

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094735.D
 Acq On : 4 Nov 2017 7:33
 Operator : SJ/JU
 Sample : I5955-02 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-10(3-5)-101617

Quant Time: Nov 05 23:58:21 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 04 06:57:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1165	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	7198	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	4208	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9825	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	10338	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	12288	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	1010	0.09	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	2511	0.09	ng/ul	0.00

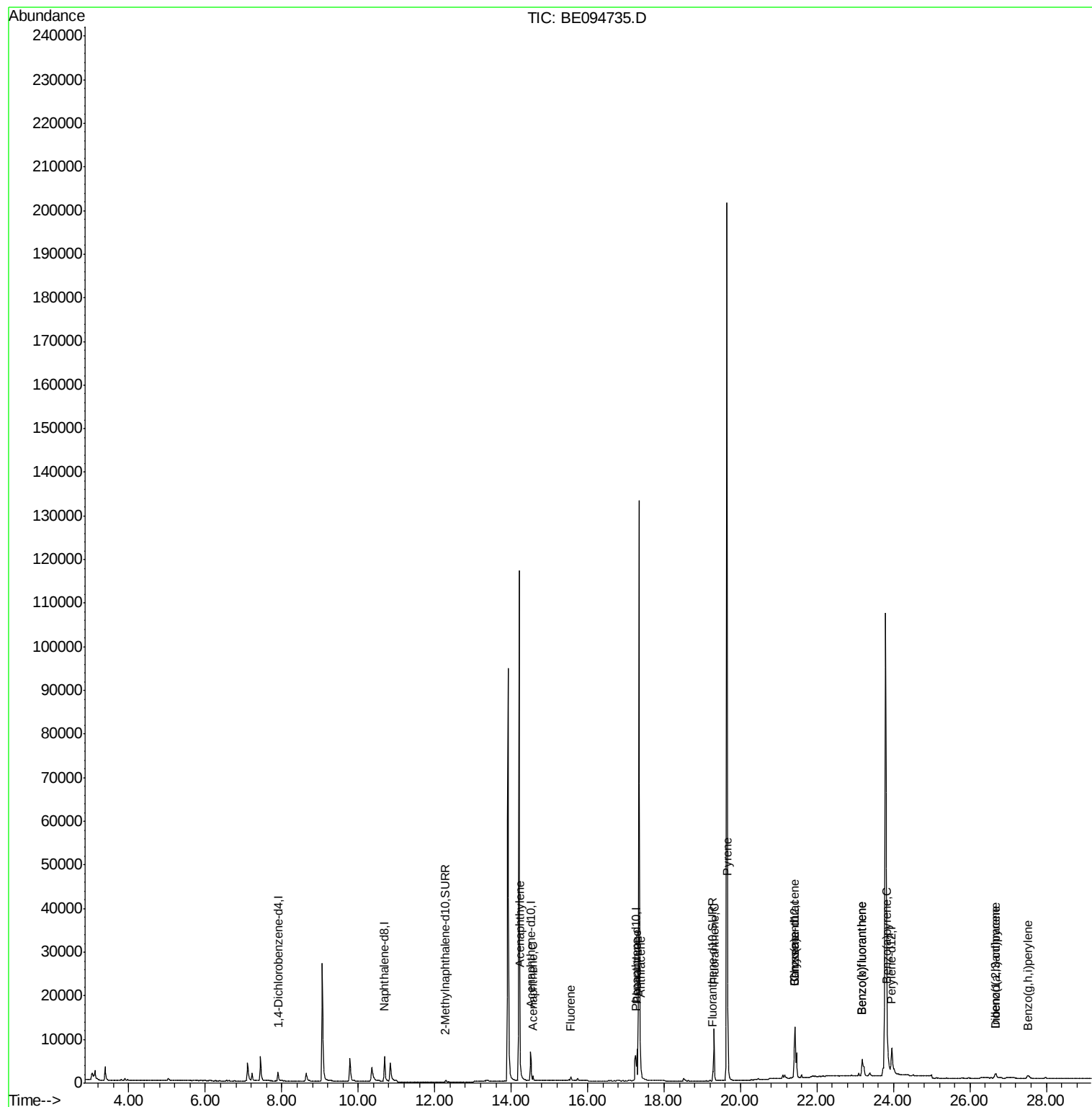
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Acenaphthylene	14.24	152	489	0.03	ng/ul#	65
8) Acenaphthene	14.57	153	717	0.05	ng/ul	96
9) Fluorene	15.56	166	688	0.04	ng/ul#	89
12) Phenanthrene	17.29	178	8866	0.34	ng/ul#	92
13) Anthracene	17.38	178	2010	0.08	ng/ul	96
15) Fluoranthene	19.31	202	14402	0.48	ng/ul	84
17) Pyrene	19.67	202	12982	0.41	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	6855	0.23	ng/ul#	88
19) Chrysene	21.41	228	6855	0.22	ng/ul	98
21) Benzo(b)fluoranthene	23.18	252	10098	0.29	ng/ul	91
22) Benzo(k)fluoranthene	23.18	252	10098	0.27	ng/ul#	92
23) Benzo(a)pyrene	23.85	252	4892	0.14	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	26.67	276	2630	0.07	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.66	278	675	0.02	ng/ul#	6
26) Benzo(g,h,i)perylene	27.52	276	2179	0.08	ng/ul#	65

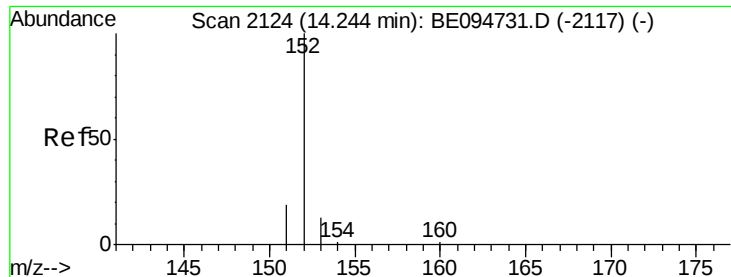
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094735.D

