

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122818\
 Data File : BN004259.D
 Acq On : 28 Dec 2018 13:16
 Operator : JU/SJ
 Sample : SSTD0.152
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 28 15:24:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN122818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 28 15:21:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	2055	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	8998	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.48	164	5137	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	11574	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	14238	0.40	ng/ul	0.00
20) Perylene-d12	23.73	264	12509	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.23	152	1295	0.11	ng/ul	0.02
14) Fluoranthene-d10	19.25	212	3424	0.13	ng/ul	0.00

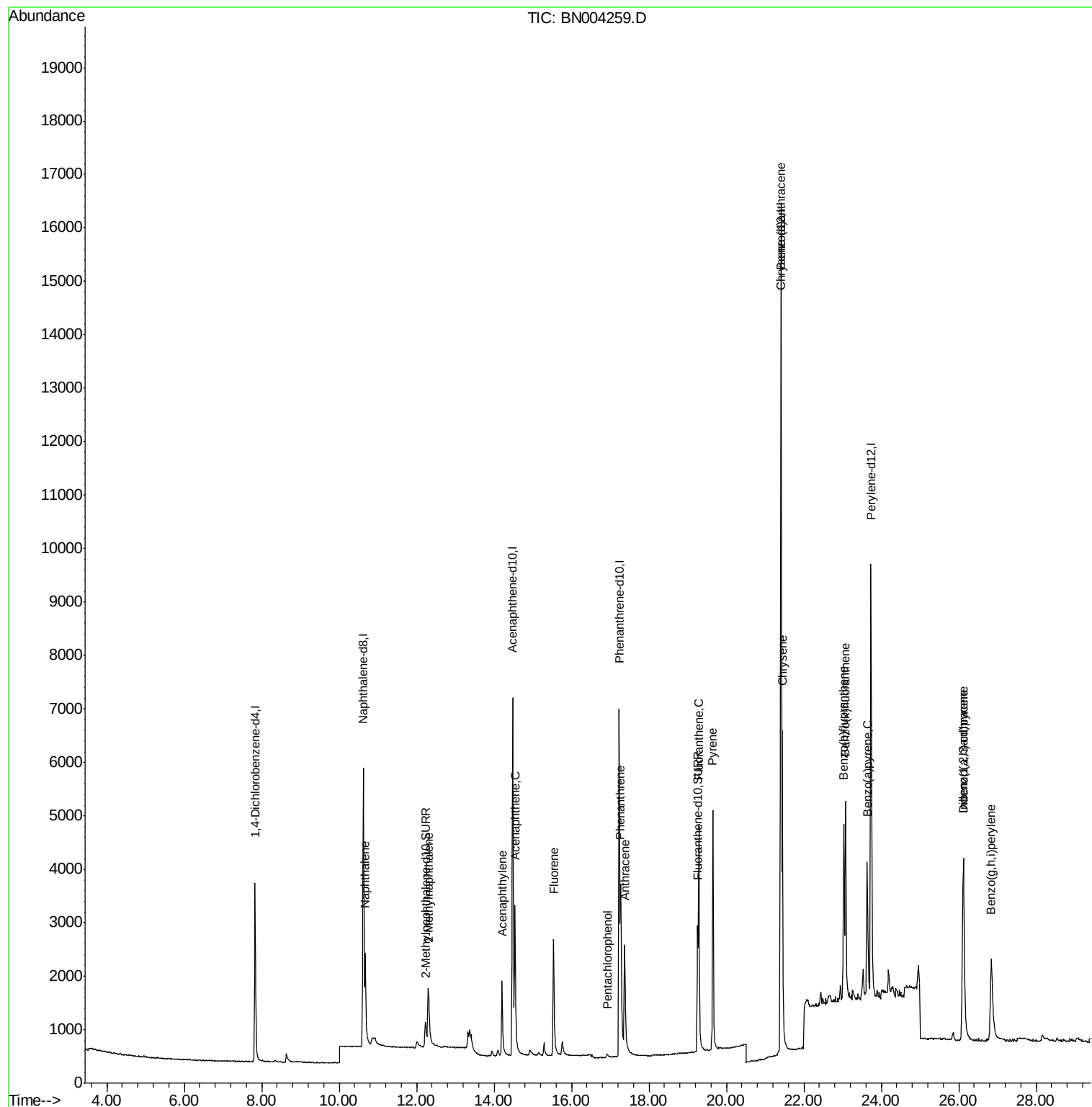
Target Compounds				Ovalue		
3) Naphthalene	10.68	128	2567	0.089	ng/ul#	93
5) 2-Methylnaphthalene	12.30	142	1623	0.089	ng/ul	96
7) Acenaphthylene	14.20	152	2466	0.096	ng/ul#	93
8) Acenaphthene	14.54	153	2051	0.083	ng/ul	98
9) Fluorene	15.54	166	2146	0.080	ng/ul#	98
11) Pentachlorophenol	16.92	266	101	0.043	ng/ul#	84
12) Phenanthrene	17.27	178	3843	0.081	ng/ul	96
13) Anthracene	17.37	178	3409	0.097	ng/ul	94
15) Fluoranthene	19.29	202	4550	0.099	ng/ul	97
17) Pyrene	19.65	202	4613	0.055	ng/ul	96
18) Benzo(a)anthracene	21.39	228	4975	0.089	ng/ul	96
19) Chrysene	21.44	228	5679	0.075	ng/ul	97
21) Benzo(b)fluoranthene	23.03	252	4659	0.062	ng/ul	85
22) Benzo(k)fluoranthene	23.07	252	5636	0.079	ng/ul#	83
23) Benzo(a)pyrene	23.64	252	4511	0.077	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.11	276	4864	0.073	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.12	278	3995	0.083	ng/ul#	81
26) Benzo(g,h,i)perylene	26.84	276	4119	0.063	ng/ul#	87

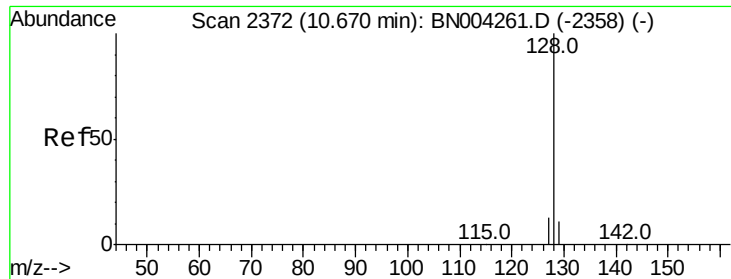
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.089 ng/ul

RT: 10.68 min Scan# 2373

Delta R.T. 0.01 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

Instrument :

BNA_N

ClientSampleId :

