

Data Path : Z:\HPCHEM1\BNA N\Data\BN030218\
 Data File : BN000231.D
 Acq On : 02 Mar 2018 12:10
 Operator : JU/SJ
 Sample : SSTD1.656
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 02 13:13:19 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BE030218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 12:55:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.454	152	3298	0.40	ng/ul	0.00
2) Naphthalene-d8	11.291	136	10912	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.061	164	4859	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.783	188	10495	0.40	ng/ul	0.00
16) Chrysene-d12	21.895	240	8304	0.40	ng/ul	0.00
20) Perylene-d12	24.374	264	6240	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.847	152	24558	1.38	ng/ul	0.00
14) Fluoranthene-d10	19.771	212	44533	1.11	ng/ul	0.00

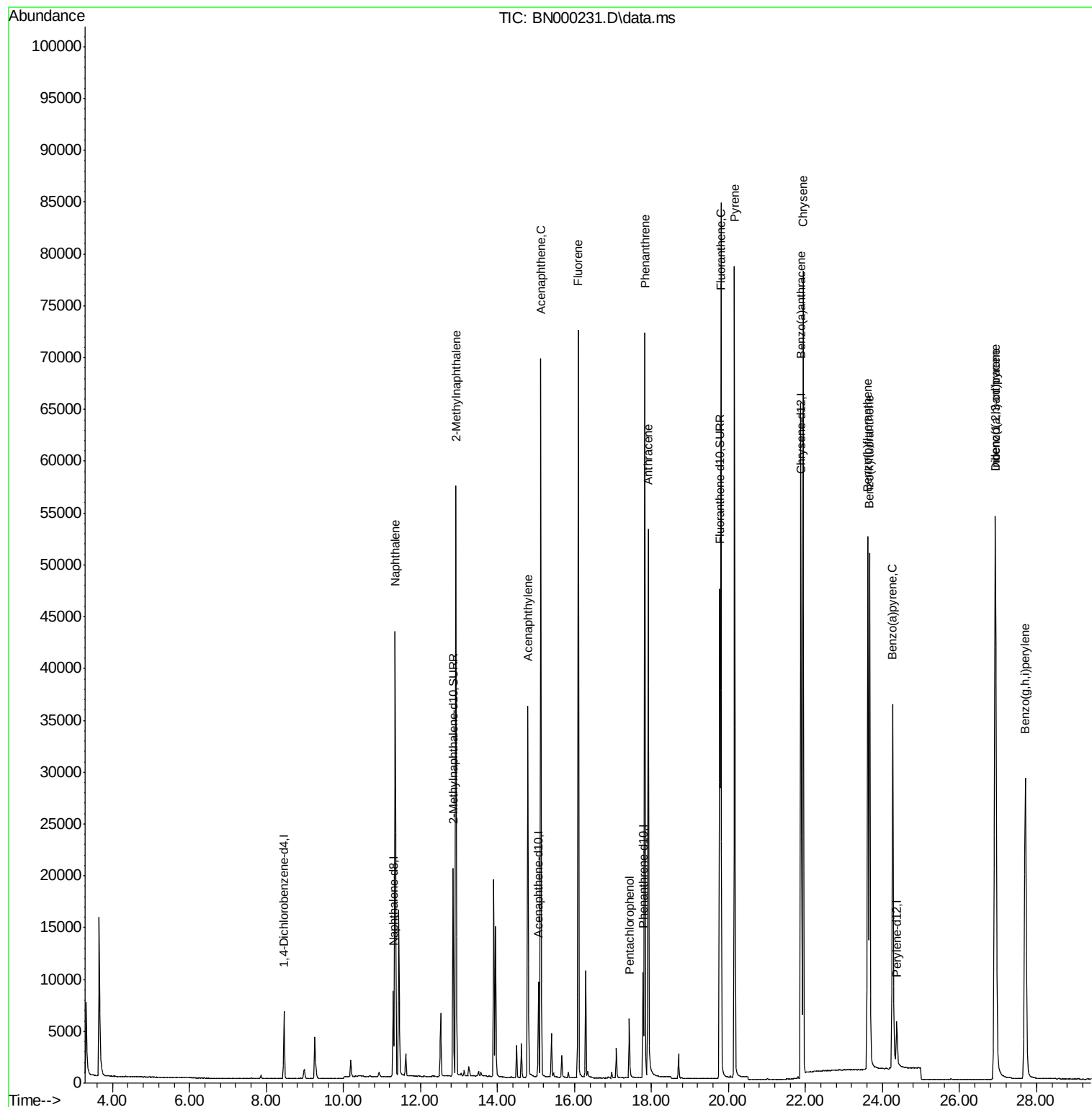
Target Compounds				Ovalue		
3) Naphthalene	11.340	128	58725	1.92	ng/ul#	87
5) 2-Methylnaphthalene	12.919	142	38248	1.87	ng/ul	99
7) Acenaphthylene	14.788	152	42094	1.80	ng/ul	95
8) Acenaphthene	15.126	153	39803	2.19	ng/ul	95
9) Fluorene	16.097	166	44769	2.39	ng/ul#	91
11) Pentachlorophenol	17.426	266	3866	1.90	ng/ul	98
12) Phenanthrene	17.825	178	74844	2.12	ng/ul#	88
13) Anthracene	17.915	178	59921	1.85	ng/ul#	90
15) Fluoranthene	19.799	202	80133	1.75	ng/ul	62
17) Pyrene	20.158	202	76397	2.74	ng/ul#	55
18) Benzo(a)anthracene	21.879	228	57586	2.22	ng/ul#	84
19) Chrysene	21.934	228	71687	2.66	ng/ul	95
21) Benzo(b)fluoranthene	23.618	252	65555	2.98	ng/ul	86
22) Benzo(k)fluoranthene	23.666	252	65216	3.24	ng/ul#	88
23) Benzo(a)pyrene	24.265	252	54446	2.77	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.925	276	64048	2.97	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.937	278	48276	2.74	ng/ul#	78
26) Benzo(g,h,i)perylene	27.710	276	58358	3.20	ng/ul#	82

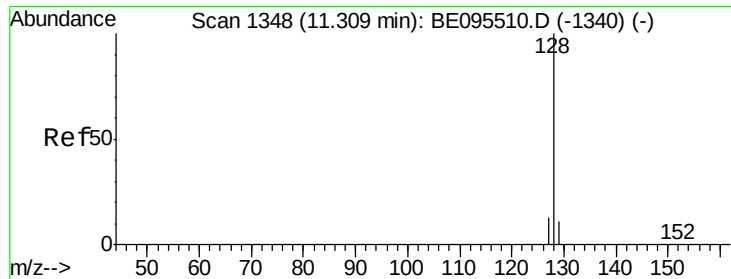
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.92 ng/ul

RT: 11.340 min Scan# 30

Delta R.T. -0.002 min

Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

Instrument :

BNA_N

ClientSampleId :