Acq: 4 Nov 2017 7:33

Instrument :

BNA_E

ClientSampleId :

B-10(3-5)-101617

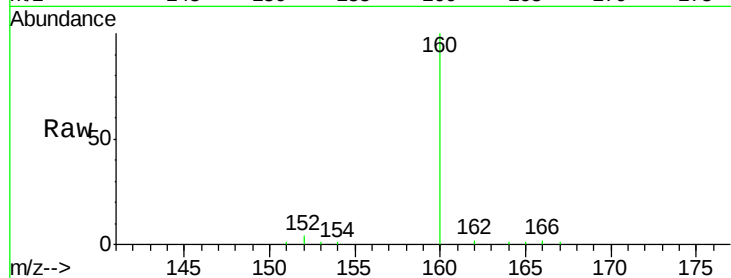
Tot Ion:152 Resp: 489

Ion Ratio Lower Upper

152 100

151 36.8 17.1 25.7#

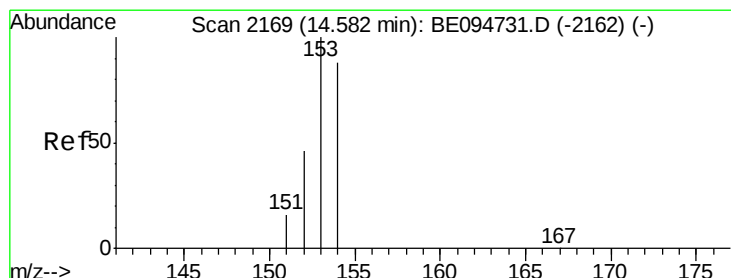
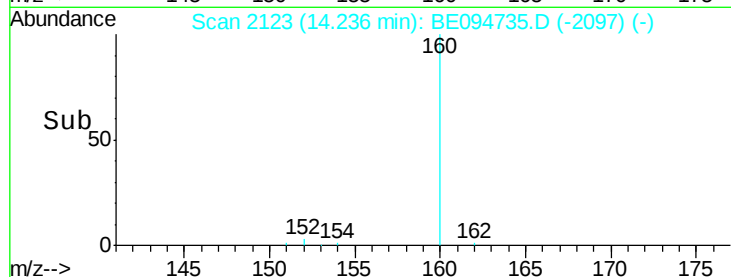
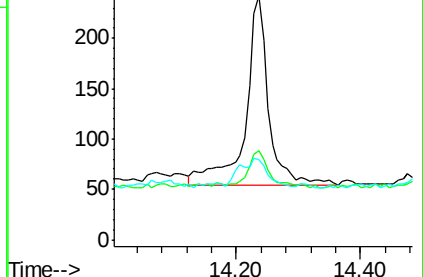
153 32.6 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094735.D

Acq: 4 Nov 2017 7:33

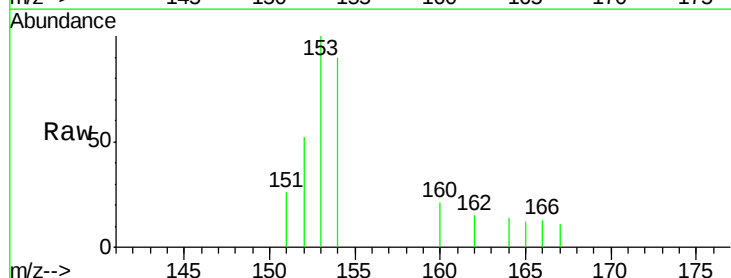
Tgt Ion:153 Resp: 717

Ion Ratio Lower Upper

153 100

152 51.9 36.0 54.0

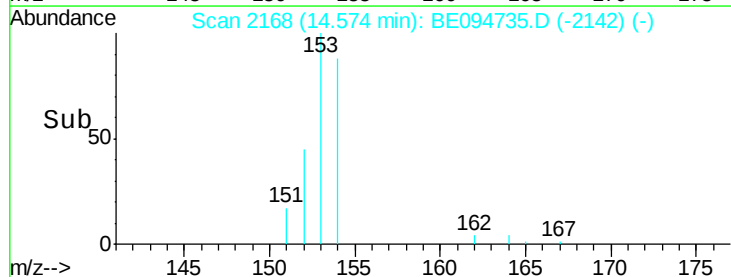
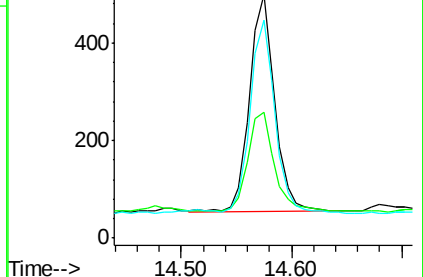
154 89.8 72.0 108.0

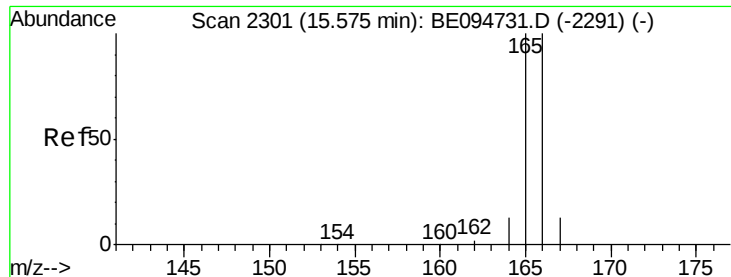


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.04 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094735.D

Acq: 4 Nov 2017 7:33

Instrument :

BNA_E

ClientSampleId :

