

Data Path : Z:\HPCHEM1\BNA N\Data\BN030218\
 Data File : BN000228.D
 Acq On : 02 Mar 2018 10:27
 Operator : JU/SJ
 Sample : SSTD0.253
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 02 13:12:43 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	4377	0.40	ng/ul	0.00
2) Naphthalene-d8	11.291	136	13958	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.061	164	5934	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.783	188	13285	0.40	ng/ul	0.00
16) Chrysene-d12	21.898	240	7687	0.40	ng/ul	0.00
20) Perylene-d12	24.376	264	6186	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.847	152	3587	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.771	212	5797	0.11	ng/ul	0.00

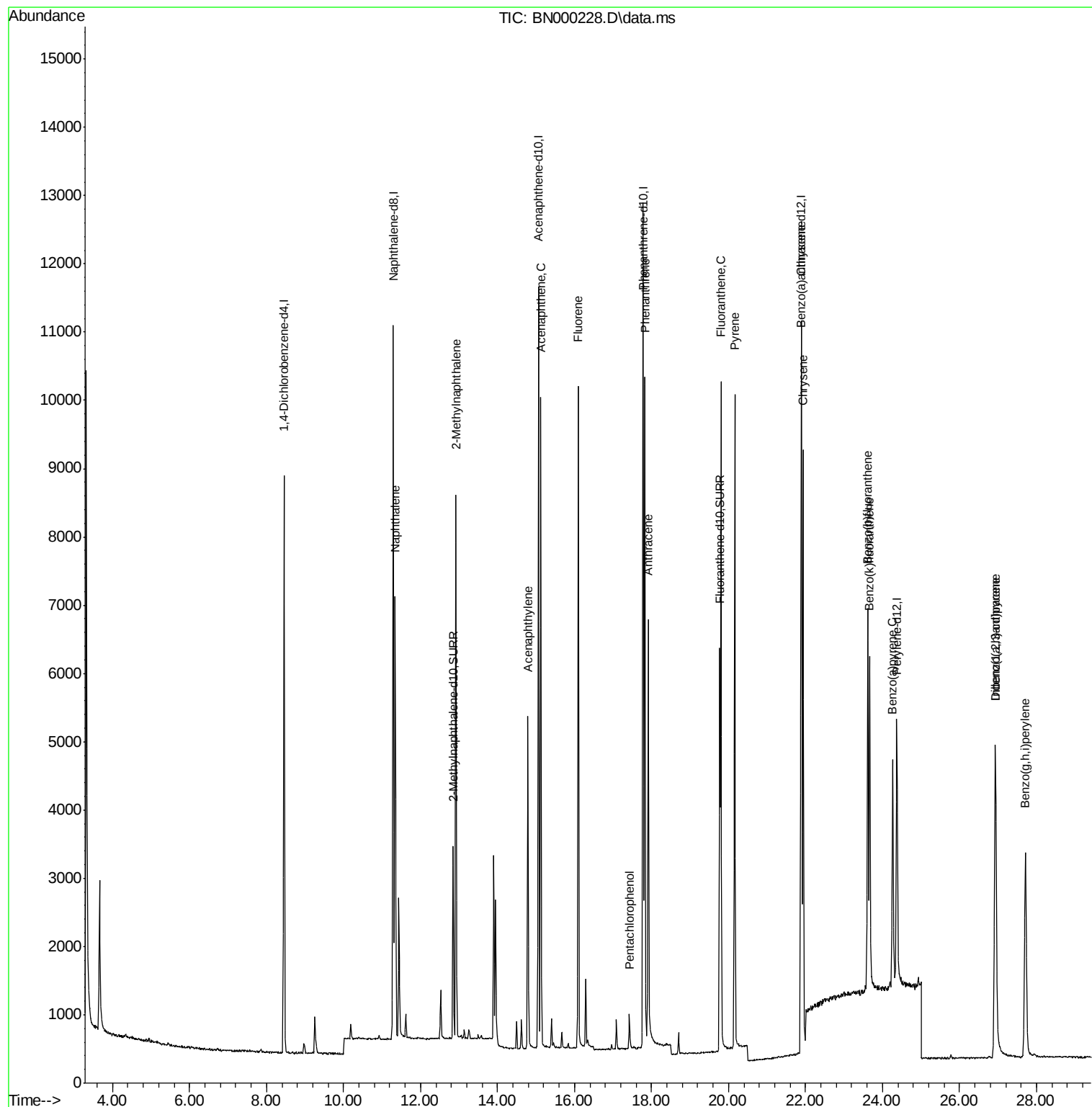
Target Compounds	Ovalue					
3) Naphthalene	11.340	128	8874	0.23	ng/ul#	88
5) 2-Methylnaphthalene	12.919	142	5517	0.21	ng/ul	99
7) Acenaphthylene	14.788	152	5717	0.20	ng/ul	97
8) Acenaphthene	15.126	153	5594	0.25	ng/ul	94
9) Fluorene	16.097	166	5905	0.26	ng/ul#	91
11) Pentachlorophenol	17.426	266	400	0.16	ng/ul	95
12) Phenanthrene	17.825	178	10546	0.24	ng/ul#	88
13) Anthracene	17.915	178	7397	0.18	ng/ul#	91
15) Fluoranthene	19.799	202	9536	0.16	ng/ul	62
17) Pyrene	20.161	202	9582	0.37	ng/ul#	55
18) Benzo(a)anthracene	21.881	228	5862	0.24	ng/ul#	84
19) Chrysene	21.937	228	8346	0.33	ng/ul	95
21) Benzo(b)fluoranthene	23.616	252	7300	0.33	ng/ul	89
22) Benzo(k)fluoranthene	23.666	252	6689	0.34	ng/ul#	90
23) Benzo(a)pyrene	24.262	252	5589	0.29	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	26.928	276	6060	0.28	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.937	278	4246	0.24	ng/ul#	81
26) Benzo(g,h,i)perylene	27.715	276	6211	0.34	ng/ul#	82

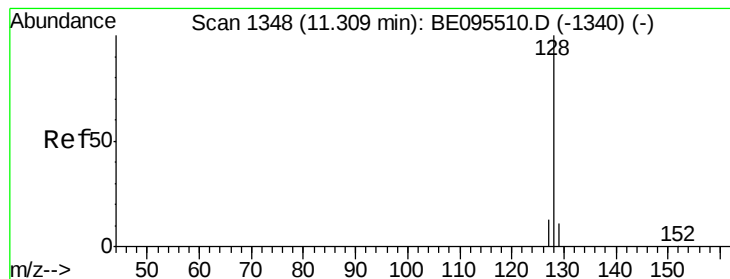
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.23 ng/ul

RT: 11.340 min Scan# 3076

Delta R.T. -0.002 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

Instrument :

BNA_N

ClientSampleId :