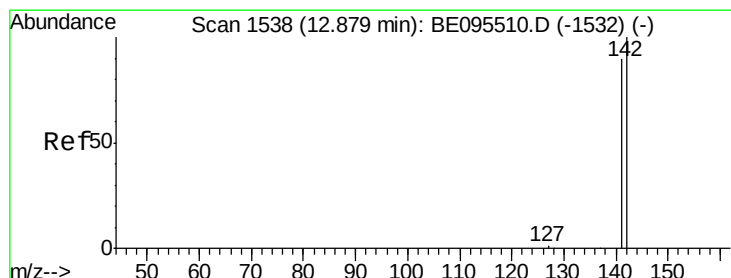
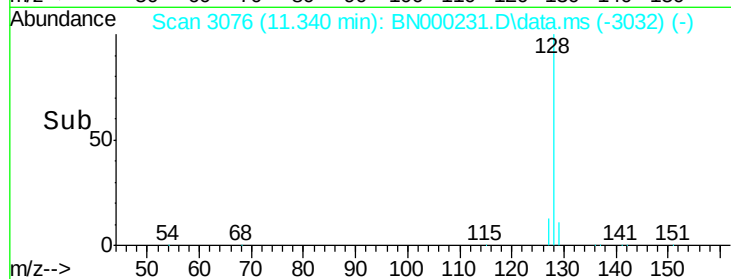
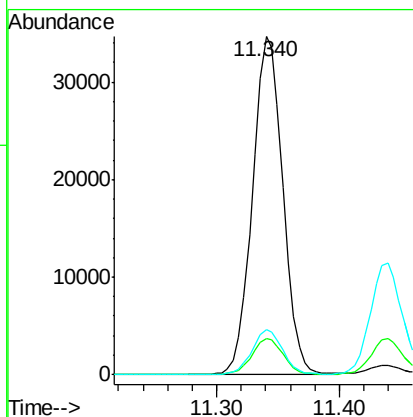
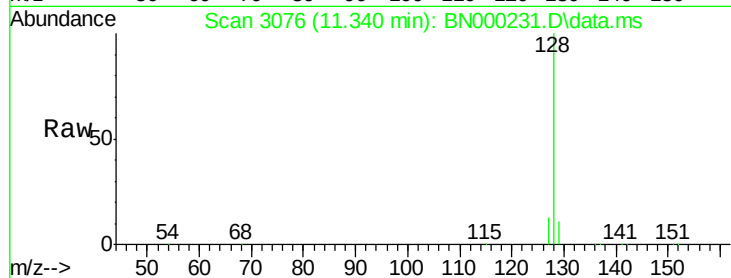
Tot Ion:128 Resp: 58725

Ion Ratio Lower Upper

128 100

129 10.8 11.3 16.9#

127 13.4 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 1.87 ng/ul

RT: 12.919 min Scan# 3427

Delta R.T. -0.002 min

Lab File: BN000231.D

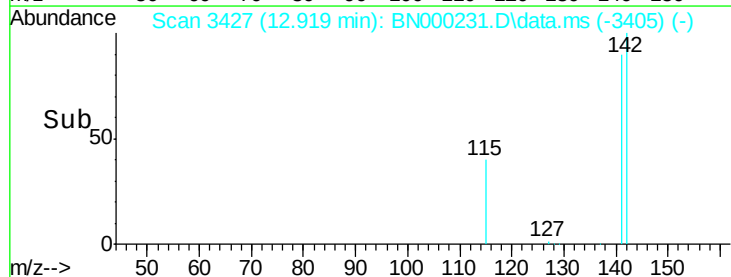
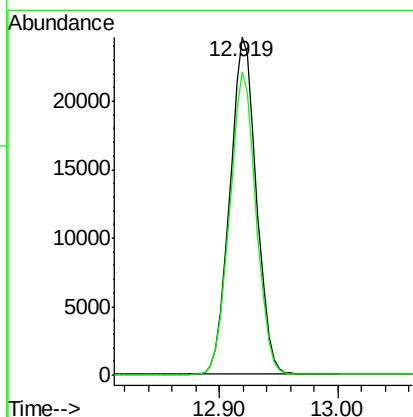
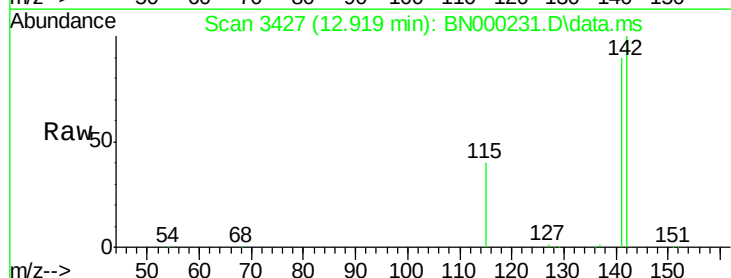
Acq: 02 Mar 2018 12:10

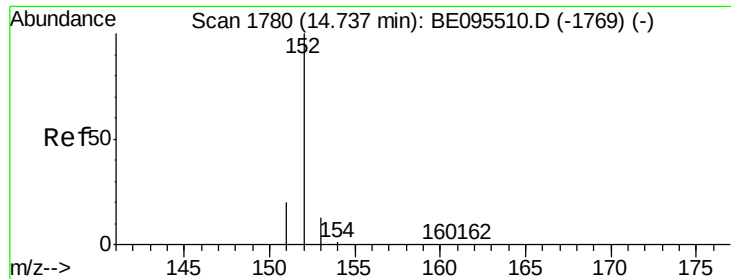
Tgt Ion:142 Resp: 38248

Ion Ratio Lower Upper

142 100

141 89.6 72.6 108.8





#7

Acenaphthylene

Concen: 1.80 ng/ul

RT: 14.788 min Scan# 38

Delta R.T. 0.002 min

Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

Instrument :

BNA_N

ClientSampleId :

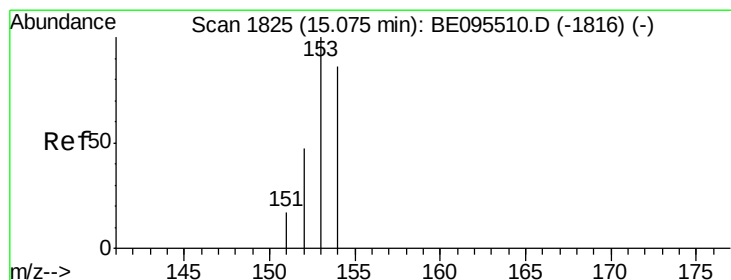
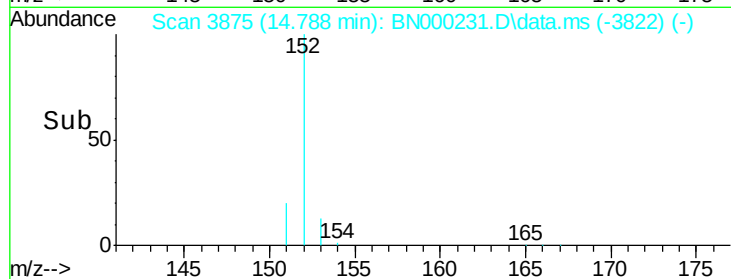
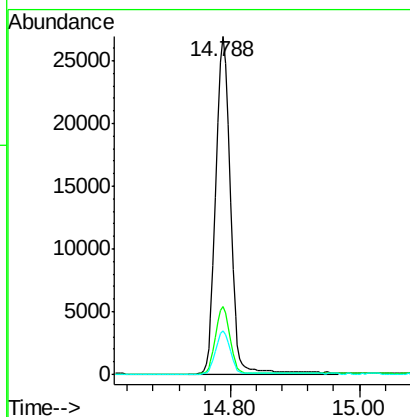
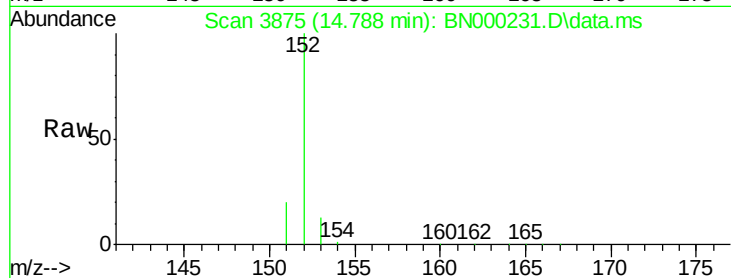
Tot Ion:152 Resp: 42094