B-10(3-5)-101617

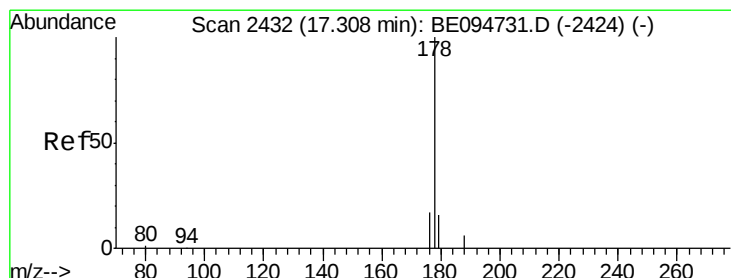
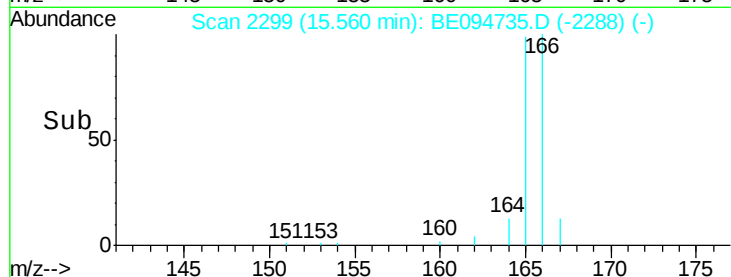
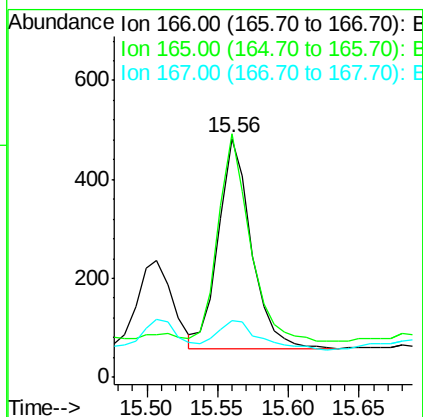
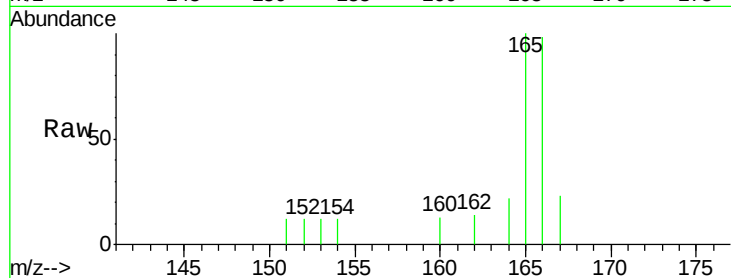
Tot Ion:166 Resp: 688

Ion Ratio Lower Upper

166 100

165 101.9 73.4 110.2

167 23.8 14.6 22.0#



#12

Phenanthrene

Concen: 0.34 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094735.D

Acq: 4 Nov 2017 7:33

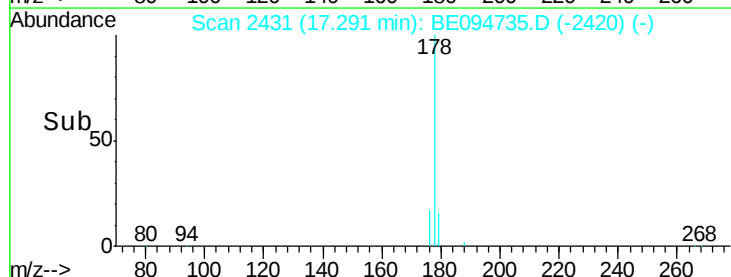
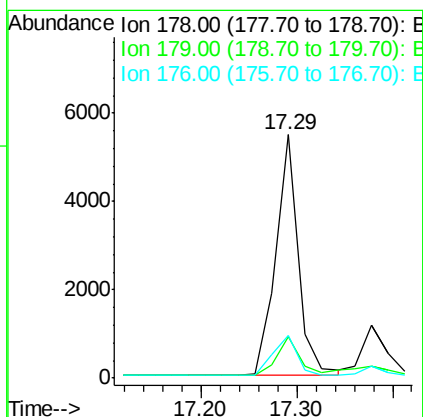
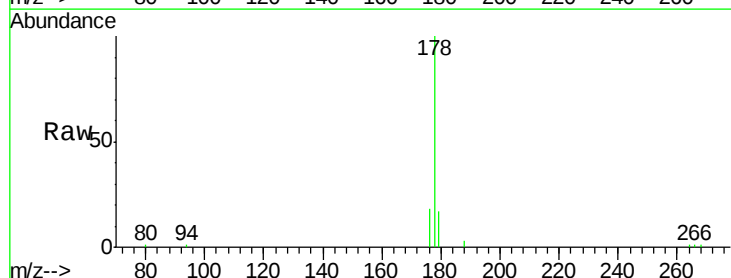
Tgt Ion:178 Resp: 8866

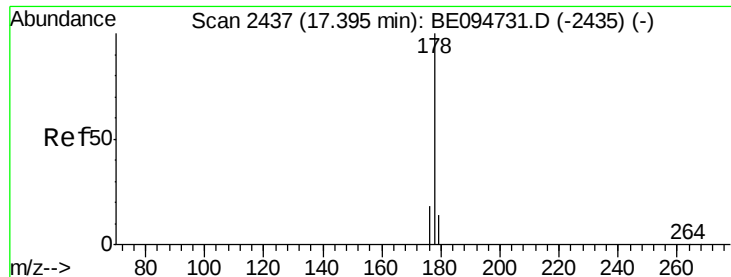
Ion Ratio Lower Upper

178 100

179 16.8 18.4 27.6#

176 17.7 13.6 20.4





#13

Anthracene

Concen: 0.08 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094735.D

Acq: 4 Nov 2017 7:33

Instrument :

BNA_E

ClientSampleId :