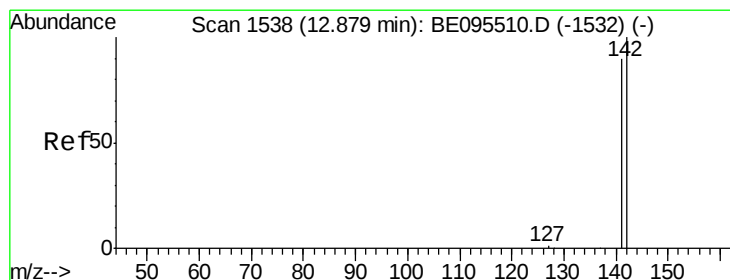
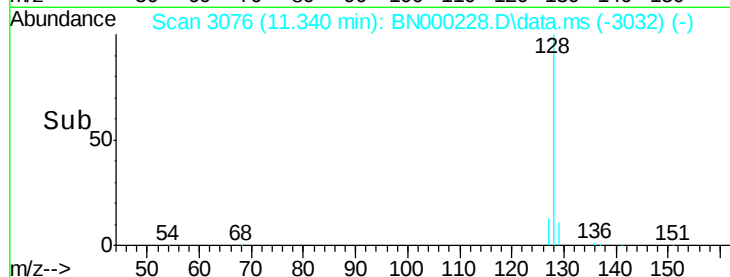
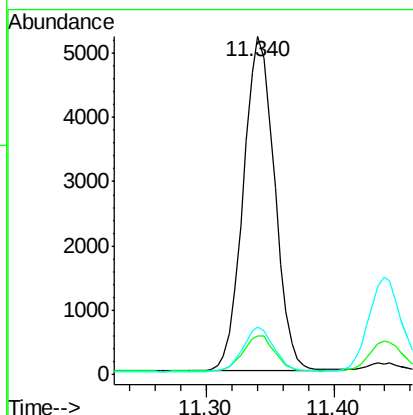
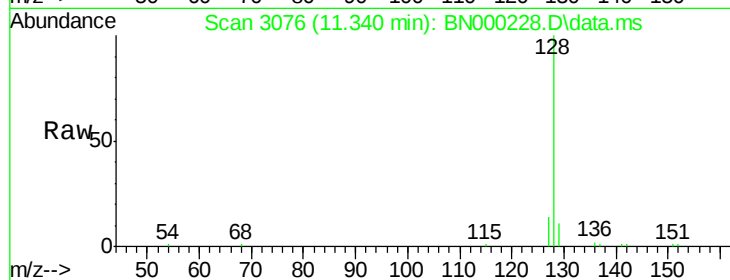
Tot Ion:128 Resp: 8874

Ion Ratio Lower Upper

128 100

129 11.4 11.3 16.9

127 14.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.21 ng/ul

RT: 12.919 min Scan# 3427

Delta R.T. -0.002 min

Lab File: BN000228.D

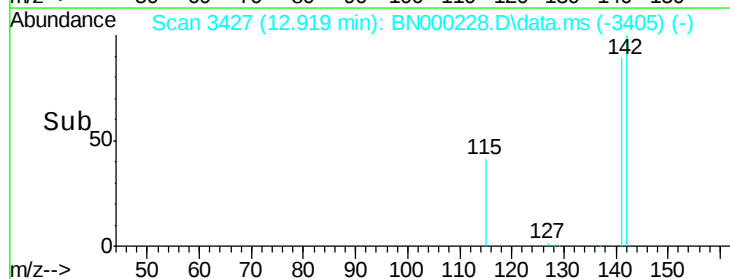
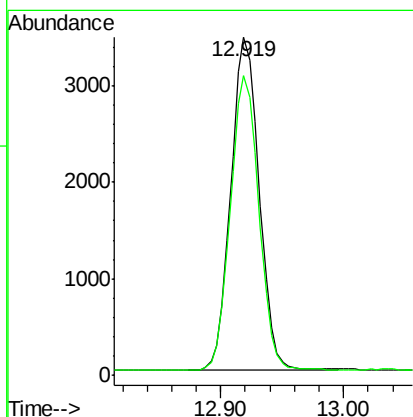
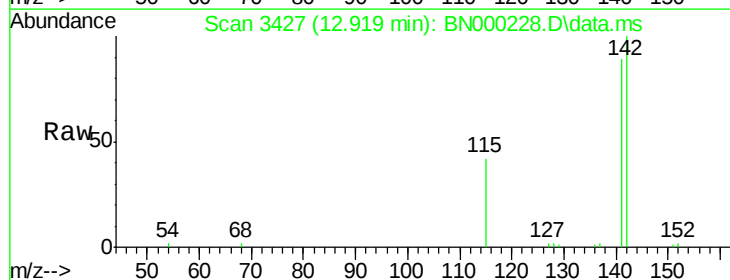
Acq: 02 Mar 2018 10:27

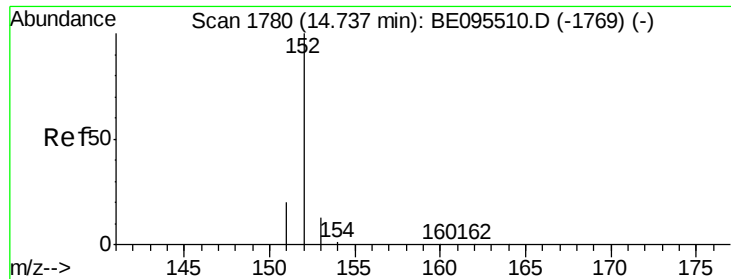
Tgt Ion:142 Resp: 5517

Ion Ratio Lower Upper

142 100

141 89.3 72.6 108.8





#7

Acenaphthylene

Concen: 0.20 ng/ul

RT: 14.788 min Scan# 38

Delta R.T. 0.002 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

Instrument :

BNA_N

ClientSampleId :

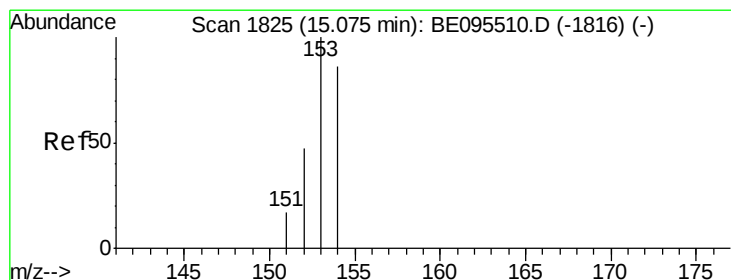
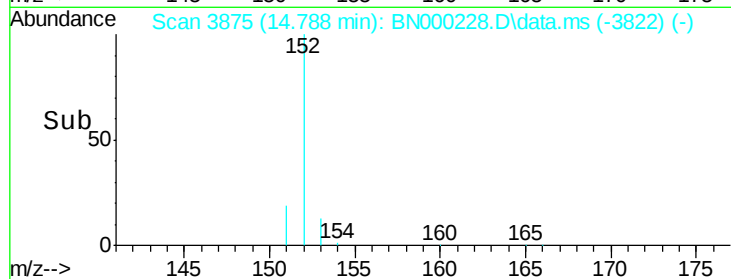
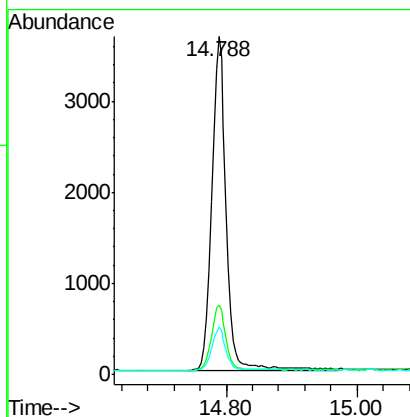
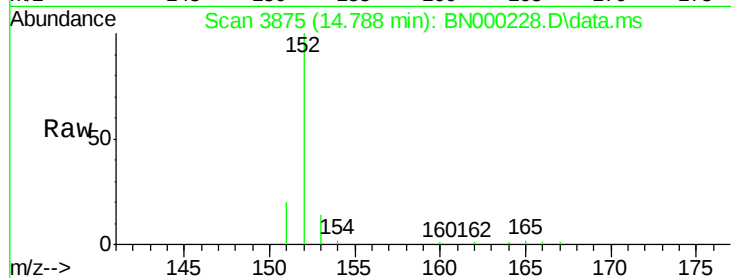
Tot Ion:152 Resp: 5717