Ion Ratio Lower Upper

152 100

151 20.1 17.1 25.7

153 12.9 12.8 19.2



#8

Acenaphthene

Concen: 2.19 ng/ul

RT: 15.126 min Scan# 3964

Delta R.T. 0.002 min

Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

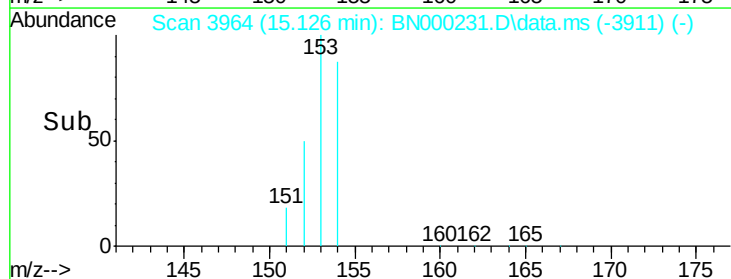
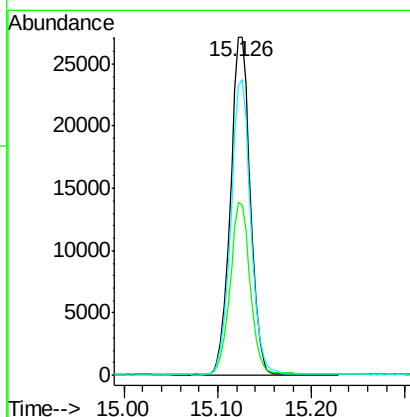
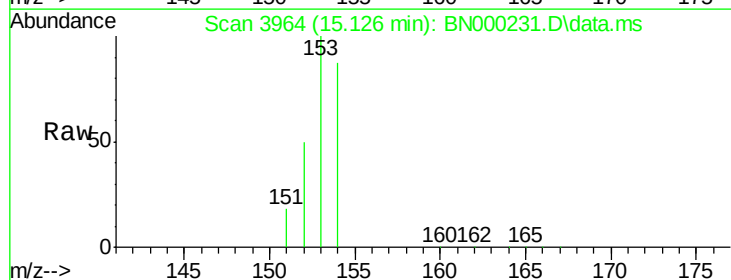
Tgt Ion:153 Resp: 39803

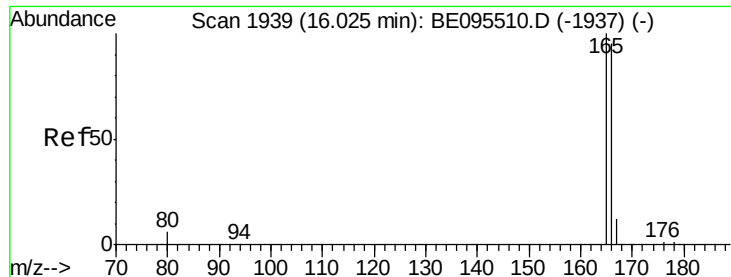
Ion Ratio Lower Upper

153 100

152 50.5 36.0 54.0

154 87.4 72.0 108.0





#9

Fluorene

Concen: 2.39 ng/ul

RT: 16.097 min Scan# 42

Delta R.T. -0.002 min

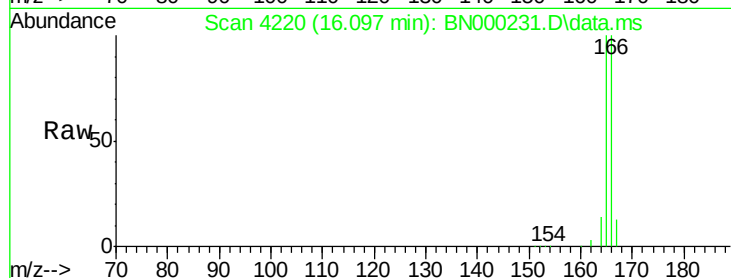
Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

Instrument :

BNA_N

ClientSampleId :



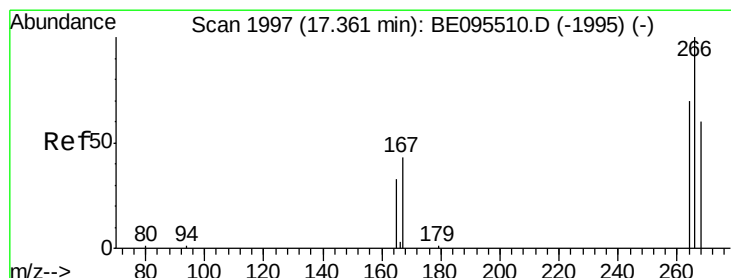
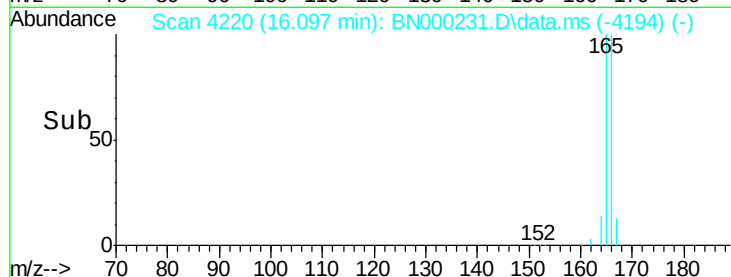
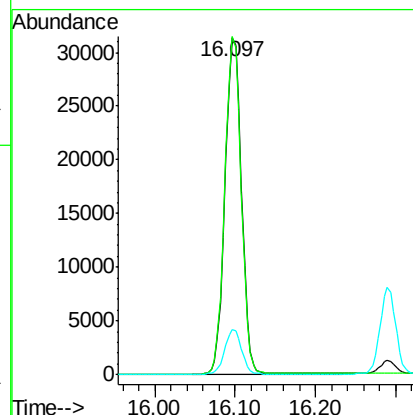
Tot Ion:166 Resp: 44769