B-10(3-5)-101617

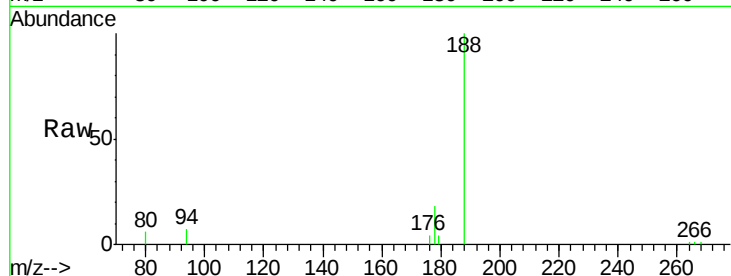
Tot Ion:178 Resp: 2010

Ion Ratio Lower Upper

178 100

179 22.7 18.1 27.1

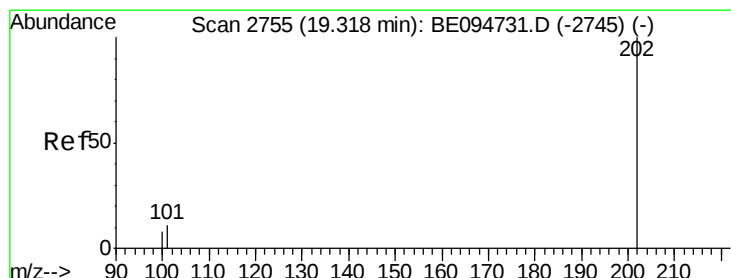
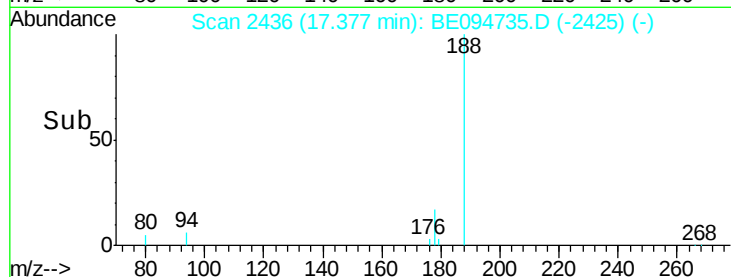
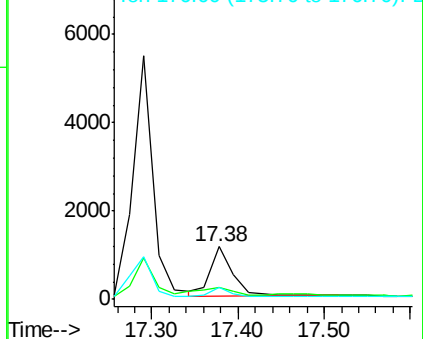
176 21.9 14.7 22.1



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: 0.48 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094735.D

Acq: 4 Nov 2017 7:33

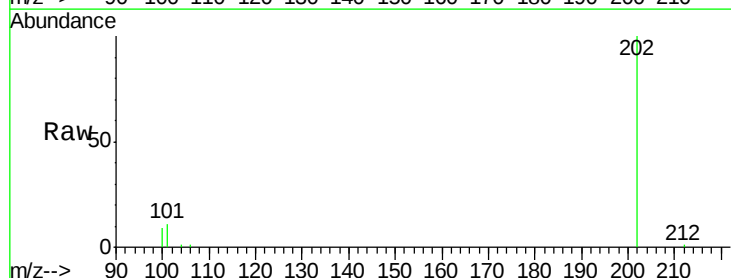
Tgt Ion:202 Resp: 14402

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.3

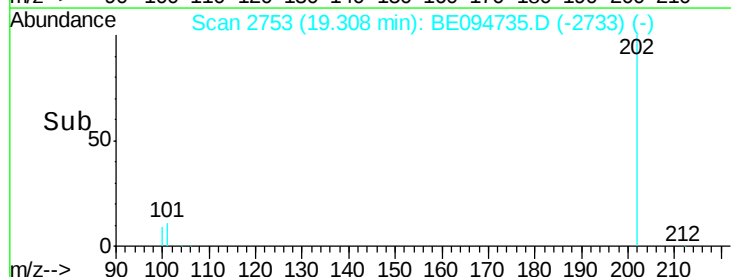
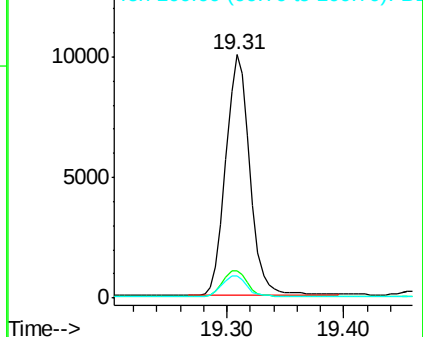
100 9.3 0.0 39.5

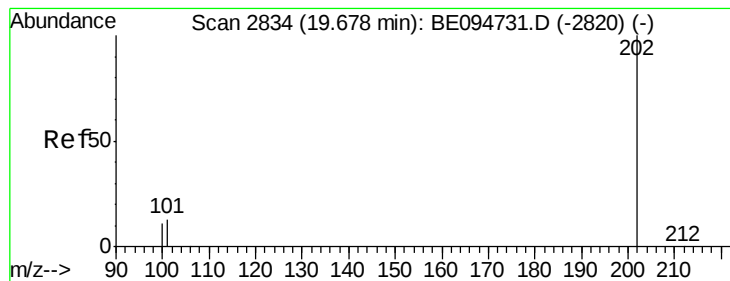


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 0.41 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BE094735.D

Acq: 4 Nov 2017 7:33

Instrument :

BNA_E

ClientSampleId :