Ion Ratio Lower Upper

152 100

151 20.4 17.1 25.7

153 13.9 12.8 19.2



#8

Acenaphthene

Concen: 0.25 ng/ul

RT: 15.126 min Scan# 3964

Delta R.T. 0.002 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

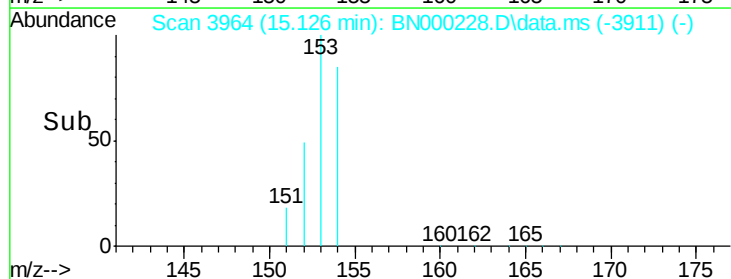
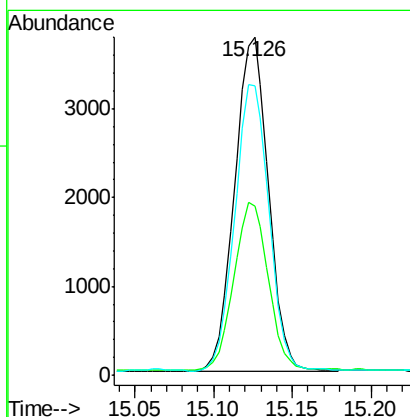
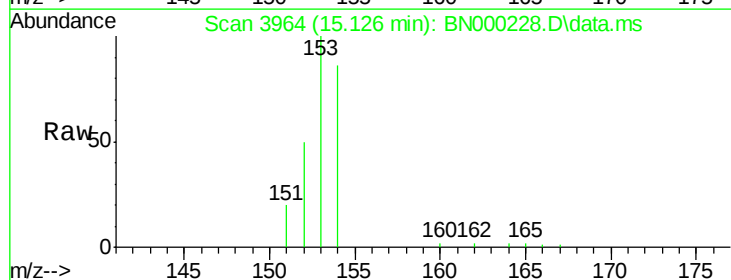
Tgt Ion:153 Resp: 5594

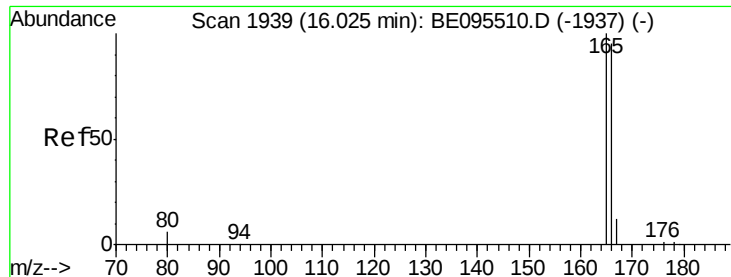
Ion Ratio Lower Upper

153 100

152 50.0 36.0 54.0

154 85.6 72.0 108.0





#9

Fluorene

Concen: 0.26 ng/ul

RT: 16.097 min Scan# 42

Delta R.T. -0.002 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

Instrument :

BNA_N

ClientSampleId :

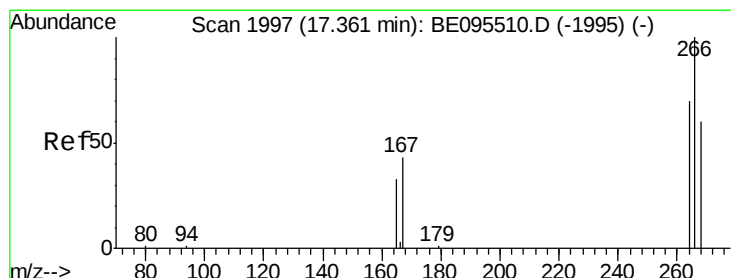
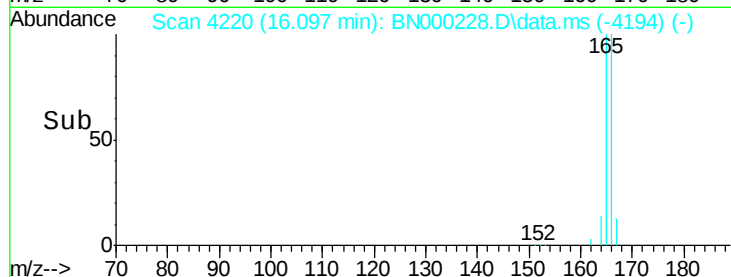
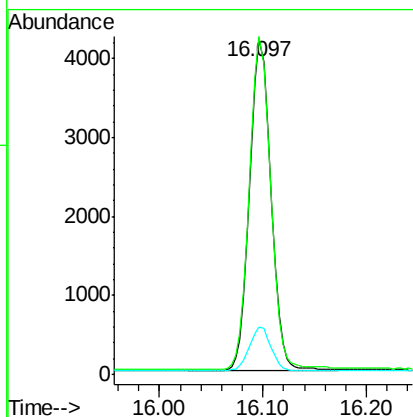
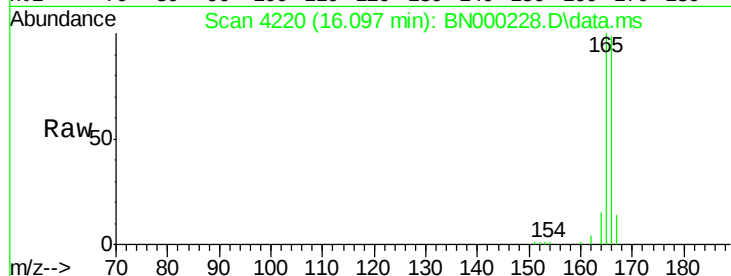
Tot Ion:166 Resp: 5905