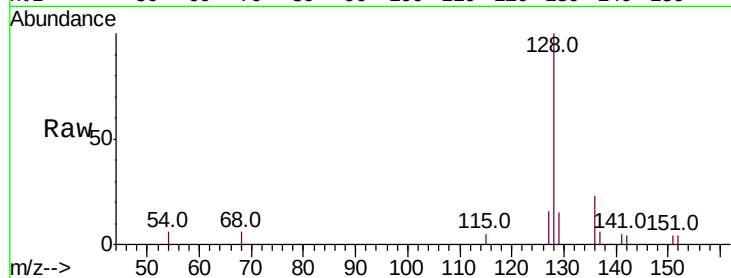
Tot Ion:128 Resp: 2567

Ion Ratio Lower Upper

128 100

129 15.4 9.5 14.3#

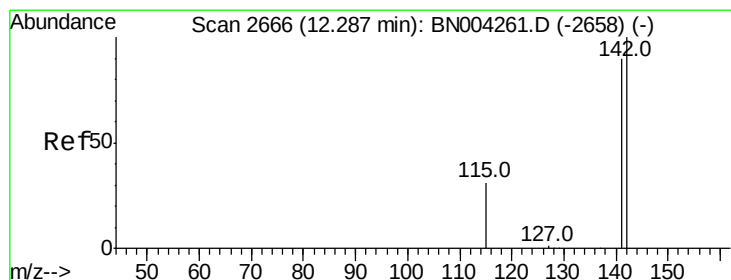
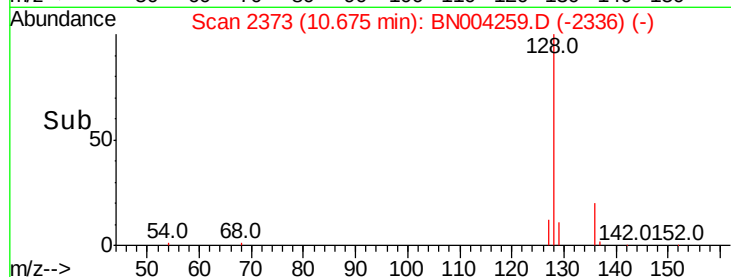
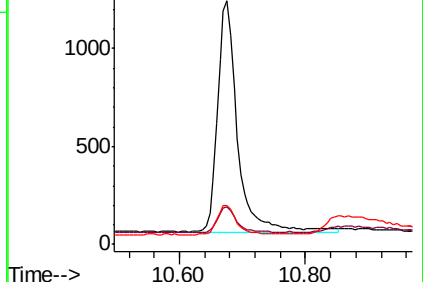
127 16.0 11.0 16.4



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: 0.089 ng/ul

RT: 12.30 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BN004259.D

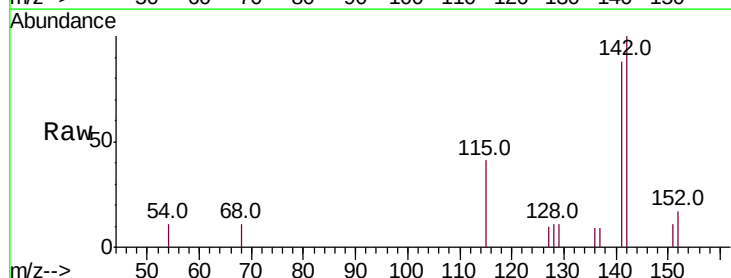
Acq: 28 Dec 2018 13:16

Tgt Ion:142 Resp: 1623

Ion Ratio Lower Upper

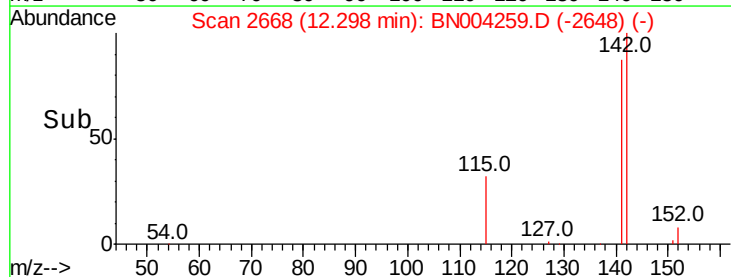
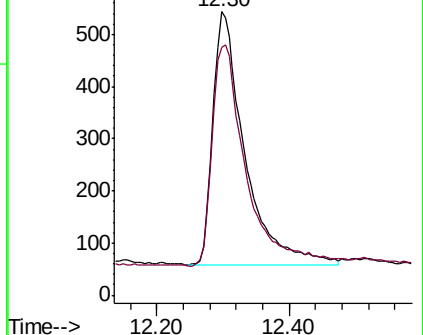
142 100

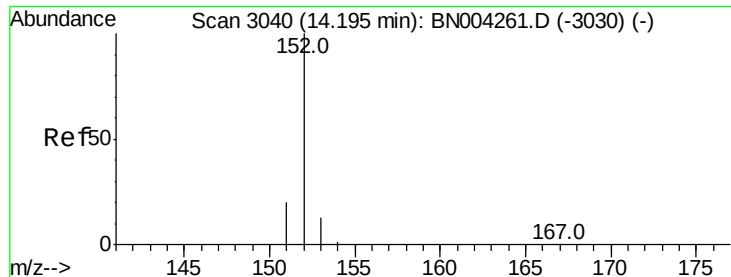
141 92.7 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.096 ng/ul

RT: 14.20 min Scan# 3042

Delta R.T. 0.01 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

Instrument :

BNA_N

ClientSampled :

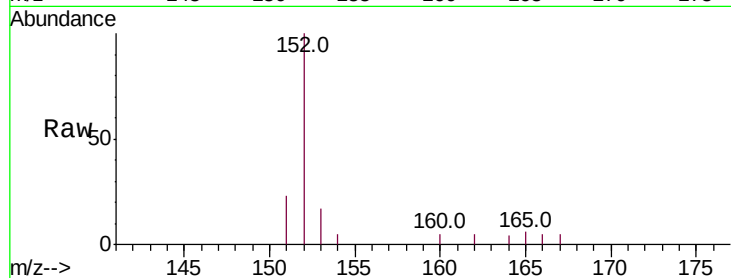
Tot Ion:152 Resp: 2466

Ion Ratio Lower Upper

152 100

151 23.3 16.3 24.5

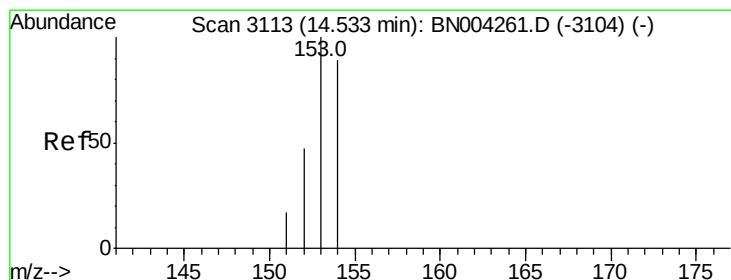
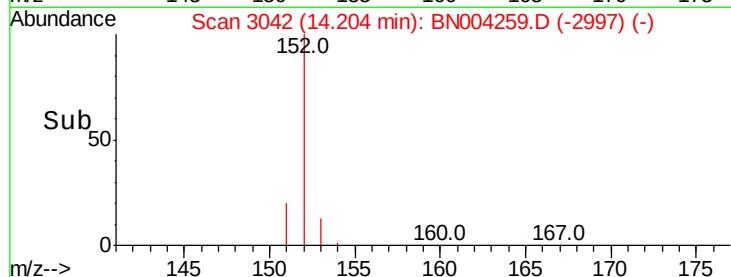
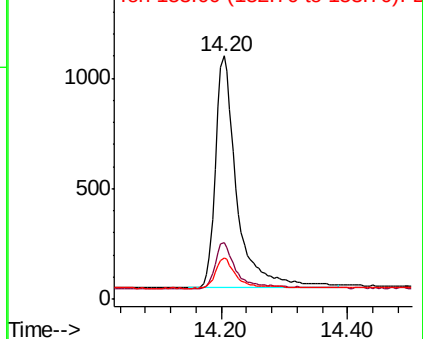
153 16.8 11.1 16.7#