Ion Ratio Lower Upper

166 100

165 100.3 73.4 110.2

167 13.2 14.6 22.0#



#11

Pentachlorophenol

Concen: 1.90 ng/ul

RT: 17.426 min Scan# 4593

Delta R.T. 0.002 min

Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

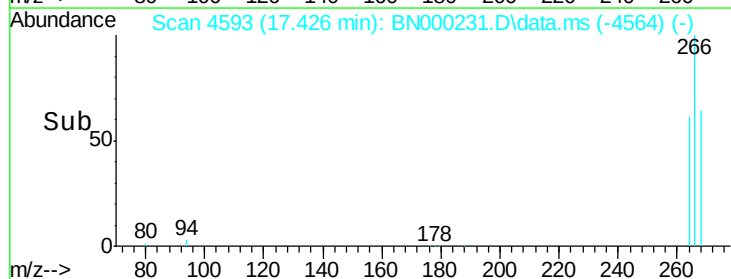
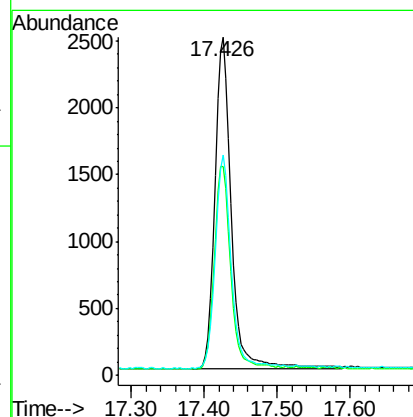
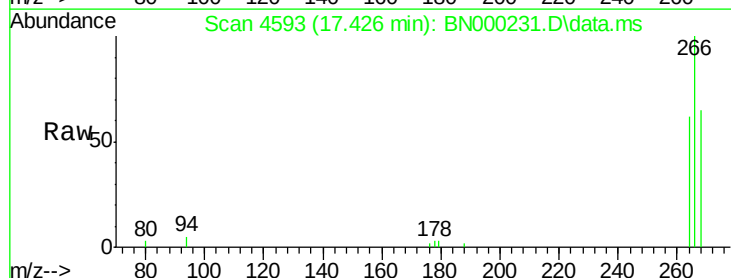
Tgt Ion:266 Resp: 3866

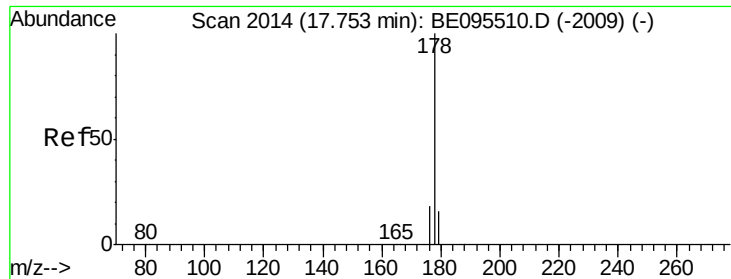
Ion Ratio Lower Upper

266 100

264 61.5 47.9 71.9

268 64.1 49.8 74.8





#12

Phenanthrene

Concen: 2.12 ng/ul

RT: 17.825 min Scan# 47

Delta R.T. 0.002 min

Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

Instrument :

BNA_N

ClientSampleId :

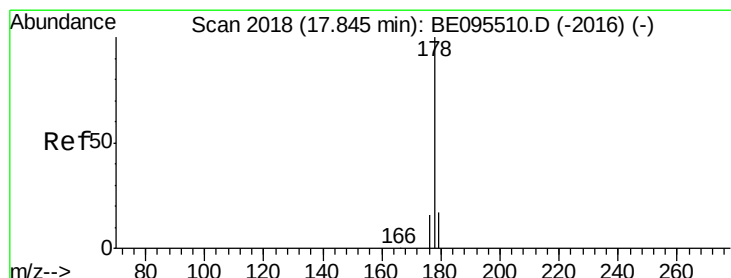
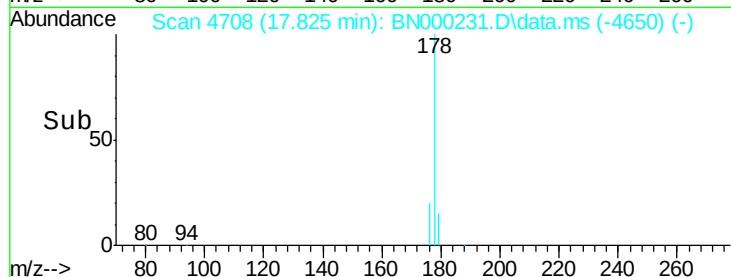
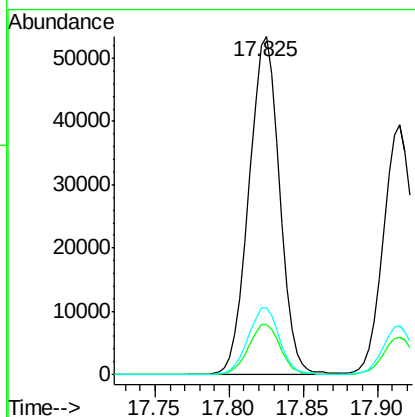
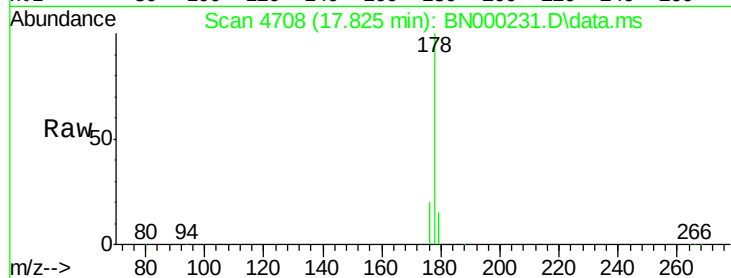
Tot Ion:178 Resp: 74844

Ion Ratio Lower Upper

178 100

179 14.9 18.4 27.6#

176 19.9 13.6 20.4



#13

Anthracene

Concen: 1.85 ng/ul

RT: 17.915 min Scan# 4734

Delta R.T. 0.002 min

Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

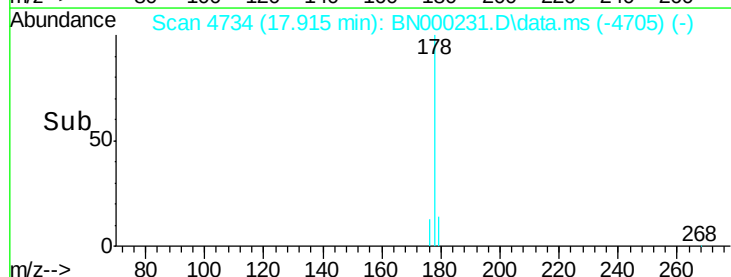
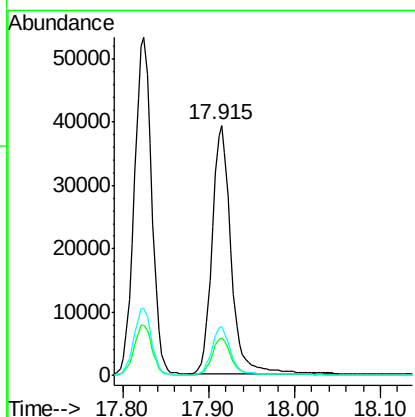
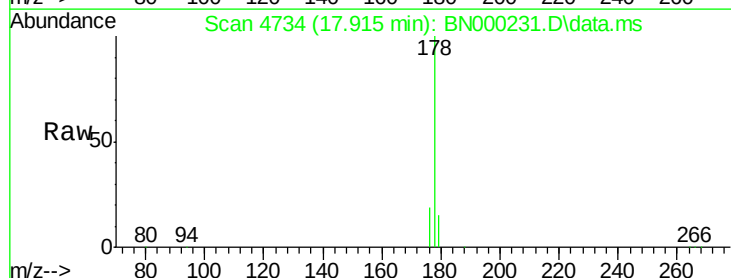
Tgt Ion:178 Resp: 59921