Ion Ratio Lower Upper

166 100

165 100.7 73.4 110.2

167 14.1 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.16 ng/ul

RT: 17.426 min Scan# 4593

Delta R.T. 0.002 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

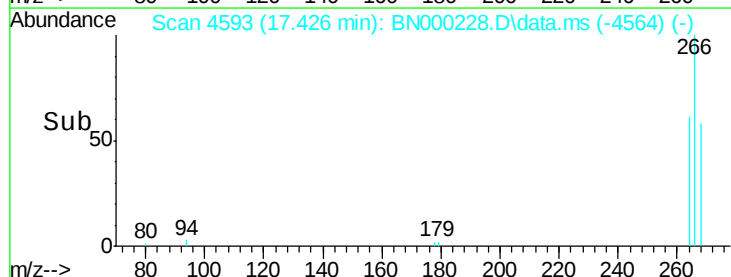
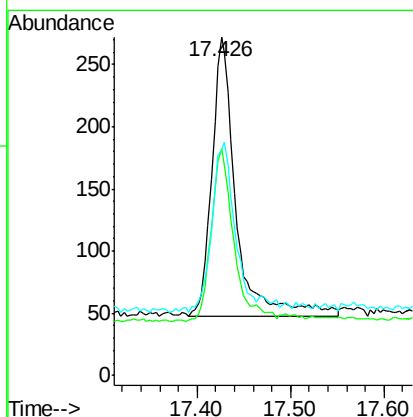
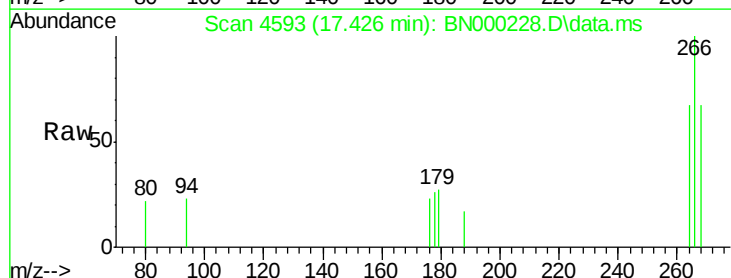
Tgt Ion:266 Resp: 400

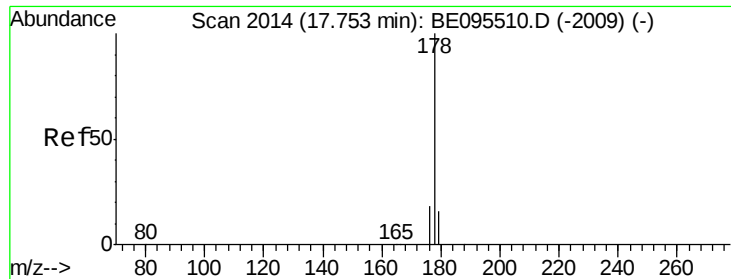
Ion Ratio Lower Upper

266 100

264 57.5 47.9 71.9

268 57.5 49.8 74.8





#12

Phenanthrene

Concen: 0.24 ng/ul

RT: 17.825 min Scan# 47

Delta R.T. 0.002 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

Instrument :

BNA_N

ClientSampleId :

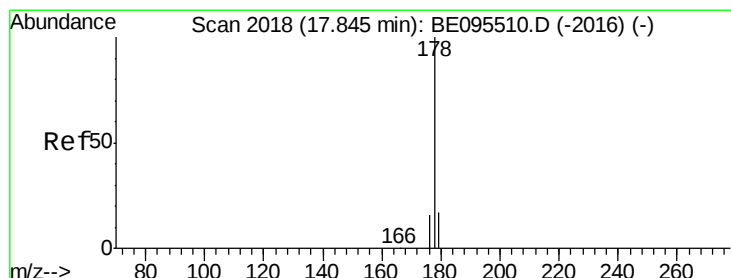
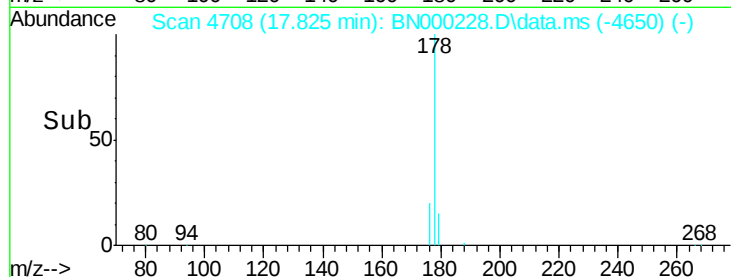
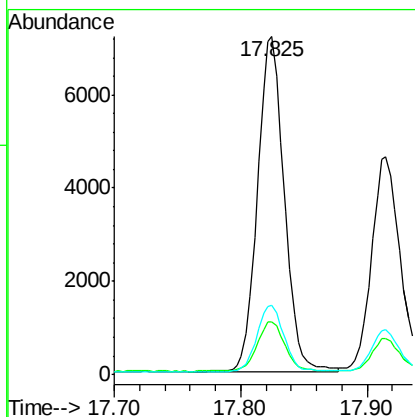
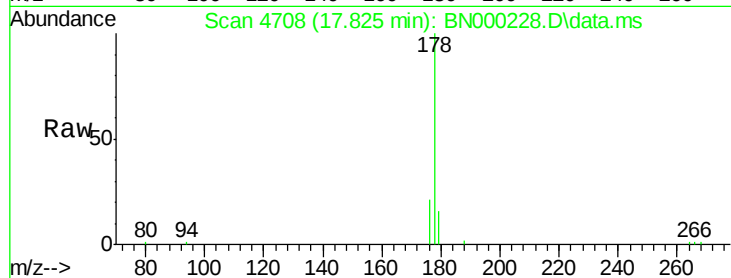
Tot Ion:178 Resp: 10546

Ion Ratio Lower Upper

178 100

179 15.7 18.4 27.6#

176 20.5 13.6 20.4#



#13

Anthracene

Concen: 0.18 ng/ul

RT: 17.915 min Scan# 4734

Delta R.T. 0.002 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

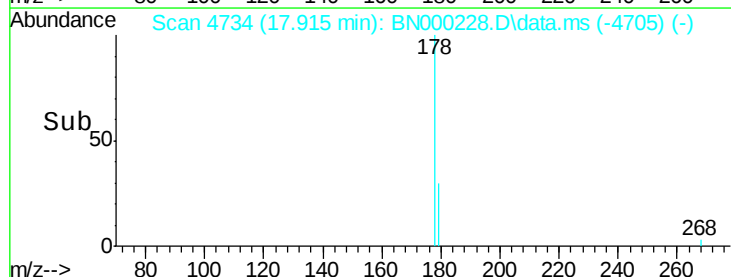
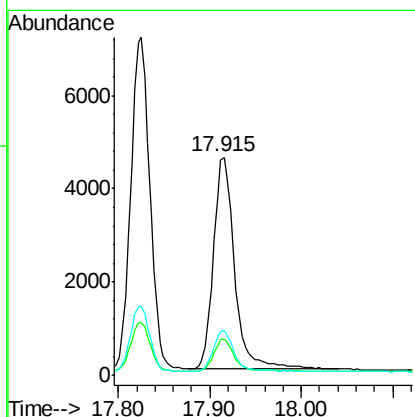
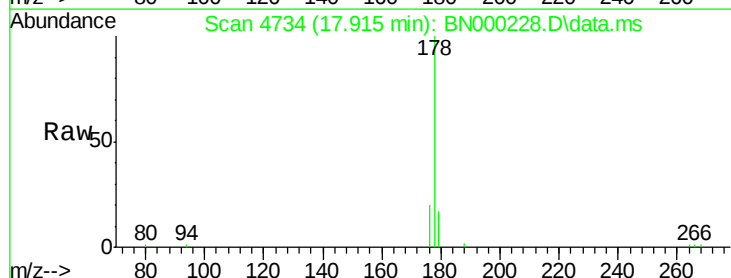
Tgt Ion:178 Resp: 7397