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: 0.083 ng/ul

RT: 14.54 min Scan# 3114

Delta R.T. 0.00 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

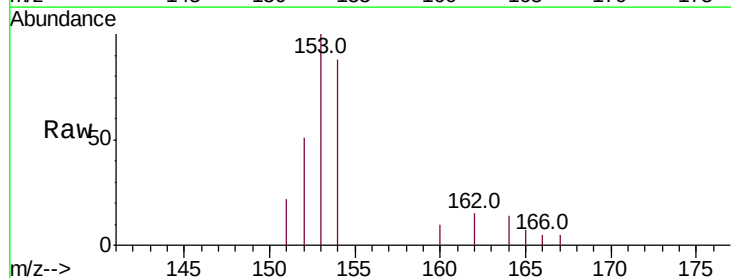
Tgt Ion:153 Resp: 2051

Ion Ratio Lower Upper

153 100

152 51.1 38.2 57.2

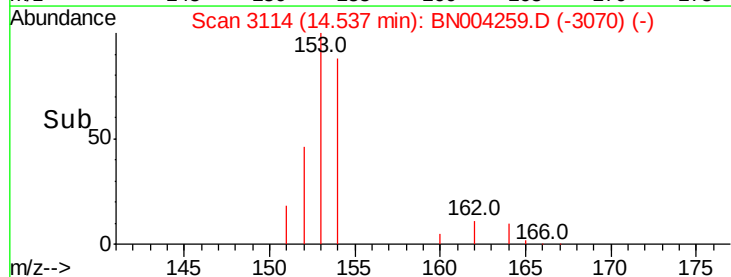
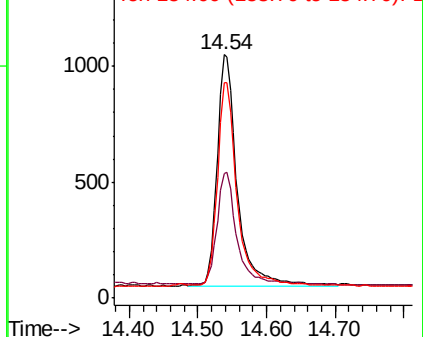
154 88.4 70.9 106.3

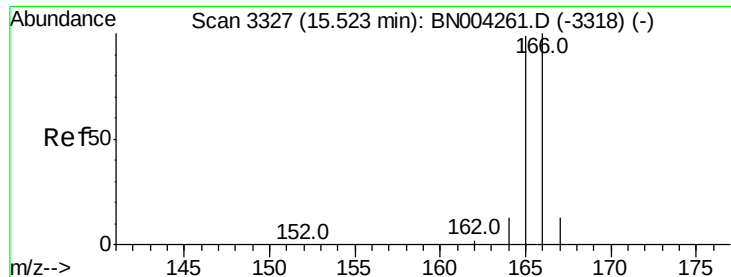


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.080 ng/ul

RT: 15.54 min Scan# 3330

Delta R.T. 0.01 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

Instrument :

BNA_N

ClientSampleId :

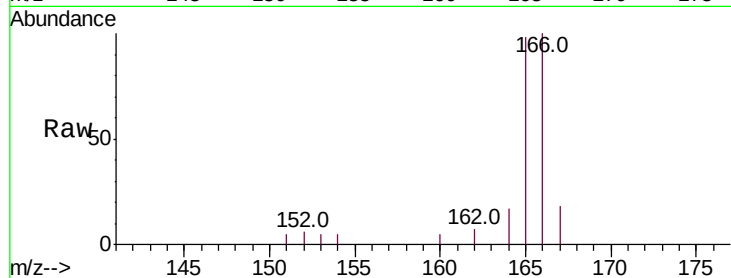
Tot Ion:166 Resp: 2146

Ion Ratio Lower Upper

166 100

165 98.1 79.0 118.6

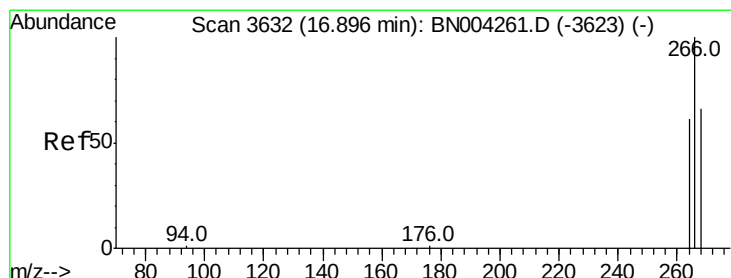
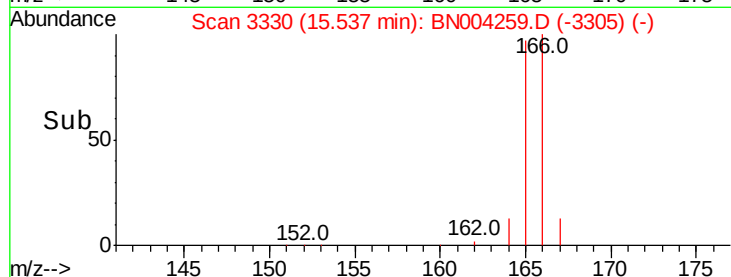
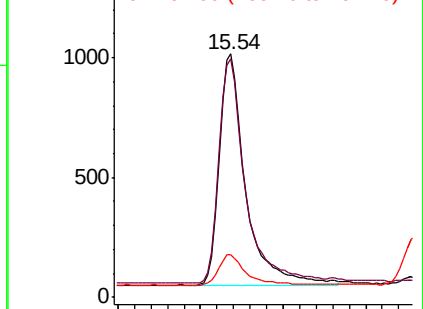
167 17.6 11.3 16.9#