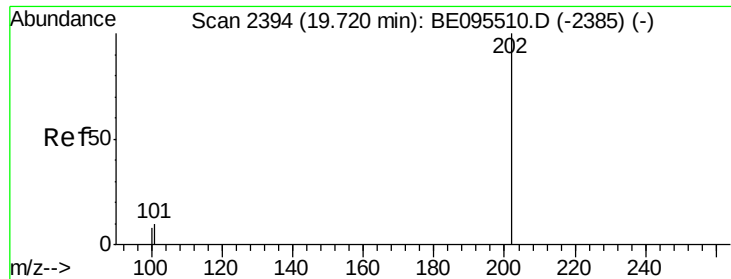
Ion Ratio Lower Upper

178 100

179 14.9 18.1 27.1#

176 19.4 14.7 22.1





#15

Fluoranthene

Concen: 1.75 ng/ul

RT: 19.799 min Scan# 531

Delta R.T. -0.001 min

Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

Instrument :

BNA_N

ClientSampleId :

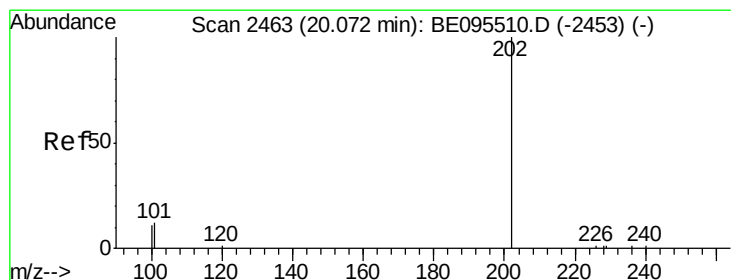
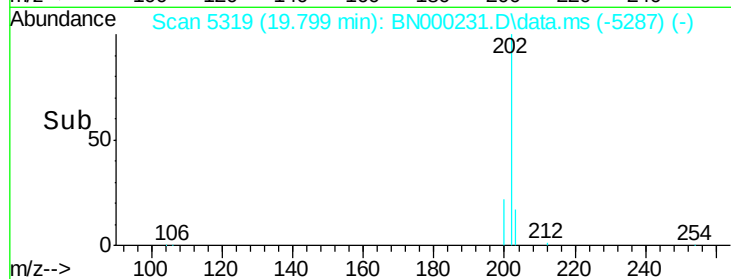
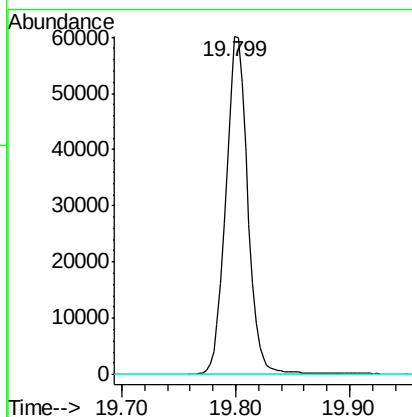
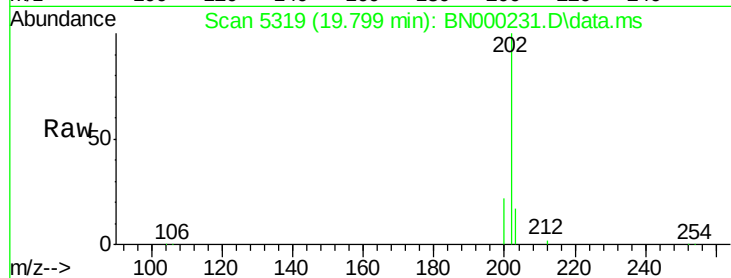
Tot Ion:202 Resp: 80133

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.3

100 0.0 0.0 39.5



#17

Pyrene

Concen: 2.74 ng/ul

RT: 20.158 min Scan# 5434

Delta R.T. -0.001 min

Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

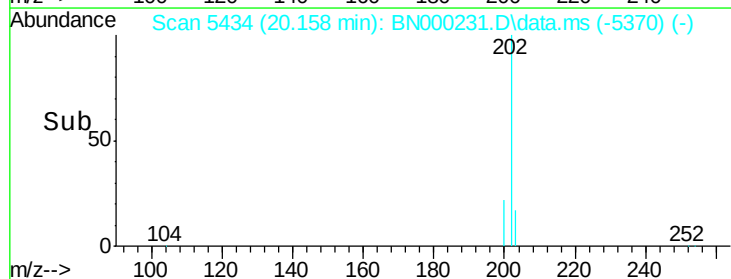
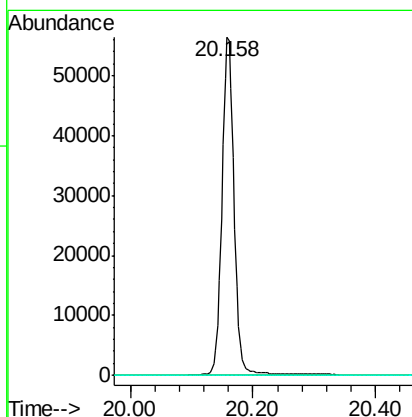
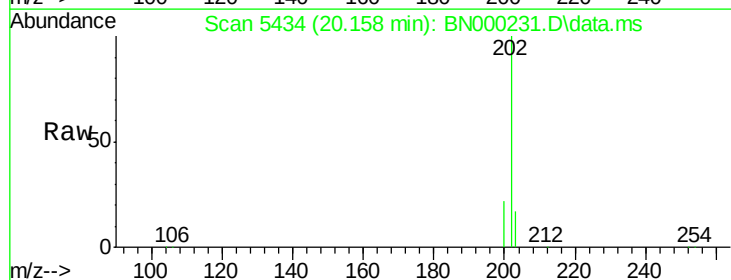
Tgt Ion:202 Resp: 76397