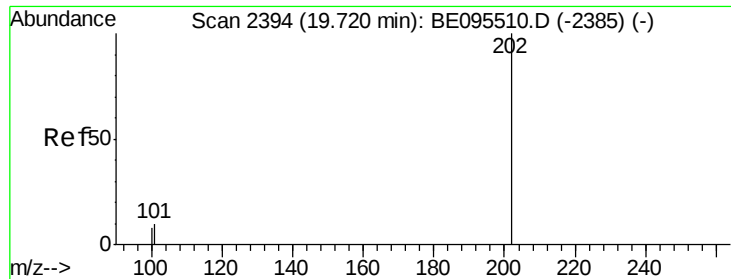
Ion Ratio Lower Upper

178 100

179 16.7 18.1 27.1#

176 20.4 14.7 22.1





#15

Fluoranthene

Concen: 0.16 ng/ul

RT: 19.799 min Scan# 5319

Delta R.T. -0.001 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

Instrument :

BNA_N

ClientSampleId :

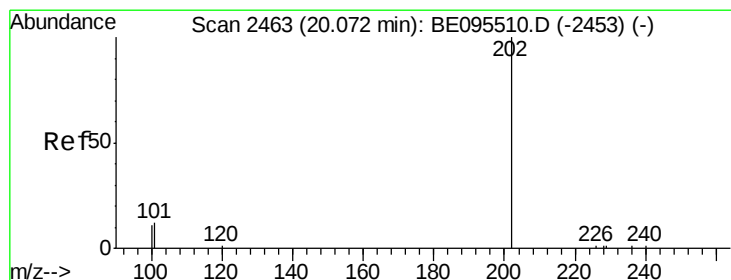
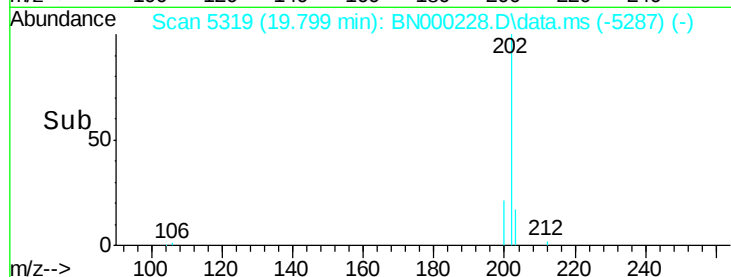
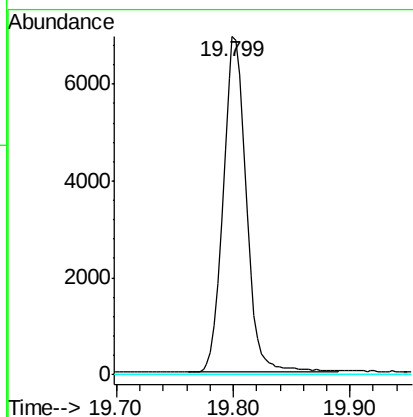
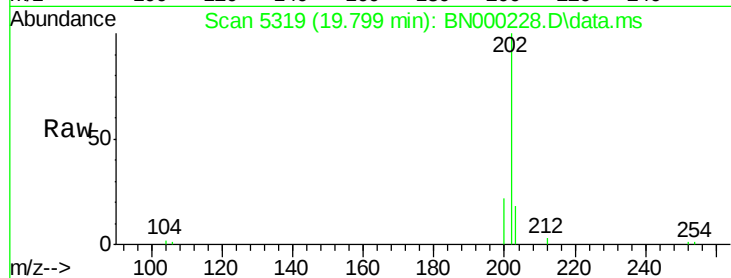
Tot Ion:202 Resp: 9536

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.3

100 0.0 0.0 39.5



#17

Pyrene

Concen: 0.37 ng/ul

RT: 20.161 min Scan# 5435

Delta R.T. 0.002 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

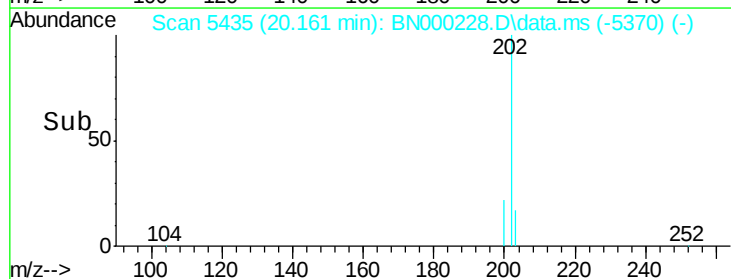
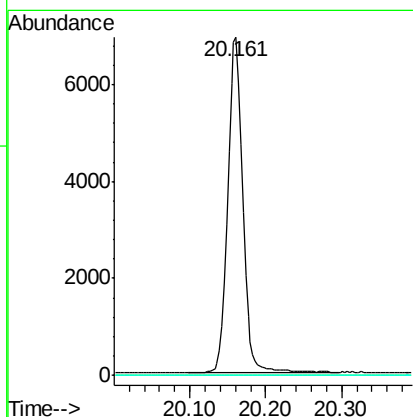
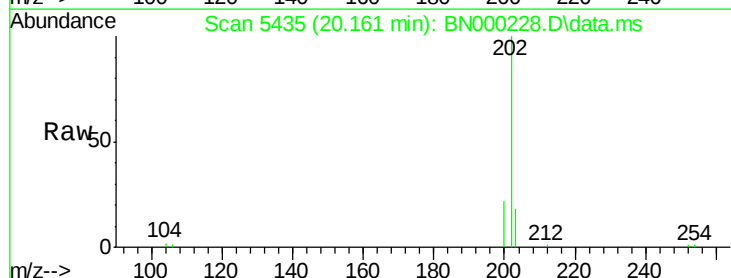
Tgt Ion:202 Resp: 9582