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: 0.043 ng/ul

RT: 16.92 min Scan# 3637

Delta R.T. 0.02 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

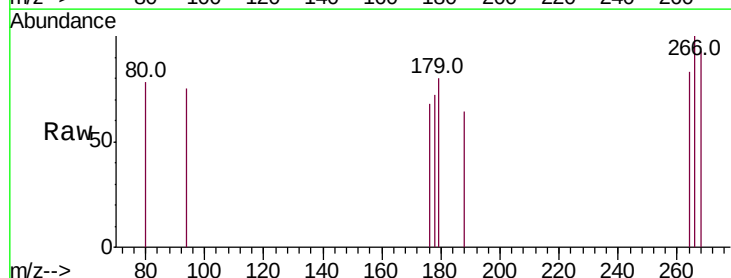
Tgt Ion:266 Resp: 101

Ion Ratio Lower Upper

266 100

264 73.3 51.1 76.7

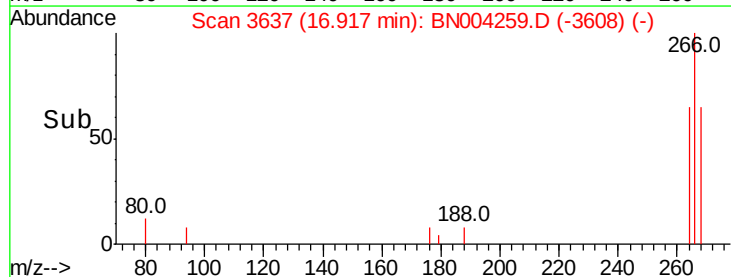
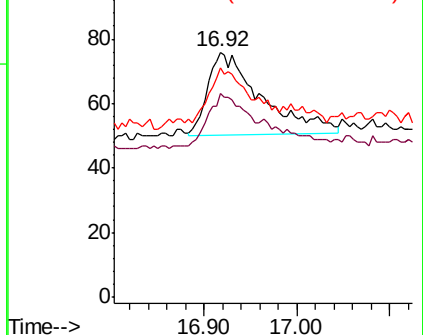
268 50.5 52.6 78.8#

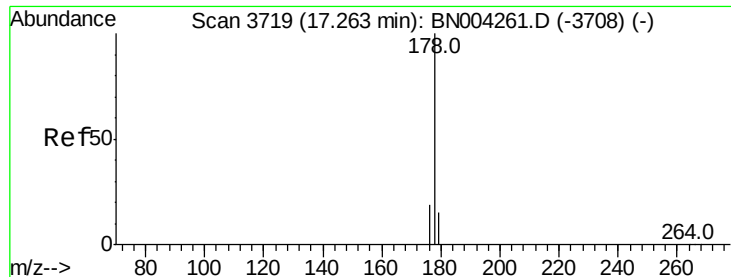


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.081 ng/ul

RT: 17.27 min Scan# 3721

Delta R.T. 0.01 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

Instrument :

BNA_N

ClientSampleId :

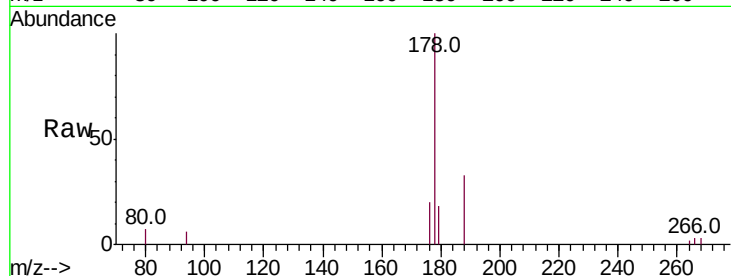
Tot Ion:178 Resp: 3843

Ion Ratio Lower Upper

178 100

179 17.7 12.6 18.8

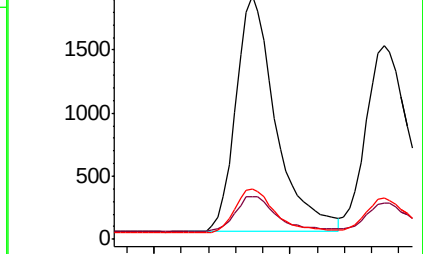
176 20.5 15.2 22.8



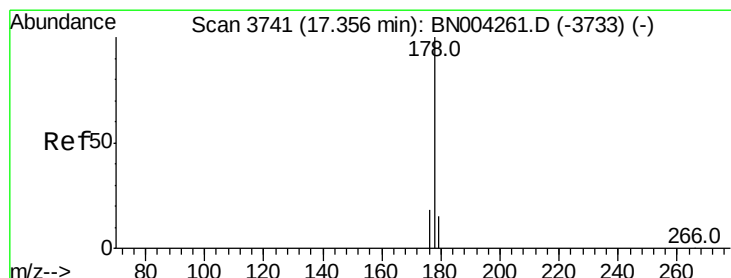
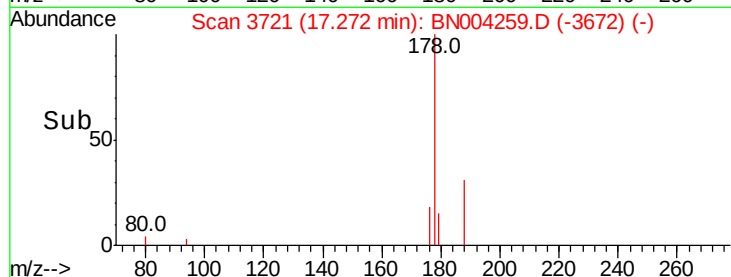
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#13

Anthracene

Concen: 0.097 ng/ul

RT: 17.37 min Scan# 3744

Delta R.T. 0.01 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

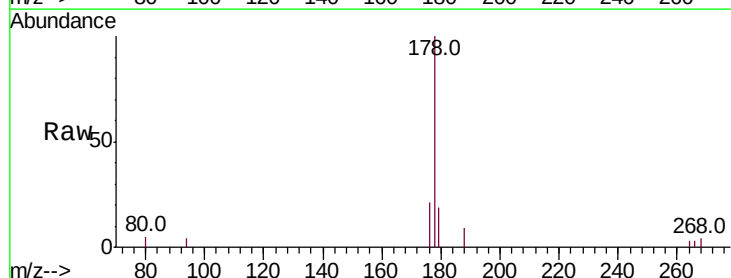
Tgt Ion:178 Resp: 3409

Ion Ratio Lower Upper

178 100

179 18.9 12.7 19.1

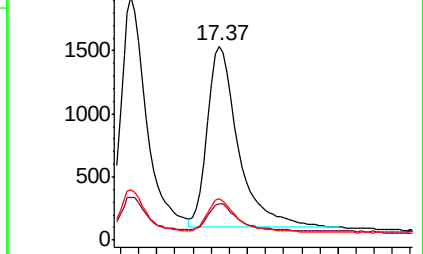
176 21.3 15.0 22.6



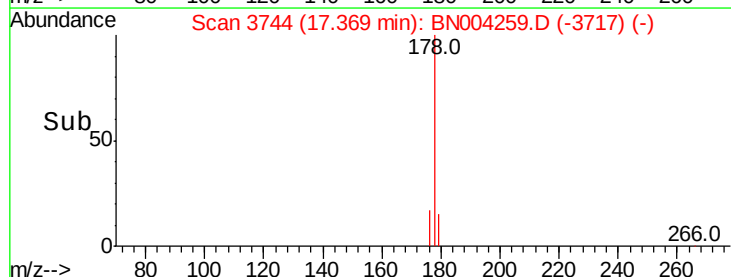
Abundance Ion 178.00 (177.70 to 178.70): E

