R.T. -0.00 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

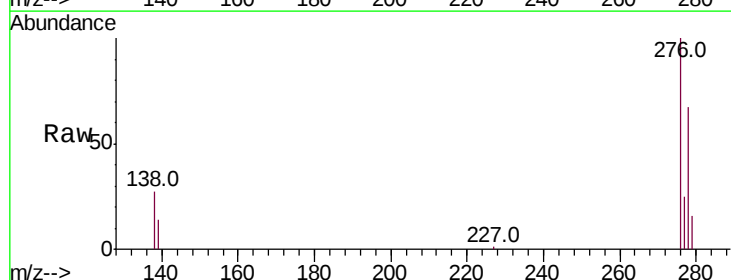
Tgt Ion:276 Resp: 34712

Ion Ratio Lower Upper

276 100

138 26.2 20.3 30.5

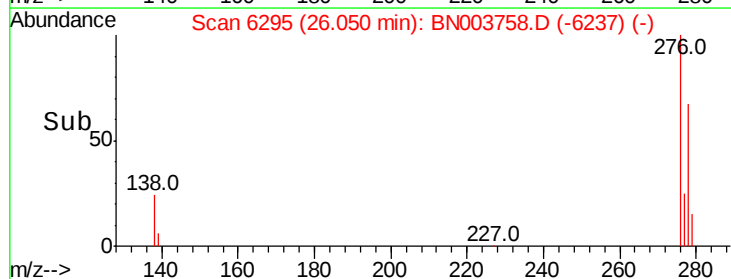
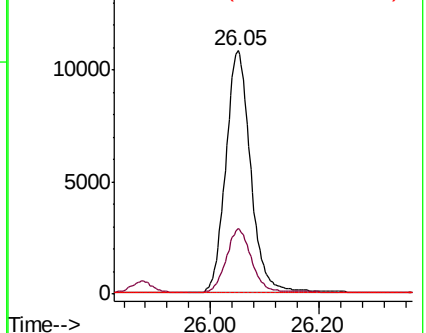
227 0.2 0.2 0.2

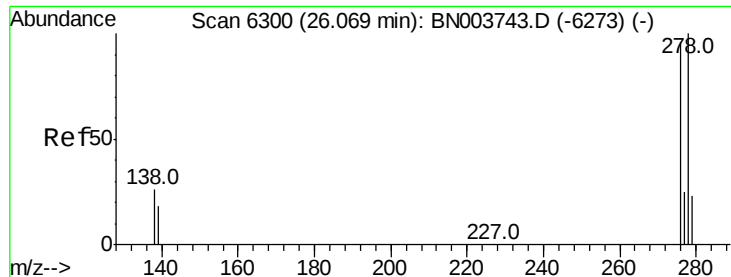


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.387 ng/ul

RT: 26.06 min Scan# 6298

Delta R.T. -0.01 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.492

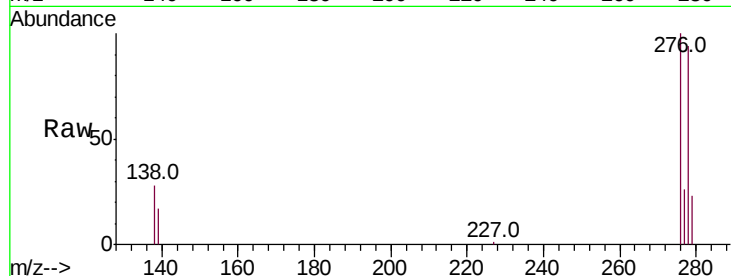
Tot Ion:278 Resp: 27612

Ion Ratio Lower Upper

278 100

139 18.5 14.2 21.4

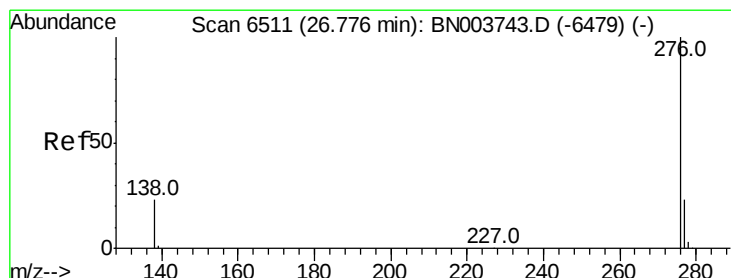
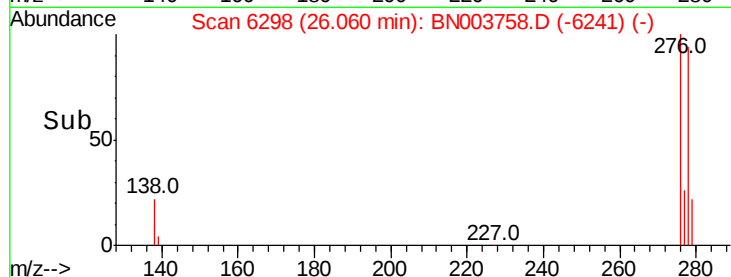
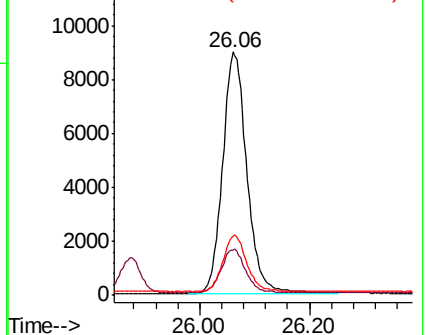
279 24.3 19.8 29.6



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: 0.377 ng/ul

RT: 26.77 min Scan# 6510

Delta R.T. -0.00 min

Lab File: BN003758.D

Acq: 07 Dec 2018 10:10

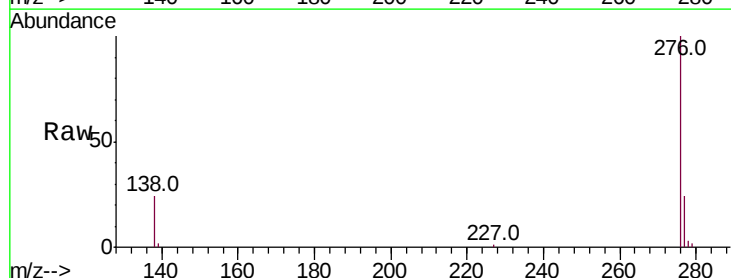
Tgt Ion:276 Resp: 29052

Ion Ratio Lower Upper

276 100

138 23.7 17.7 26.5

277 24.2 19.3 28.9



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