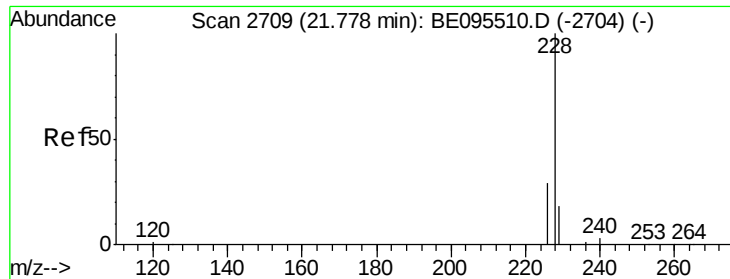
Ion Ratio Lower Upper

202 100

101 0.0 18.2 27.4#

100 0.0 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.24 ng/ul

RT: 21.881 min Scan# 6114

Delta R.T. -0.004 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

Instrument :

BNA_N

ClientSampleId :

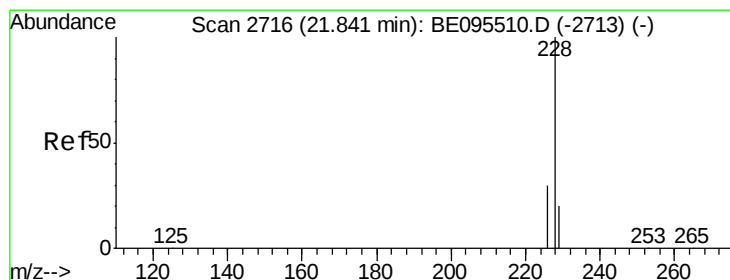
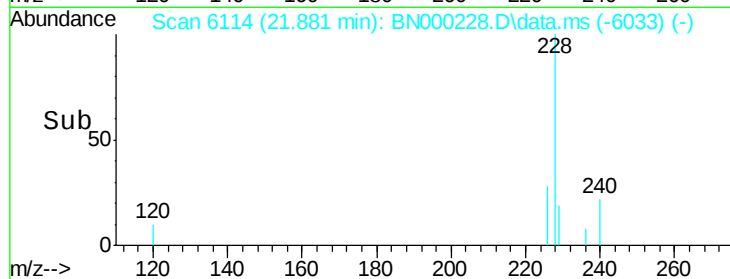
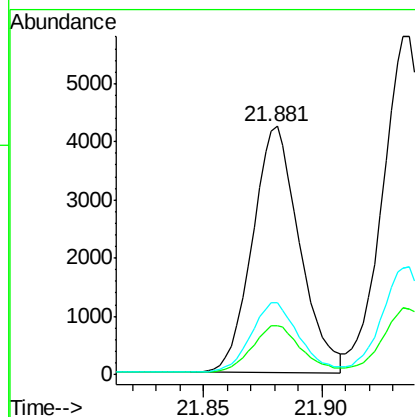
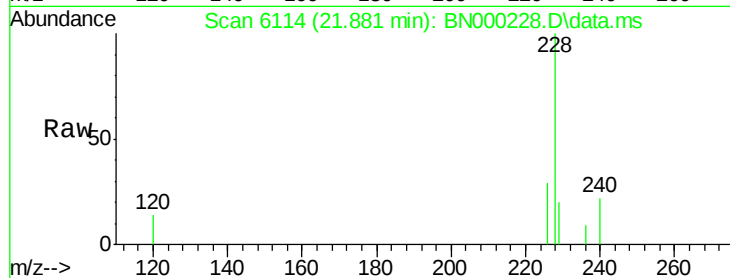
Tot Ion:228 Resp: 5862

Ion Ratio Lower Upper

228 100

229 19.6 22.8 34.2#

226 28.8 17.0 25.6#



#19

Chrysene

Concen: 0.33 ng/ul

RT: 21.937 min Scan# 6137

Delta R.T. -0.001 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

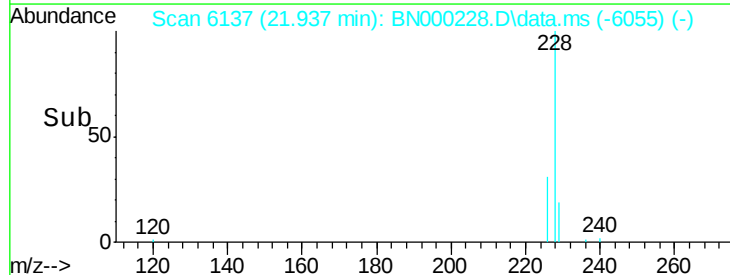
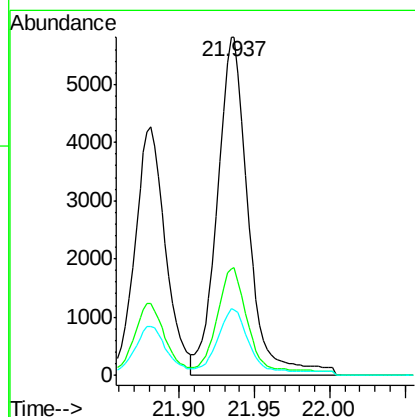
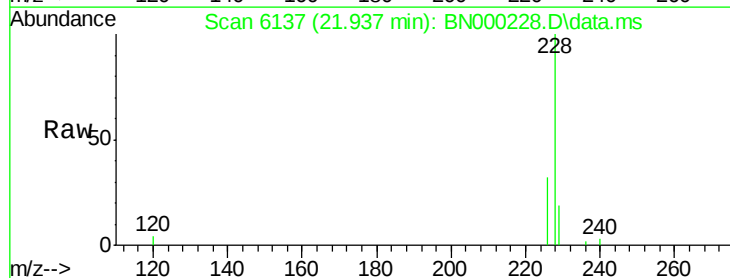
Tgt Ion:228 Resp: 8346

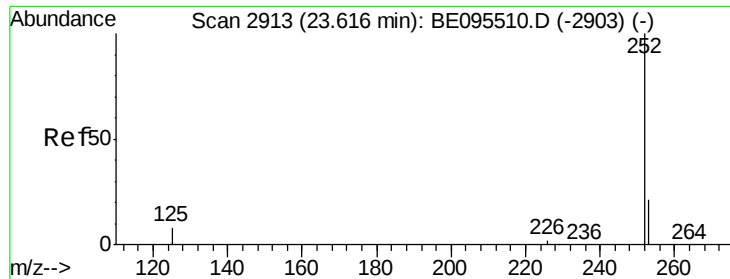
Ion Ratio Lower Upper

228 100

226 31.8 23.4 35.0

229 19.3 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.33 ng/ul

RT: 23.616 min Scan# 68

Delta R.T. -0.008 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

Instrument :

BNA_N

ClientSampleId :