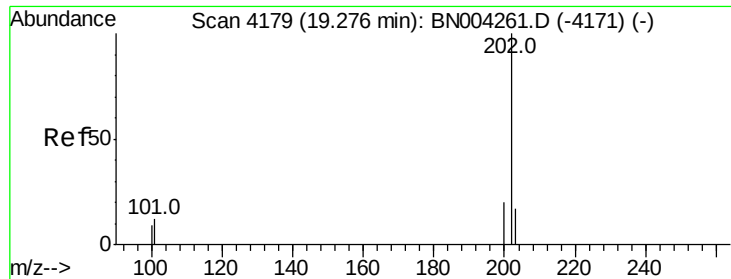
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

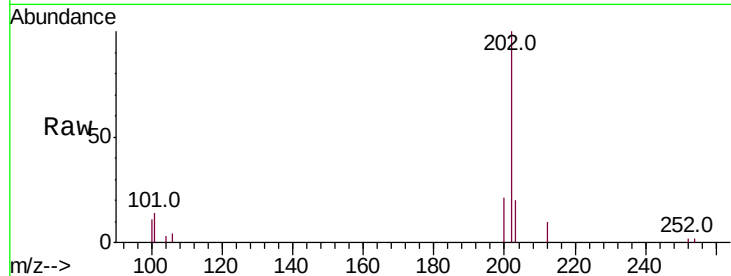




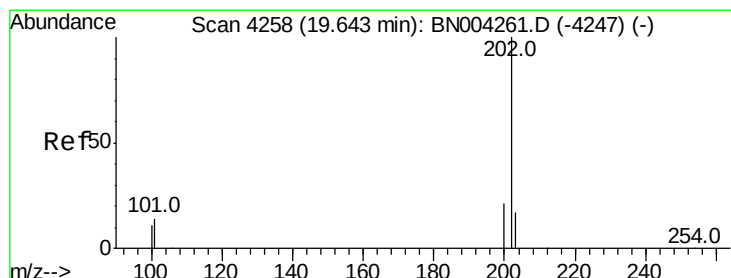
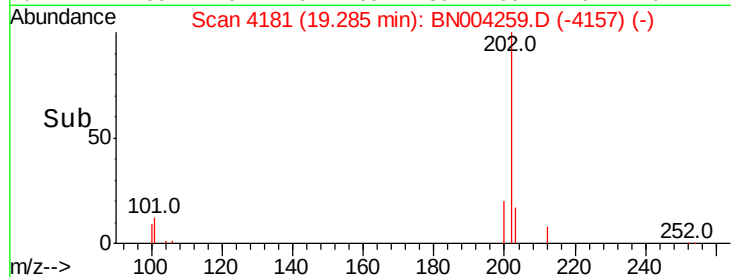
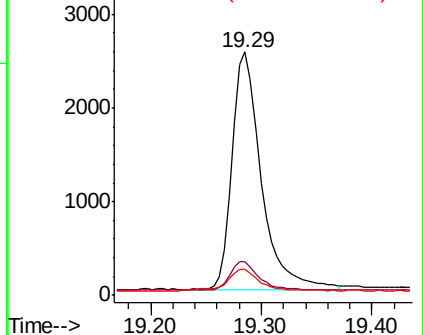
#15
Fluoranthene
Concen: 0.099 ng/ul
RT: 19.29 min Scan# 4181
Delta R.T. 0.01 min
Lab File: BN004259.D
Acq: 28 Dec 2018 13:16

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	32.6
100	10.7	0.0	29.7

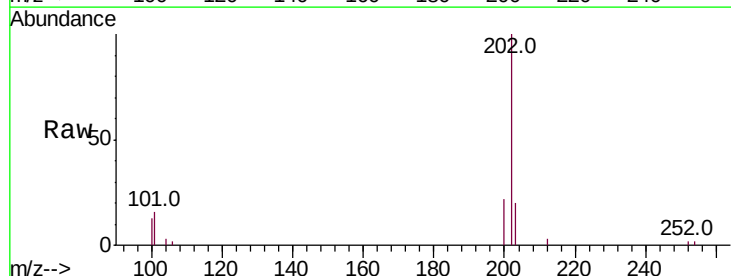


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

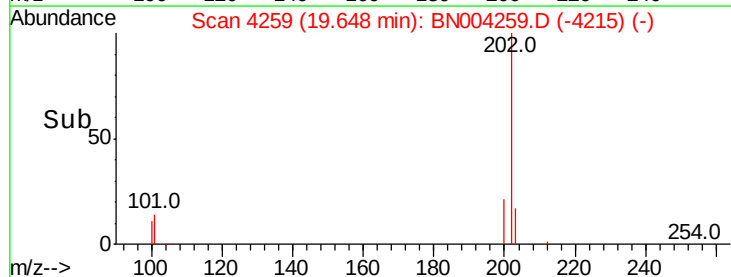
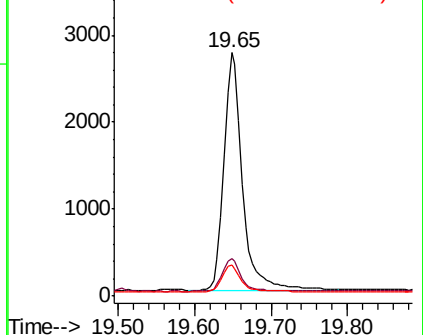


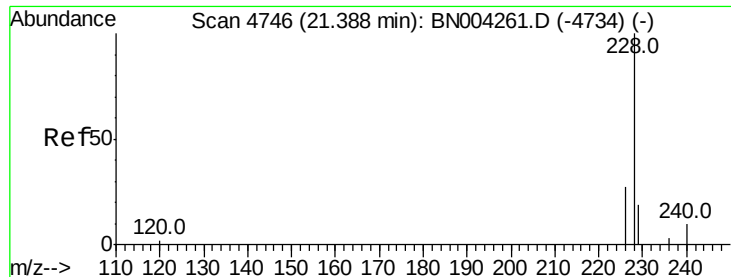
#17
Pyrene
Concen: 0.055 ng/ul
RT: 19.65 min Scan# 4259
Delta R.T. 0.00 min
Lab File: BN004259.D
Acq: 28 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.6	11.2	16.8
100	13.0	9.1	13.7



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: 0.089 ng/ul

RT: 21.39 min Scan# 4748

Delta R.T. 0.01 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

Instrument :

BNA_N

ClientSampleId :