B-10(3-5)-101617

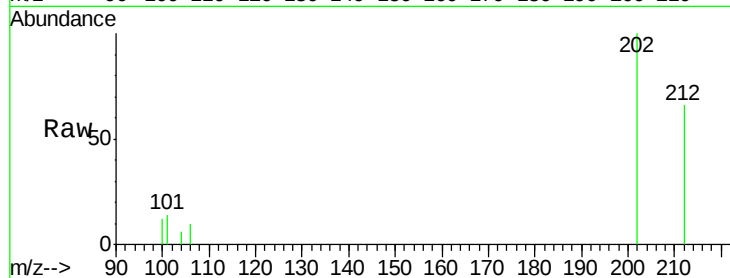
Tot Ion:202 Resp: 12982

Ion Ratio Lower Upper

202 100

101 14.0 18.2 27.4#

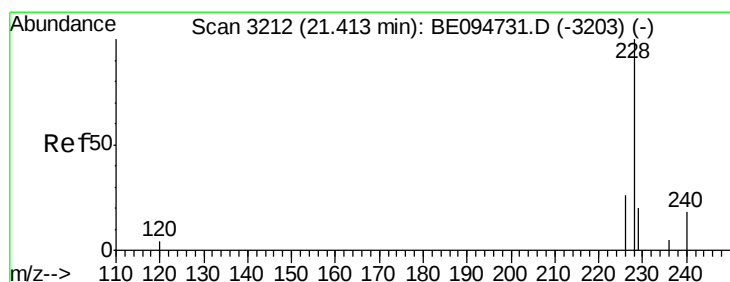
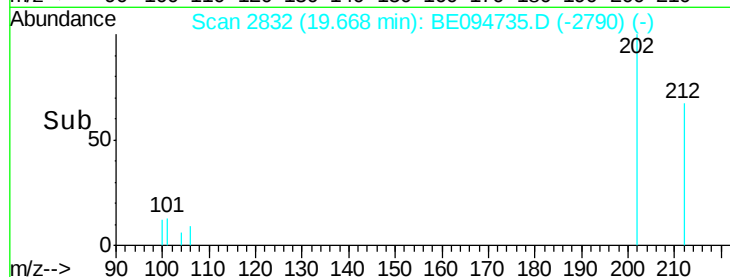
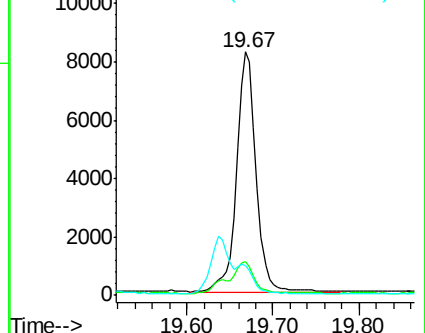
100 12.3 15.6 23.4#



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): BE



#18

Benzo(a)anthracene

Concen: 0.23 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: BE094735.D

Acq: 4 Nov 2017 7:33

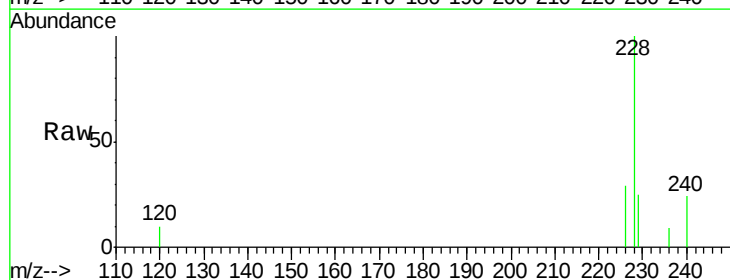
Tgt Ion:228 Resp: 6855

Ion Ratio Lower Upper

228 100

229 24.6 22.8 34.2

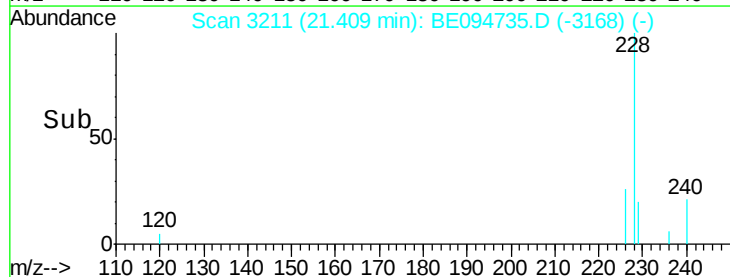
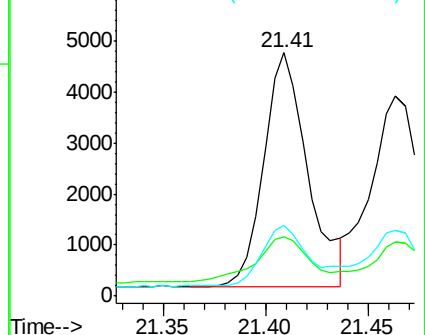
226 29.3 17.0 25.6#

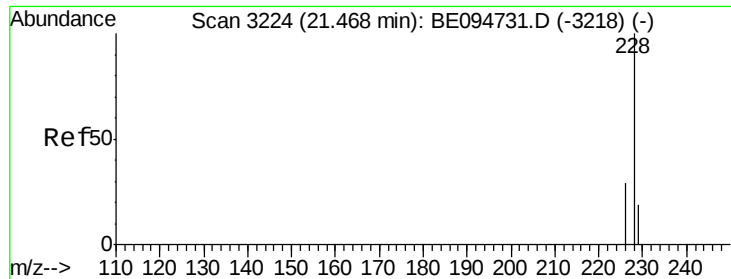


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.22 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. -0.06 min

Lab File: BE094735.D

Acq: 4 Nov 2017 7:33

Instrument :

BNA_E

ClientSampleId :