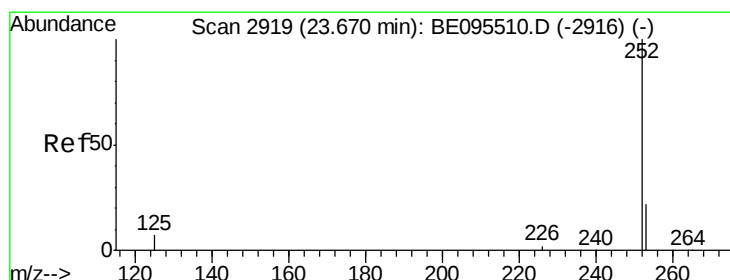
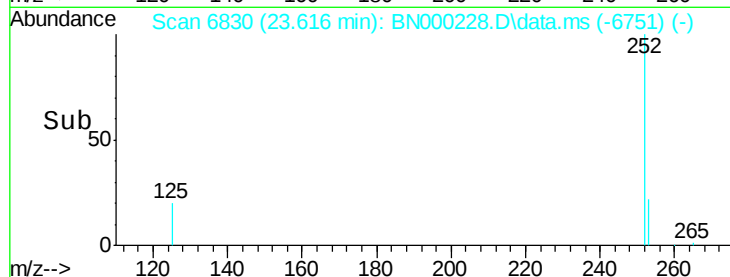
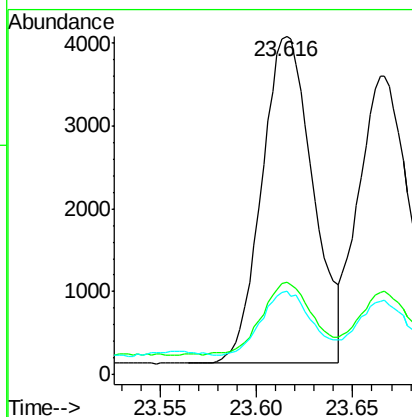
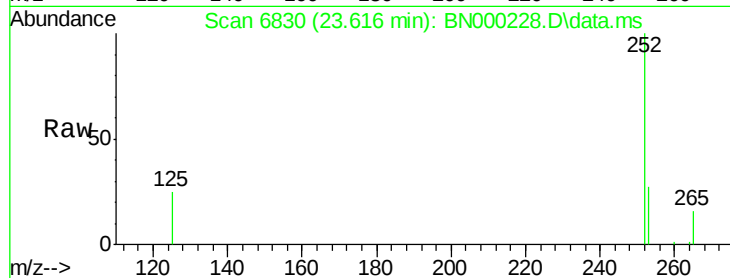
Tot Ion:252 Resp: 7300

Ion Ratio Lower Upper

252 100

253 27.2 0.0 64.2

125 24.6 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.34 ng/ul

RT: 23.666 min Scan# 6851

Delta R.T. -0.006 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

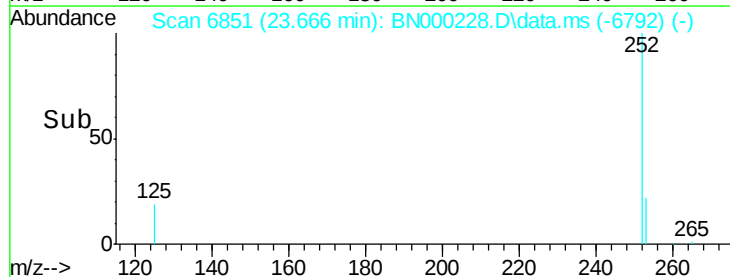
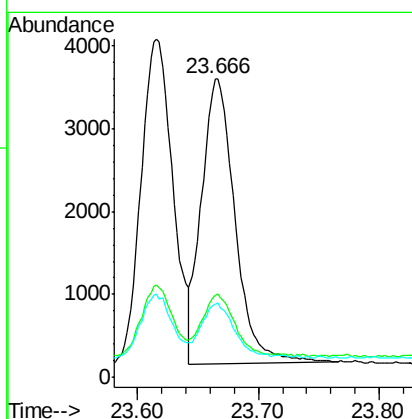
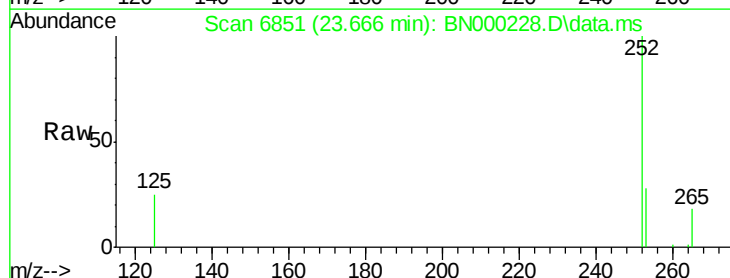
Tgt Ion:252 Resp: 6689

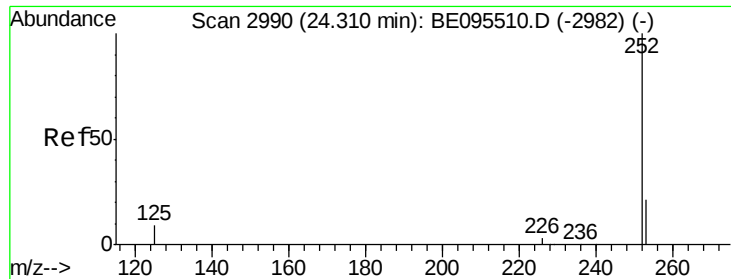
Ion Ratio Lower Upper

252 100

253 27.9 24.5 36.7

125 24.9 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.29 ng/ul

RT: 24.262 min Scan# 70

Delta R.T. -0.008 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

Instrument :

BNA_N

ClientSampleId :

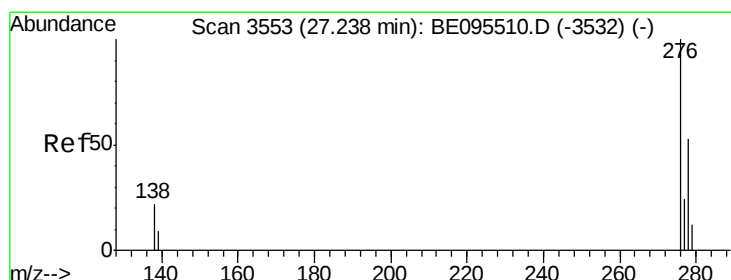
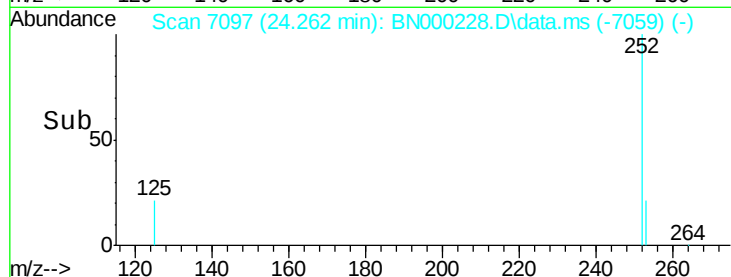
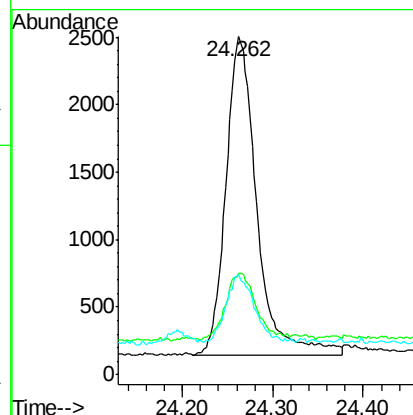
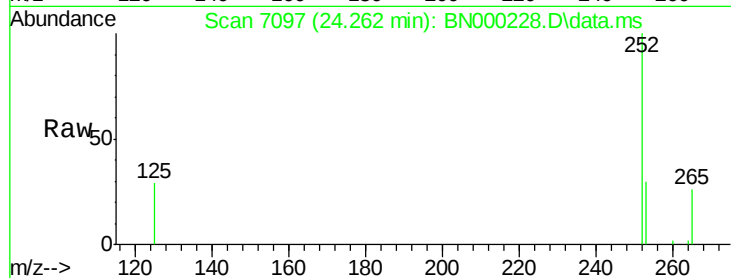
Tot Ion:252 Resp: 5589