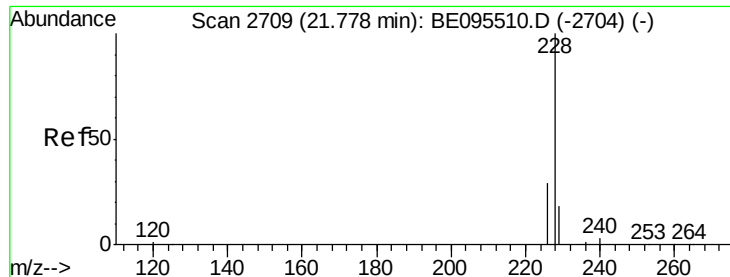
Ion Ratio Lower Upper

202 100

101 0.0 18.2 27.4#

100 0.0 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 2.22 ng/ul

RT: 21.879 min Scan# 6113

Delta R.T. -0.006 min

Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

Instrument :

BNA_N

ClientSampleId :

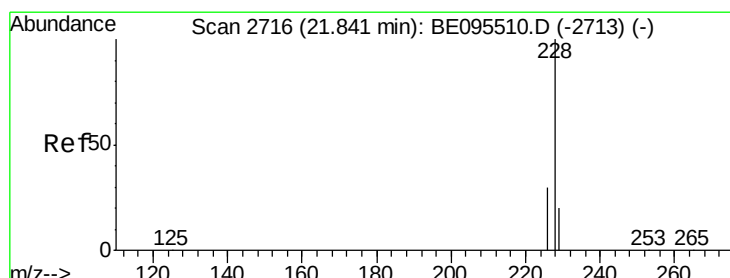
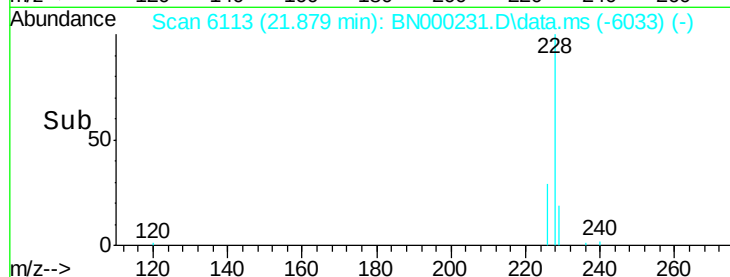
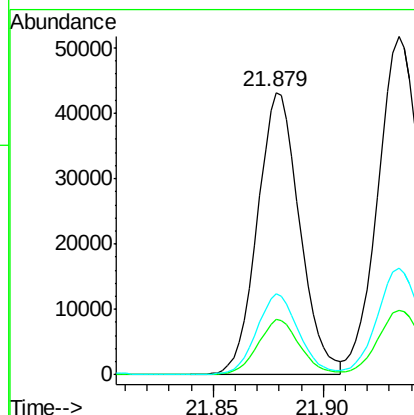
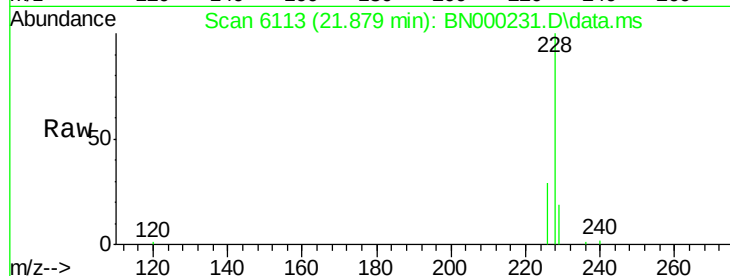
Tot Ion:228 Resp: 57586

Ion Ratio Lower Upper

228 100

229 19.5 22.8 34.2#

226 28.7 17.0 25.6#



#19

Chrysene

Concen: 2.66 ng/ul

RT: 21.934 min Scan# 6136

Delta R.T. -0.004 min

Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

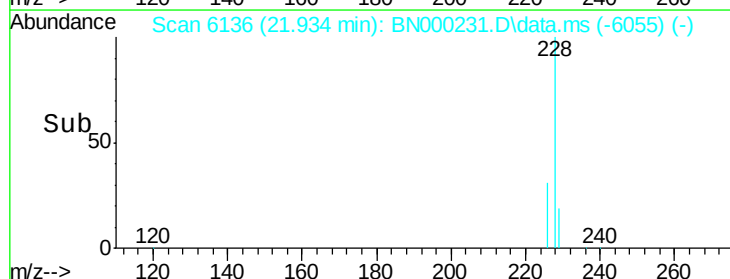
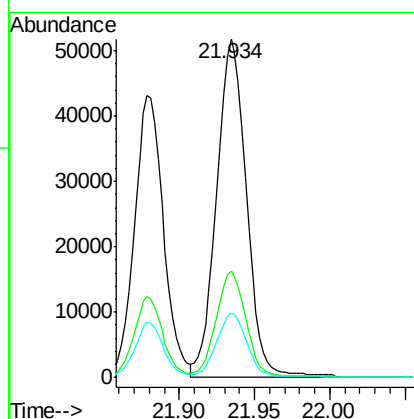
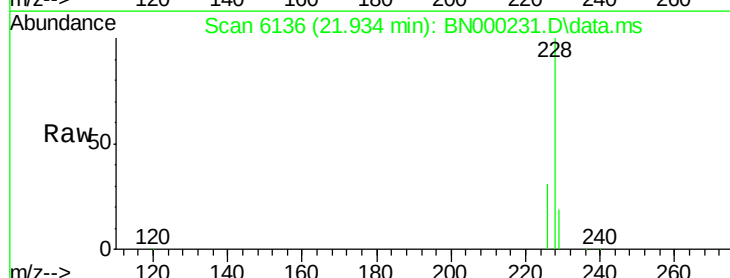
Tgt Ion:228 Resp: 71687

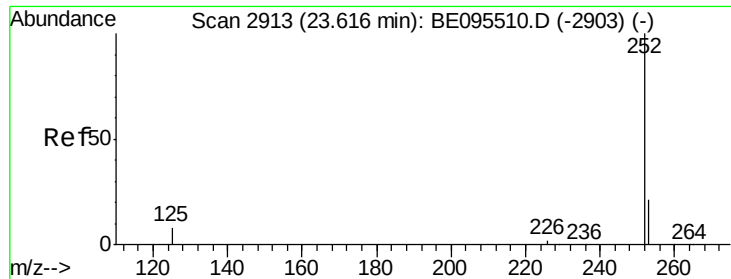
Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.0

229 19.1 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 2.98 ng/ul

RT: 23.618 min Scan# 681

Delta R.T. -0.006 min

Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

Instrument :

BNA_N

ClientSampleId :