B-10(3-5)-101617

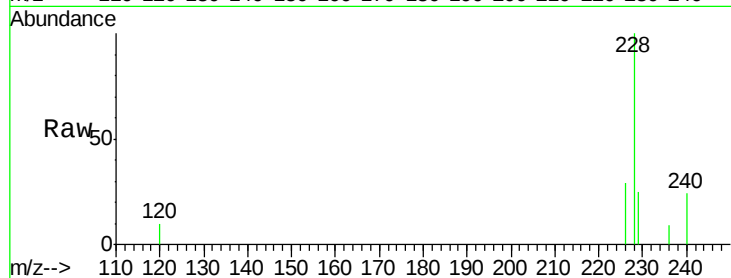
Tot Ion:228 Resp: 6855

Ion Ratio Lower Upper

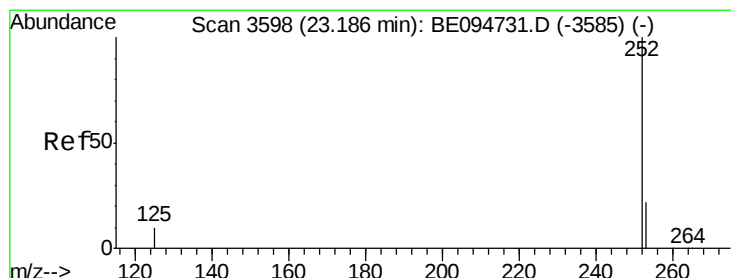
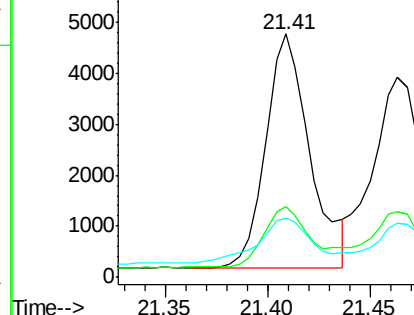
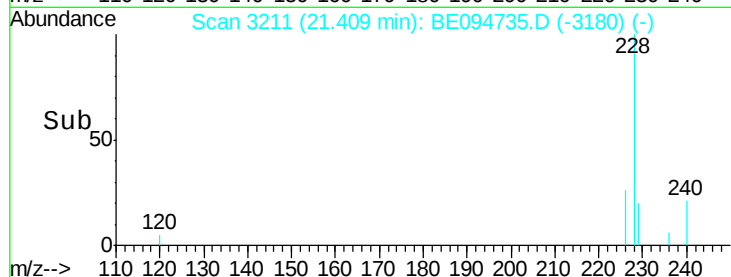
228 100

226 29.3 23.4 35.0

229 24.6 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: 0.29 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. -0.00 min

Lab File: BE094735.D

Acq: 4 Nov 2017 7:33

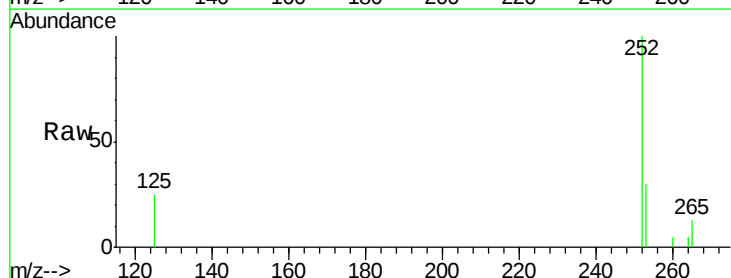
Tgt Ion:252 Resp: 10098

Ion Ratio Lower Upper

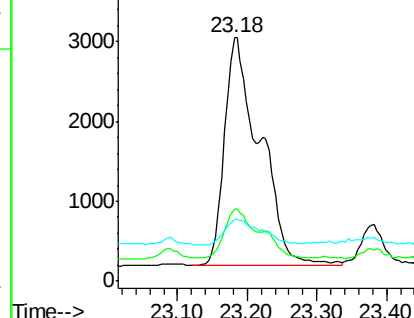
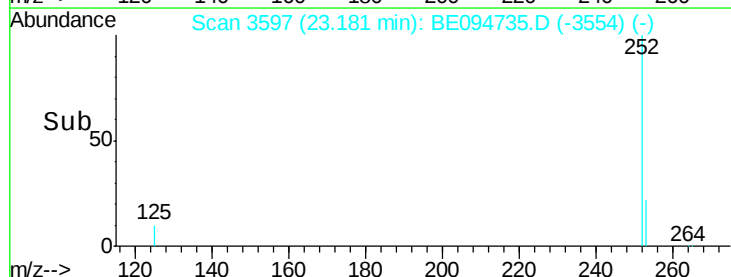
252 100

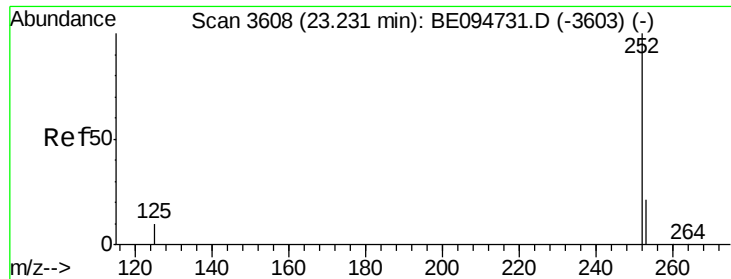
253 29.7 0.0 64.2

125 25.2 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: 0.27 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. -0.05 min

Lab File: BE094735.D

Acq: 4 Nov 2017 7:33

Instrument :

BNA_E

ClientSampleId :

B-10(3-5)-101617

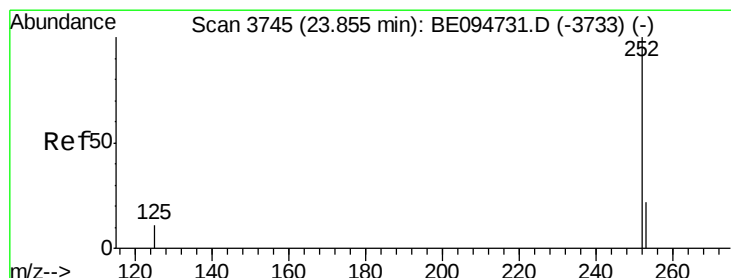
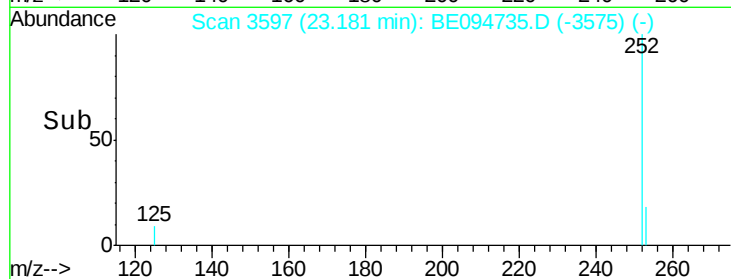
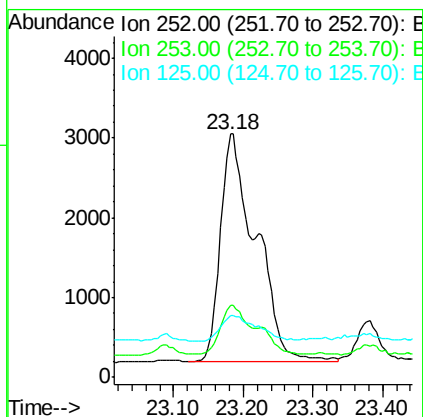
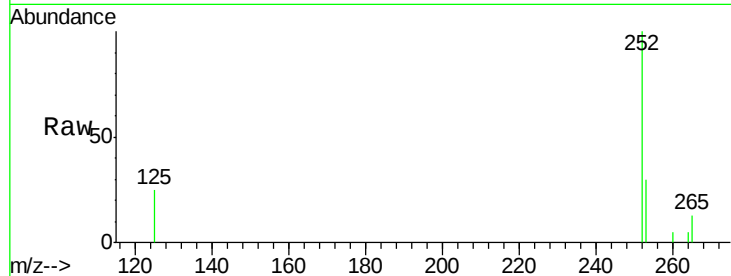
Tot Ion:252 Resp: 10098