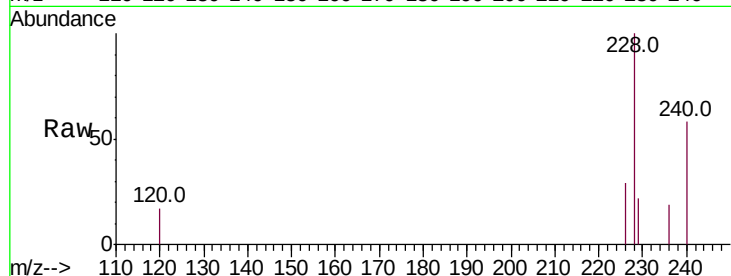
Tot Ion:228 Resp: 4975

Ion Ratio Lower Upper

228 100

229 22.1 15.9 23.9

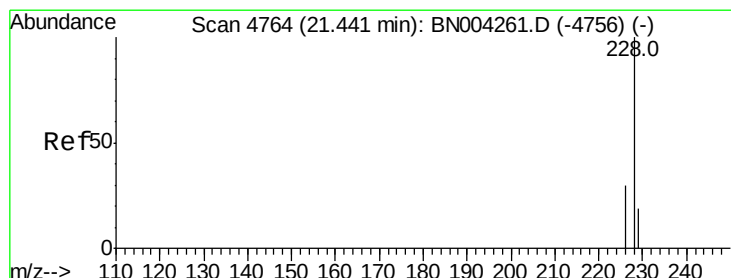
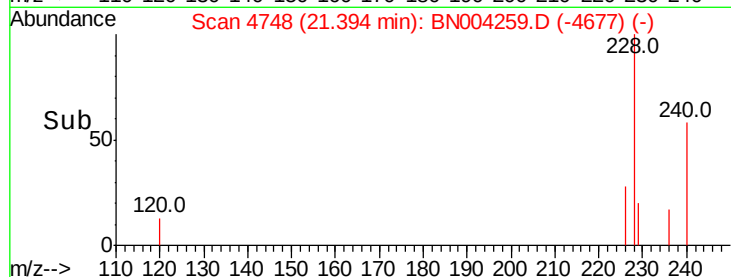
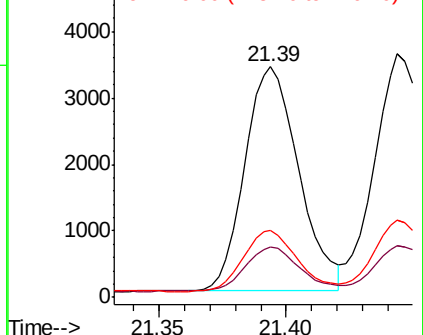
226 29.2 21.9 32.9



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: 0.075 ng/ul

RT: 21.44 min Scan# 4765

Delta R.T. 0.00 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

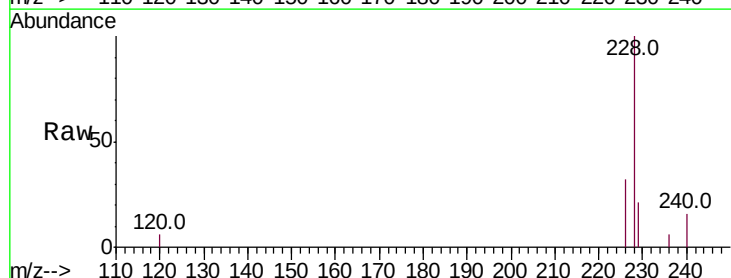
Tgt Ion:228 Resp: 5679

Ion Ratio Lower Upper

228 100

226 31.5 24.3 36.5

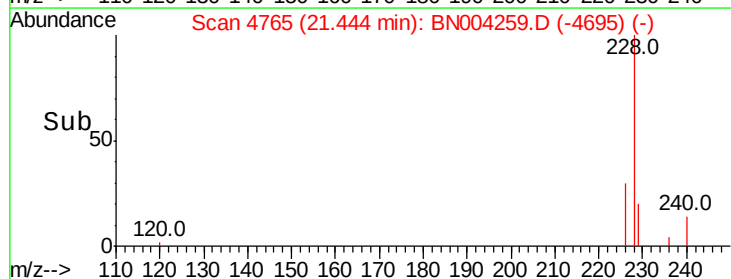
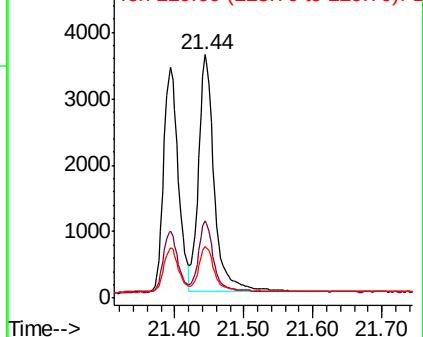
229 21.4 15.9 23.9

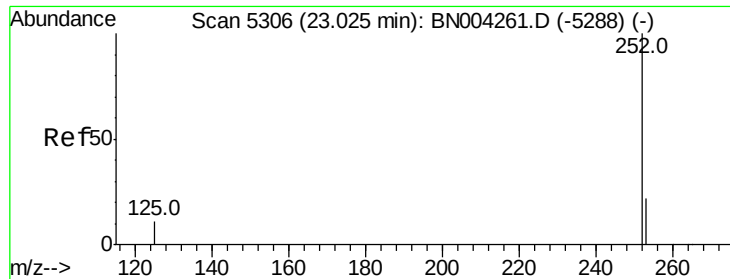


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.062 ng/ul

RT: 23.03 min Scan# 5308

Delta R.T. 0.01 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

Instrument :

BNA_N

ClientSampleId :

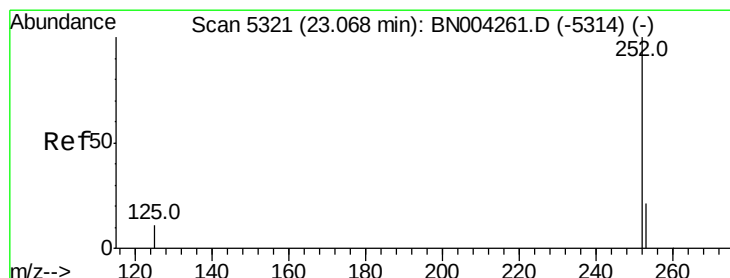
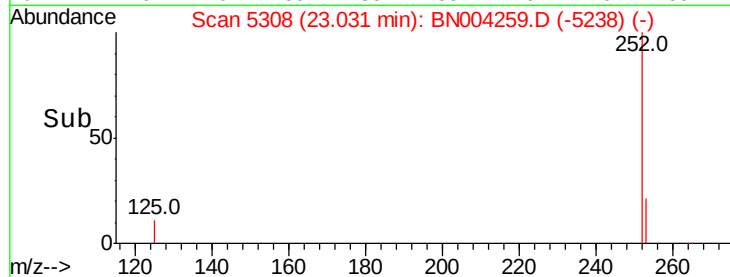
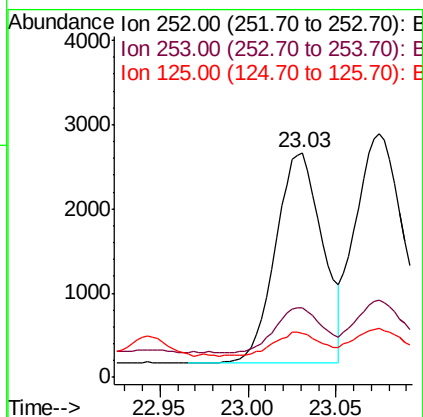
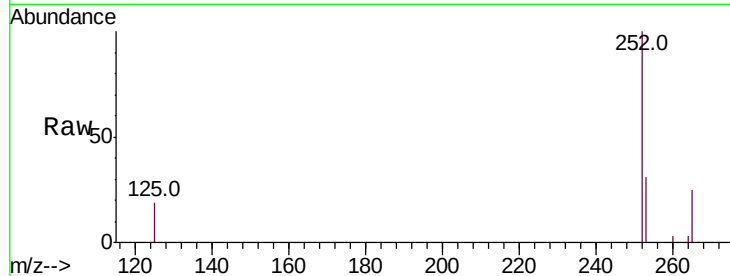
Tot Ion:252 Resp: 4659