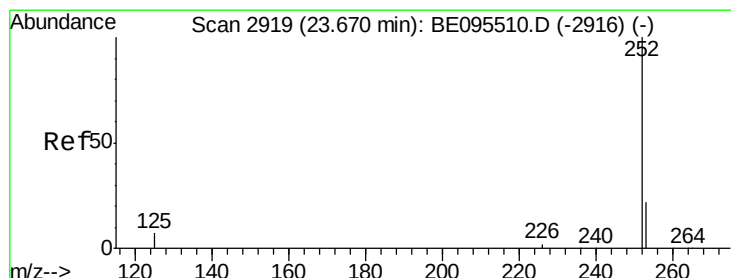
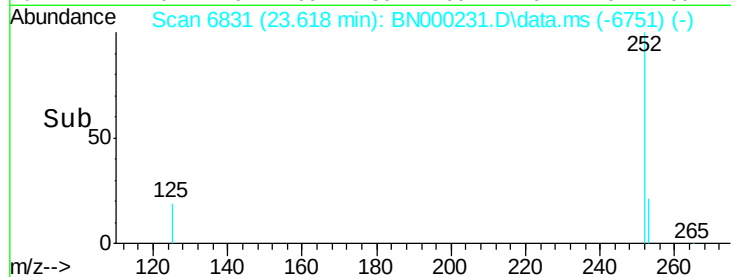
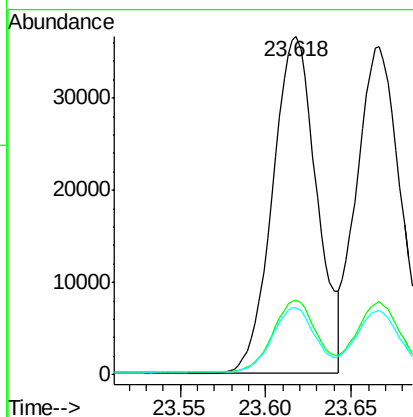
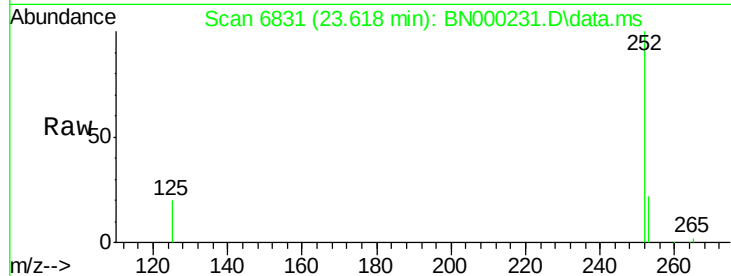
Tot Ion:252 Resp: 65555

Ion Ratio Lower Upper

252 100

253 22.0 0.0 64.2

125 19.8 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 3.24 ng/ul

RT: 23.666 min Scan# 6851

Delta R.T. -0.006 min

Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

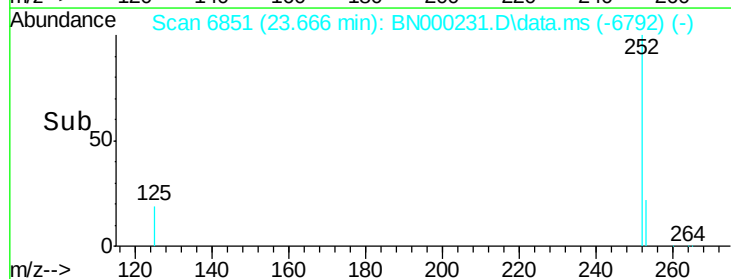
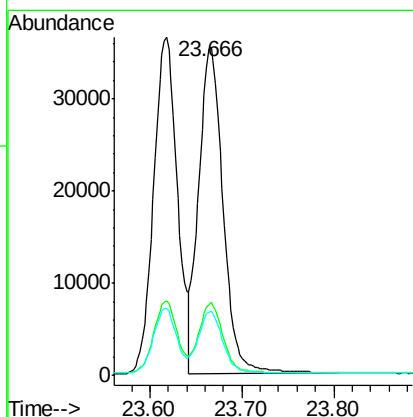
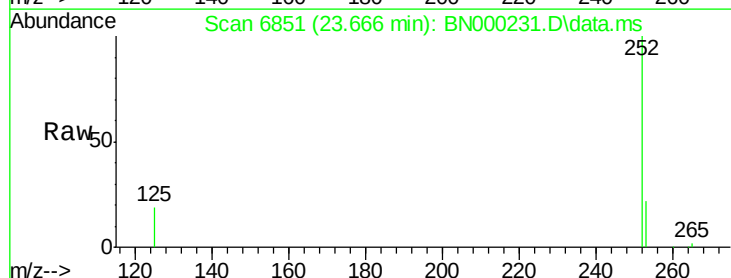
Tgt Ion:252 Resp: 65216

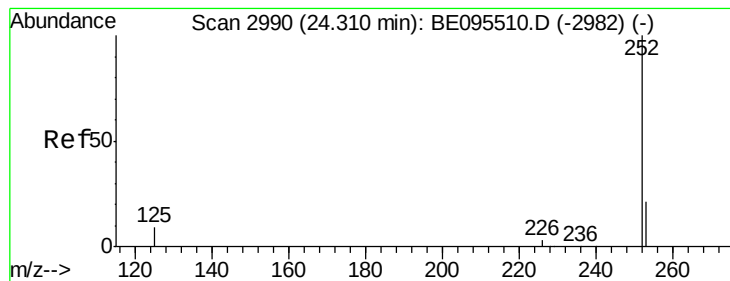
Ion Ratio Lower Upper

252 100

253 22.1 24.5 36.7#

125 19.5 13.7 20.5





#23

Benzo(a)pyrene

Concen: 2.77 ng/ul

RT: 24.265 min Scan# 70

Delta R.T. -0.006 min

Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

Instrument :

BNA_N

ClientSampleId :

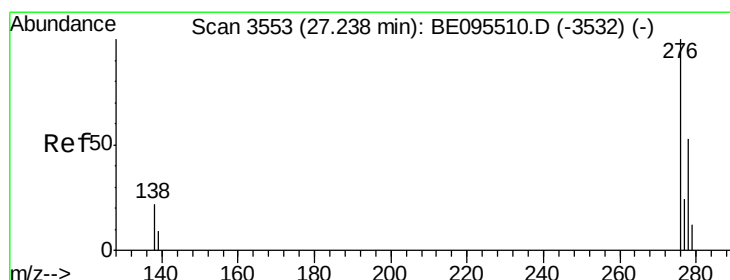
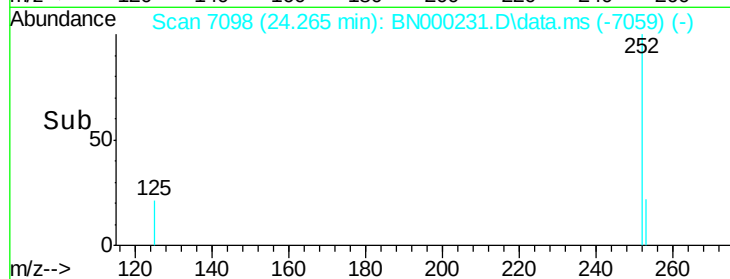
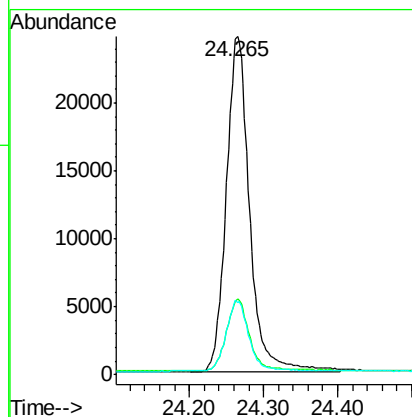
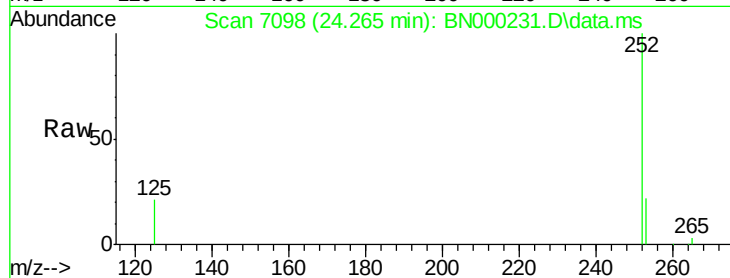
Tot Ion:252 Resp: 54446