Ion Ratio Lower Upper

252 100

253 29.7 24.5 36.7

125 25.2 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 0.14 ng/ul

RT: 23.85 min Scan# 3743

Delta R.T. -0.01 min

Lab File: BE094735.D

Acq: 4 Nov 2017 7:33

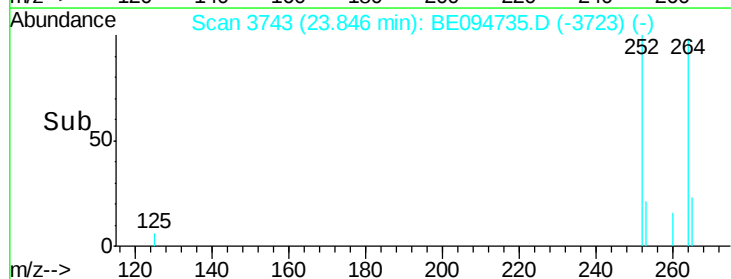
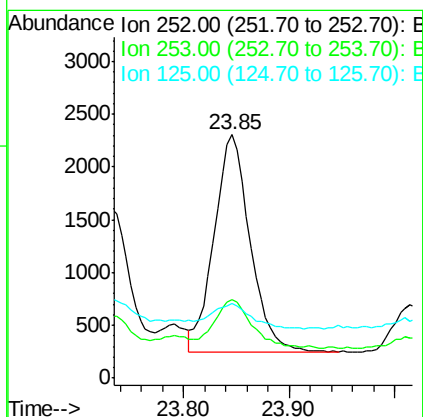
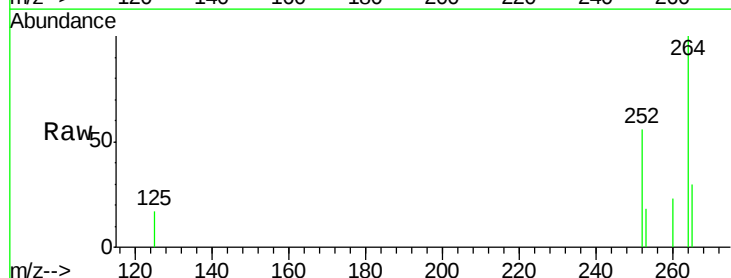
Tgt Ion:252 Resp: 4892

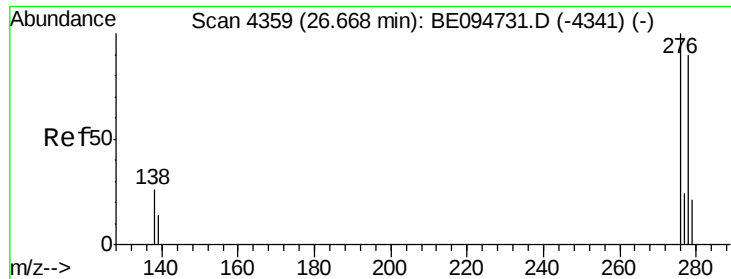
Ion Ratio Lower Upper

252 100

253 32.2 28.5 42.7

125 30.7 18.1 27.1#

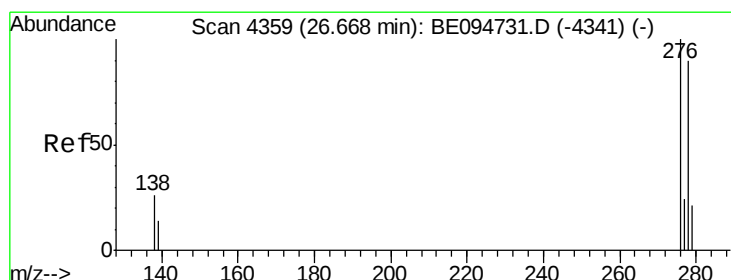
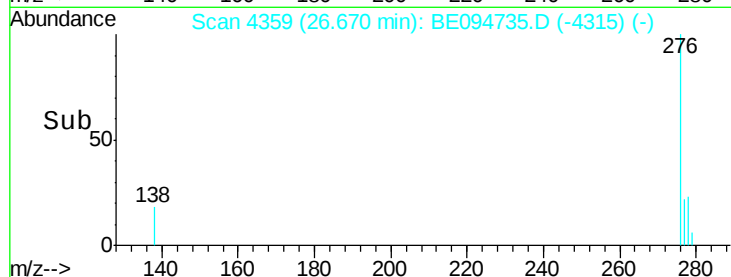
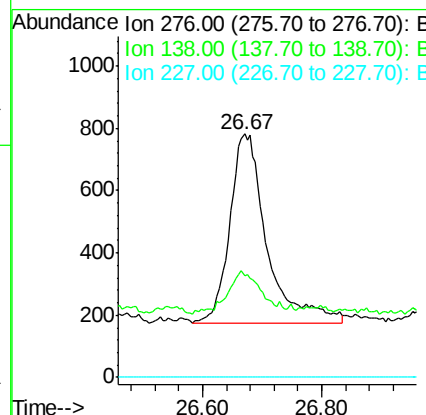
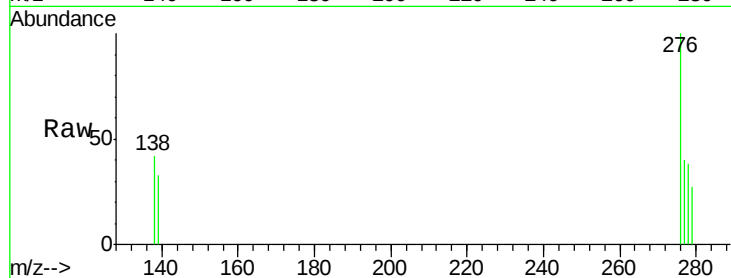