Ion Ratio Lower Upper

252 100

253 30.7 0.0 47.6

125 19.5 0.0 25.0



#22

Benzo(k)fluoranthene

Concen: 0.079 ng/ul

RT: 23.07 min Scan# 5323

Delta R.T. 0.01 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

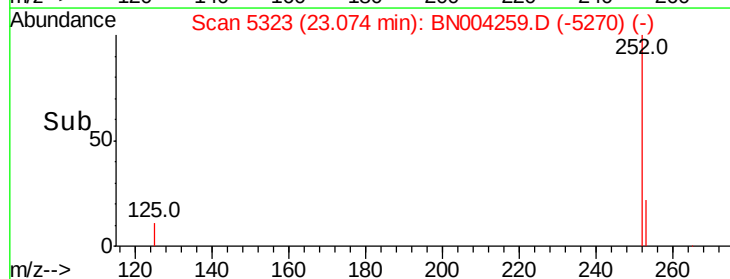
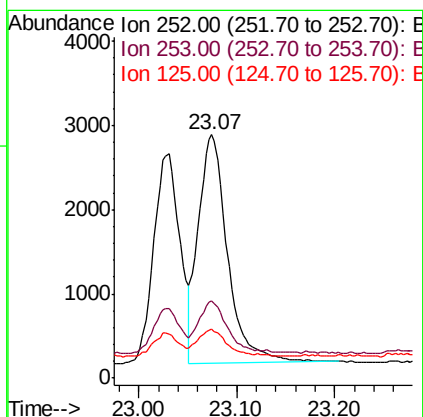
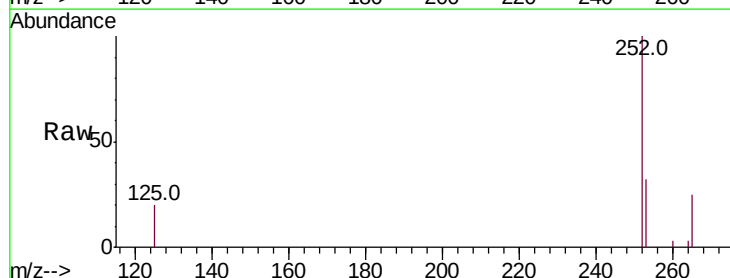
Tgt Ion:252 Resp: 5636

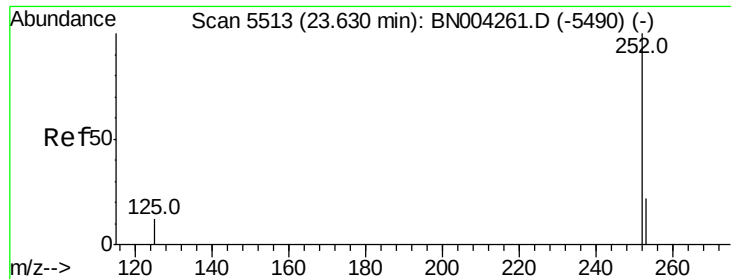
Ion Ratio Lower Upper

252 100

253 31.5 19.0 28.6#

125 20.0 10.2 15.2#





#23

Benzo(a)pyrene

Concen: 0.077 ng/ul

RT: 23.64 min Scan# 5516

Delta R.T. 0.01 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

Instrument :

BNA_N

ClientSampleId :

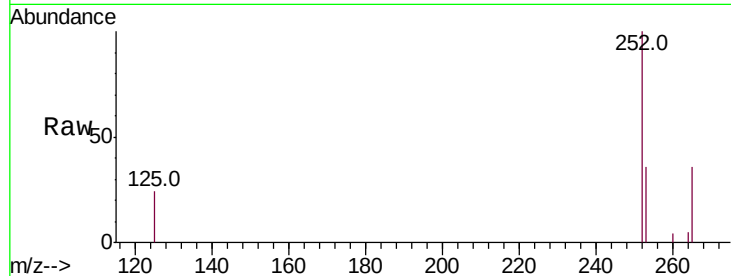
Tot Ion:252 Resp: 4511

Ion Ratio Lower Upper

252 100

253 35.5 20.0 30.0#

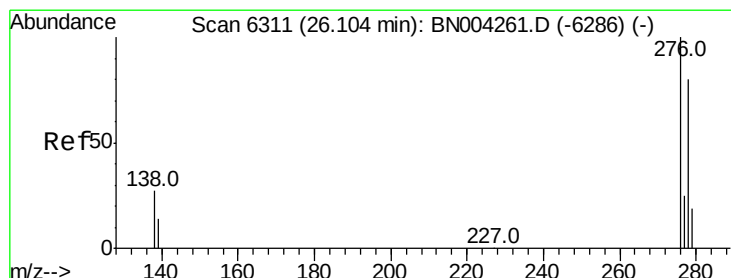
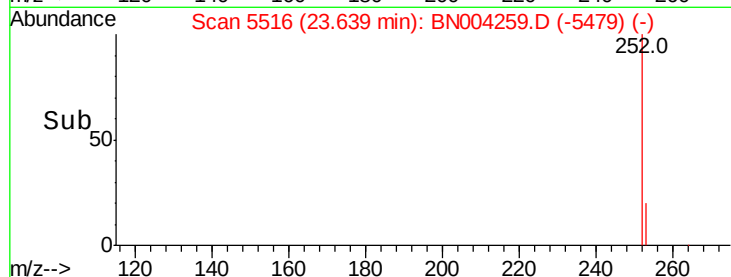
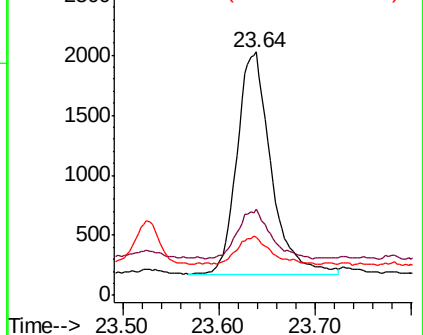
125 23.9 11.4 17.0#