Ion Ratio Lower Upper

252 100

253 30.0 28.5 42.7

125 29.4 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.28 ng/ul

RT: 26.928 min Scan# 8197

Delta R.T. -0.008 min

Lab File: BN000228.D

Acq: 02 Mar 2018 10:27

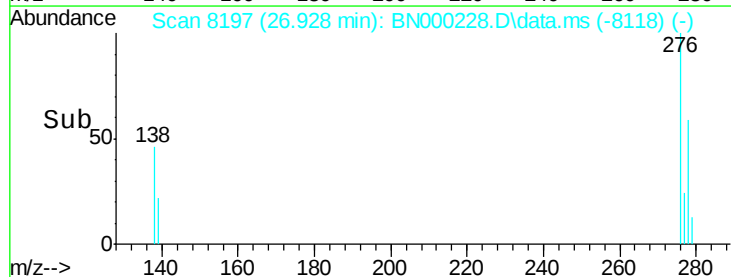
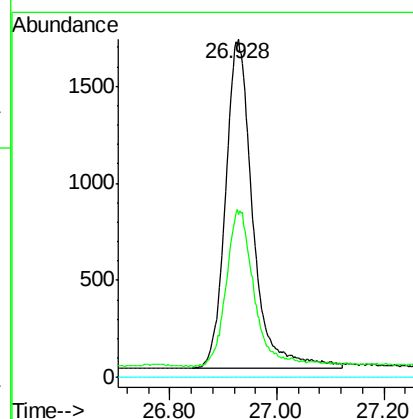
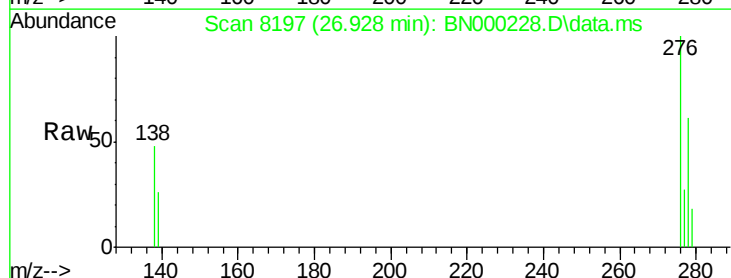
Tgt Ion:276 Resp: 6060

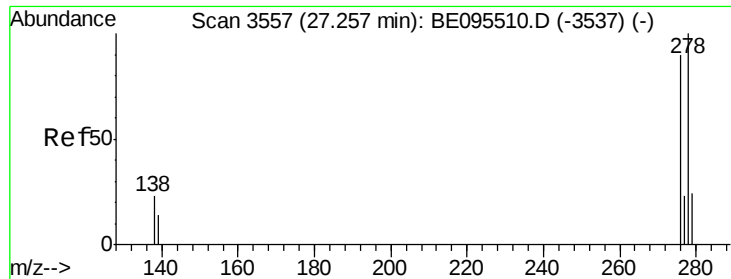
Ion Ratio Lower Upper

276 100

138 47.1 28.0 42.0#

227 0.0 8.0 12.0#

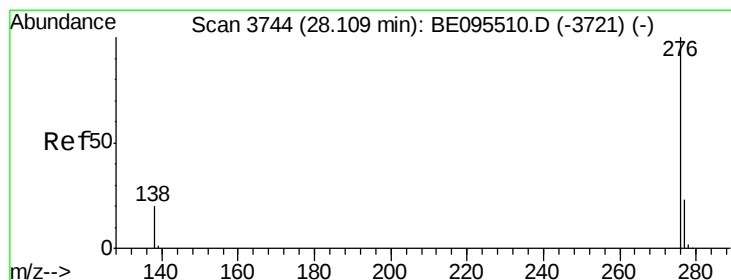
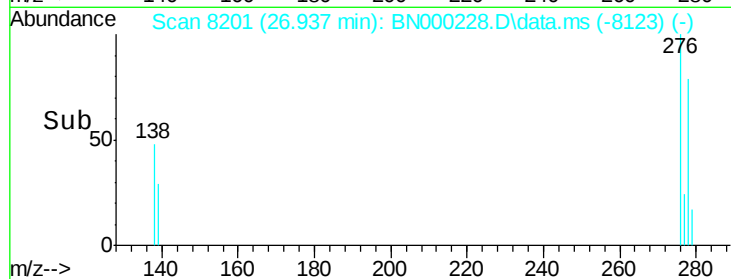
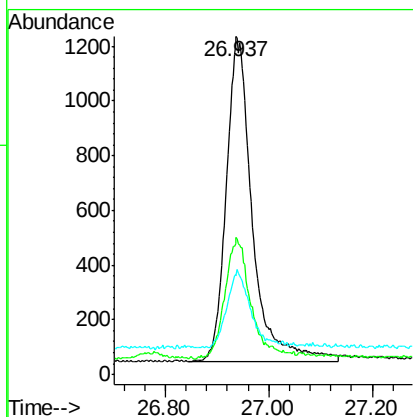
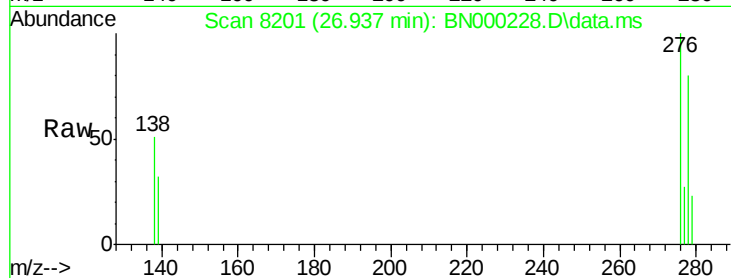




#25
 Dibenzo(a,h)anthracene
 Concen: 0.24 ng/ul
 RT: 26.937 min Scan# 82
 Delta R.T. -0.011 min
 Lab File: BN000228.D
 Acq: 02 Mar 2018 10:27

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:278 Resp: 4246
 Ion Ratio Lower Upper
 278 100
 139 40.5 17.4 26.0#
 279 29.0 25.9 38.9



#26
 Benzo(g,h,i)perylene
 Concen: 0.34 ng/ul
 RT: 27.715 min Scan# 8522
 Delta R.T. -0.006 min
 Lab File: BN000228.D
 Acq: 02 Mar 2018 10:27

Tgt Ion:276 Resp: 6211
 Ion Ratio Lower Upper
 276 100
 138 44.7 21.8 32.8#
 277 26.6 20.5 30.7