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.07 ng/ul
 RT: 26.67 min Scan# 4359
 Delta R.T. 0.00 min
 Lab File: BE094735.D
 Acq: 4 Nov 2017 7:33

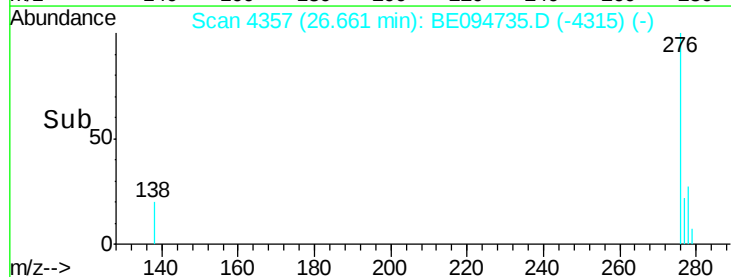
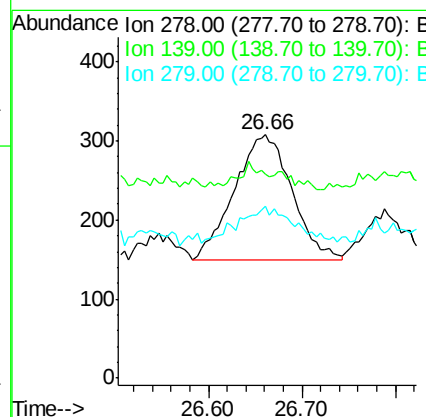
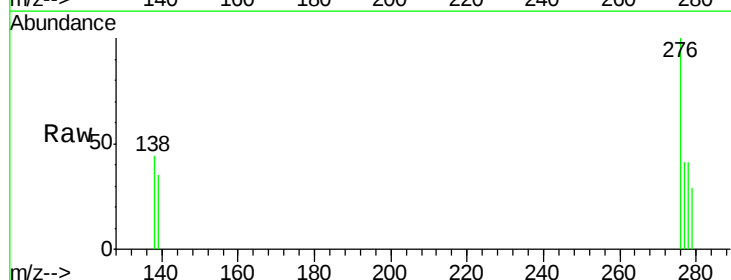
Instrument :
 BNA_E
 ClientSampleId :
 B-10(3-5)-101617

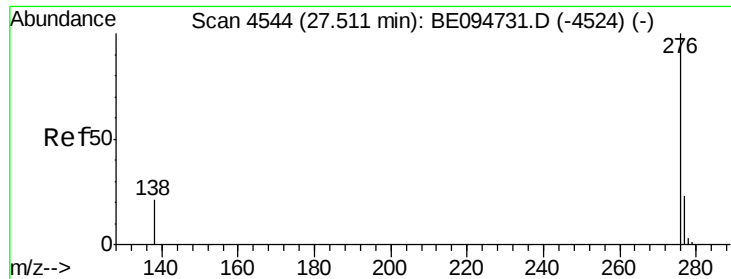
Tot Ion:276 Resp: 2630
 Ion Ratio Lower Upper
 276 100
 138 20.9 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.02 ng/ul
 RT: 26.66 min Scan# 4357
 Delta R.T. -0.01 min
 Lab File: BE094735.D
 Acq: 4 Nov 2017 7:33

Tgt Ion:278 Resp: 675
 Ion Ratio Lower Upper
 278 100
 139 83.8 17.4 26.0#
 279 70.8 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.08 ng/ul

RT: 27.52 min Scan# 4545

Delta R.T. 0.01 min

Lab File: BE094735.D

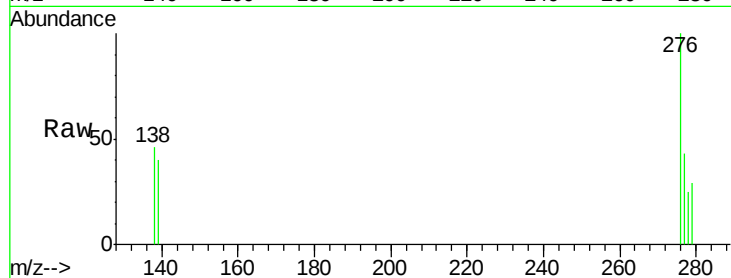
Acq: 4 Nov 2017 7:33

Instrument :

BNA_E

ClientSampleId :

B-10(3-5)-101617



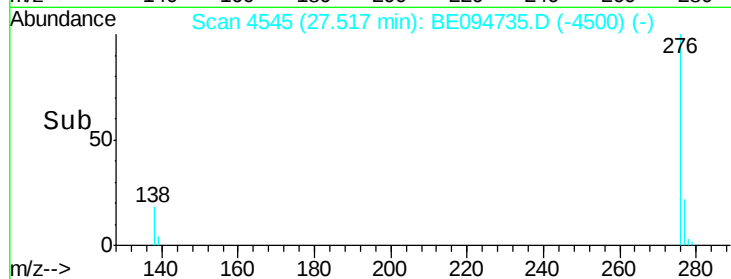
Tot Ion: 276 Resp: 2179

Ion Ratio Lower Upper

276 100

138 45.8 21.8 32.8#

277 42.7 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