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: 0.073 ng/ul

RT: 26.11 min Scan# 6314

Delta R.T. 0.01 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

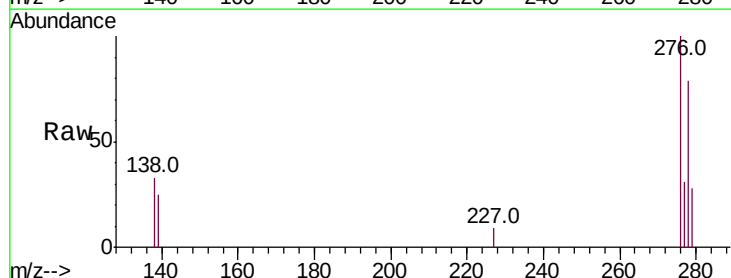
Tgt Ion:276 Resp: 4864

Ion Ratio Lower Upper

276 100

138 25.1 0.0 0.0#

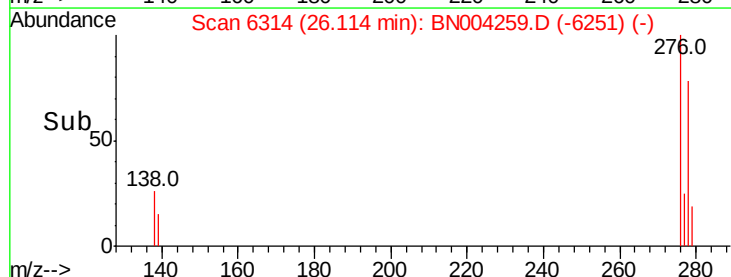
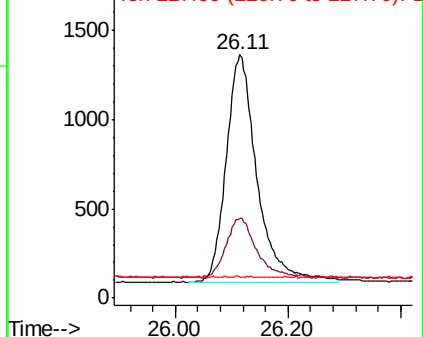
227 0.1 0.1 0.1#

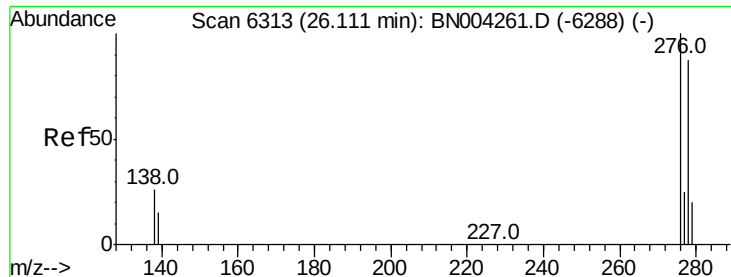


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.083 ng/ul

RT: 26.12 min Scan# 6315

Delta R.T. 0.01 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

Instrument :

BNA_N

ClientSampleId :

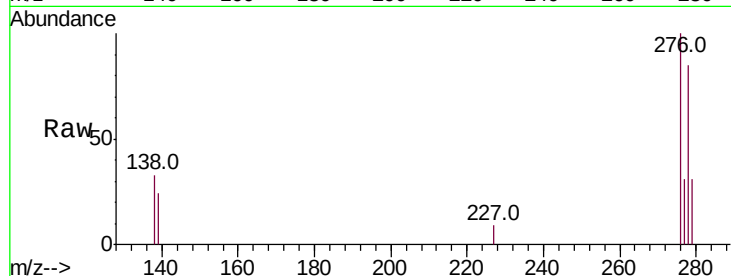
Tot Ion:278 Resp: 3995

Ion Ratio Lower Upper

278 100

139 28.5 15.4 23.2#

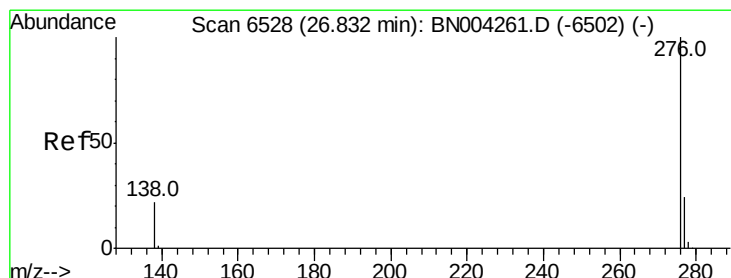
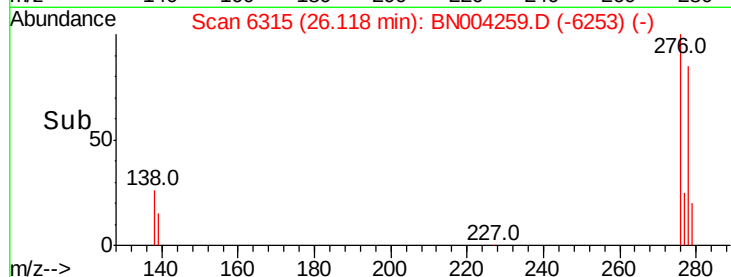
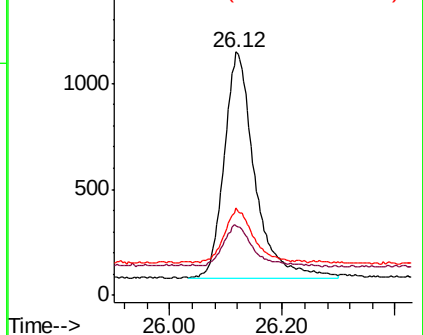
279 35.7 21.0 31.6#



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: 0.063 ng/ul

RT: 26.84 min Scan# 6530

Delta R.T. 0.01 min

Lab File: BN004259.D

Acq: 28 Dec 2018 13:16

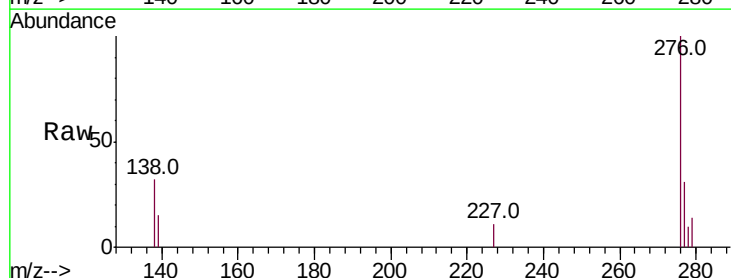
Tgt Ion:276 Resp: 4119

Ion Ratio Lower Upper

276 100

138 31.7 19.4 29.0#

277 31.2 20.4 30.6#



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