Ion Ratio Lower Upper

252 100

253 22.4 28.5 42.7#

125 21.4 18.1 27.1



#24

Indeno(1,2,3-cd)pyrene

Concen: 2.97 ng/ul

RT: 26.925 min Scan# 8196

Delta R.T. -0.011 min

Lab File: BN000231.D

Acq: 02 Mar 2018 12:10

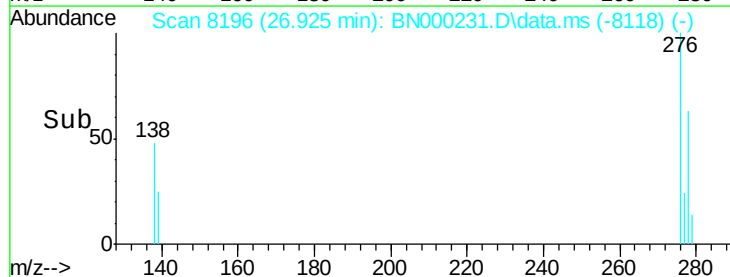
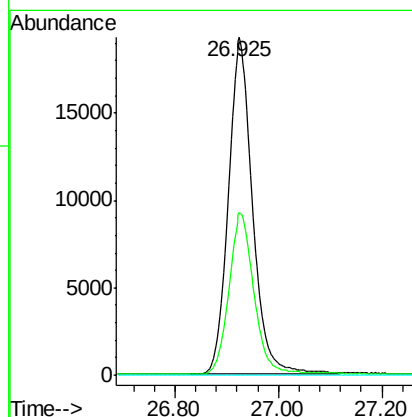
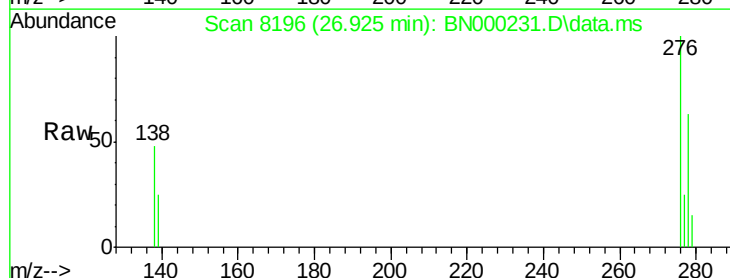
Tgt Ion:276 Resp: 64048

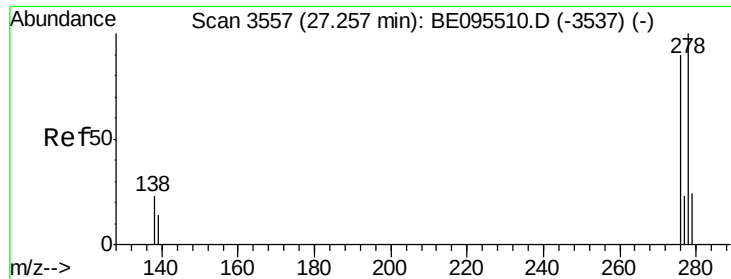
Ion Ratio Lower Upper

276 100

138 49.4 28.0 42.0#

227 0.0 8.0 12.0#

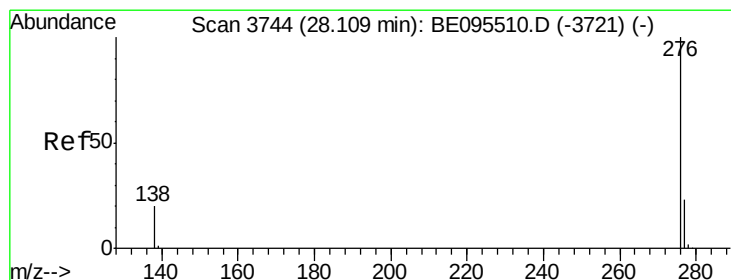
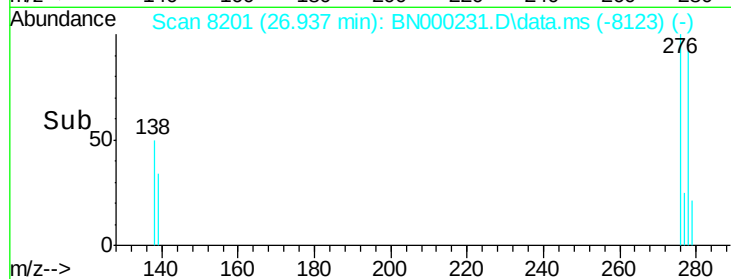
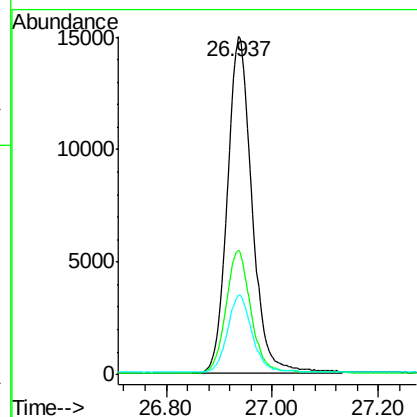
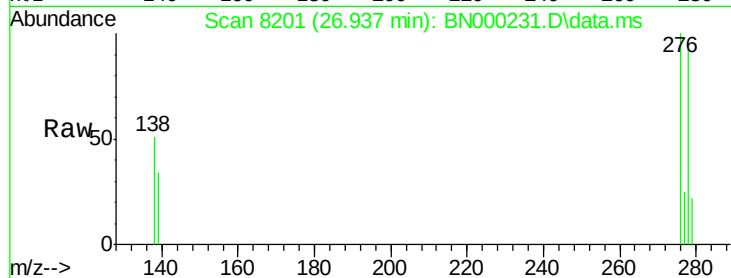




#25
Dibenzo(a,h)anthracene
Concen: 2.74 ng/ul
RT: 26.937 min Scan# 82
Delta R.T. -0.011 min
Lab File: BN000231.D
Acq: 02 Mar 2018 12:10

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 48276
Ion Ratio Lower Upper
278 100
139 36.8 17.4 26.0#
279 23.5 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 3.20 ng/ul
RT: 27.710 min Scan# 8520
Delta R.T. -0.011 min
Lab File: BN000231.D
Acq: 02 Mar 2018 12:10

Tgt Ion:276 Resp: 58358
Ion Ratio Lower Upper
276 100
138 43.4 21.8 32.8#
277 23.4 20.5 30.7

