

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094261.D
 Acq On : 10 Oct 2017 21:17
 Operator : SJ/JU
 Sample : I5522-18DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 07:33:21 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 07:23:41 2017
 Response via : Initial Calibration

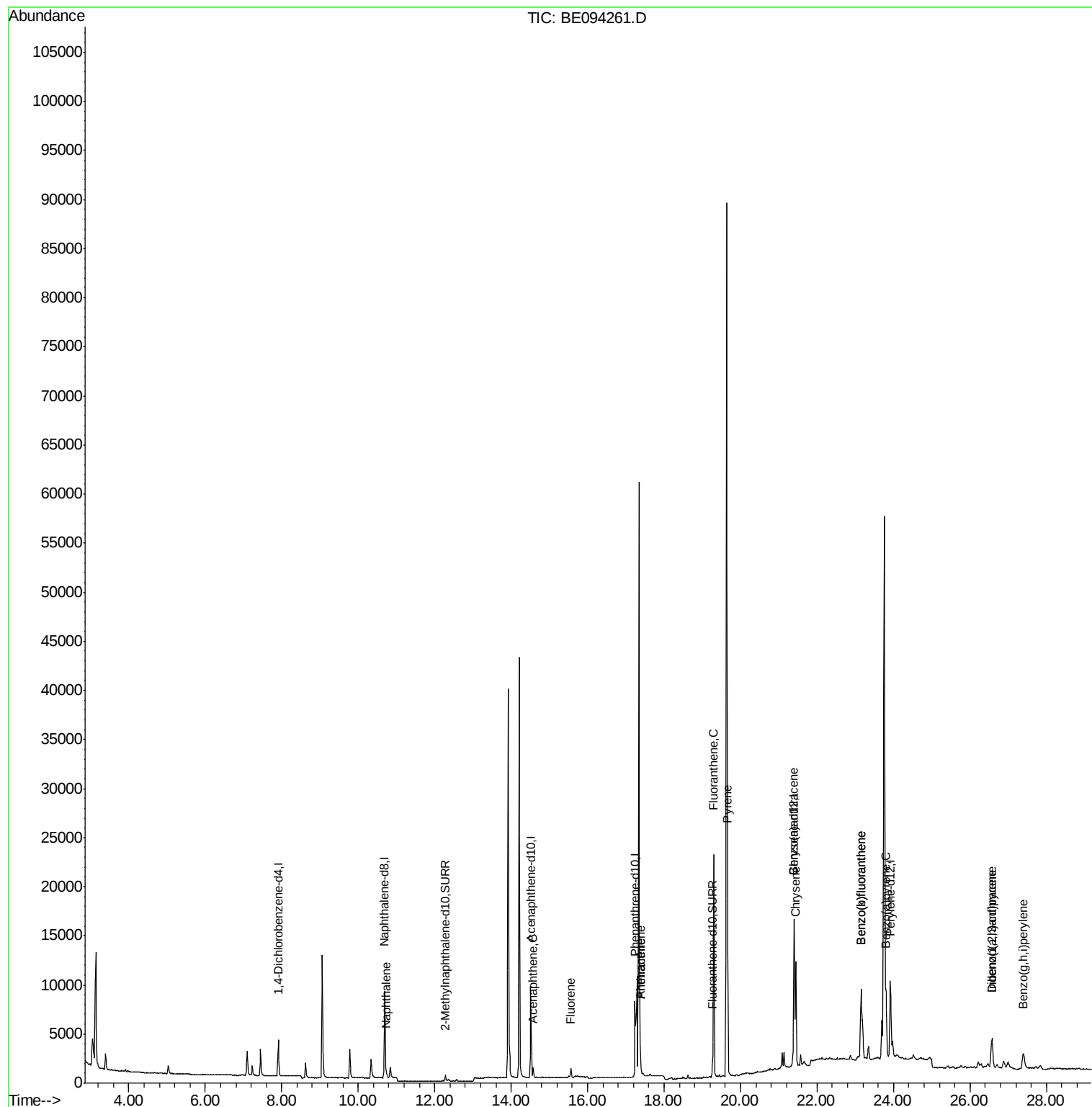
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1973	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	9920	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5407	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	11549	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	11875	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	11704	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	1002	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	2438	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	583	0.024	ng/ul#	75
8) Acenaphthene	14.57	153	640	0.037	ng/ul	97
9) Fluorene	15.56	166	628	0.031	ng/ul#	87
12) Phenanthrene	17.38	178	2757	0.091	ng/ul	95
13) Anthracene	17.38	178	3051	0.104	ng/ul	96
15) Fluoranthene	19.30	202	24555	0.619	ng/ul	84
17) Pyrene	19.66	202	21306	0.645	ng/ul#	85
18) Benzo(a)anthracene	21.39	228	11872	0.377	ng/ul#	87
19) Chrysene	21.45	228	11238	0.309	ng/ul	93
21) Benzo(b)fluoranthene	23.15	252	18512	0.582	ng/ul	91
22) Benzo(k)fluoranthene	23.15	252	18526	0.504	ng/ul#	92
23) Benzo(a)pyrene	23.81	252	9573	0.290	ng/ul	91
24) Indeno(1,2,3-cd)pyrene	26.57	276	5849	0.173	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.58	278	1535	0.054	ng/ul#	37
26) Benzo(g,h,i)perylene	27.40	276	4425	0.152	ng/ul#	73

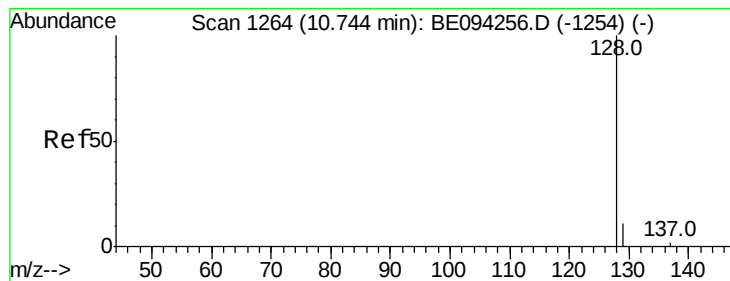
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 11 07:23:41 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.024 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE094261.D

Acq: 10 Oct 2017 21:17

Instrument :

BNA_E

ClientSampleId :

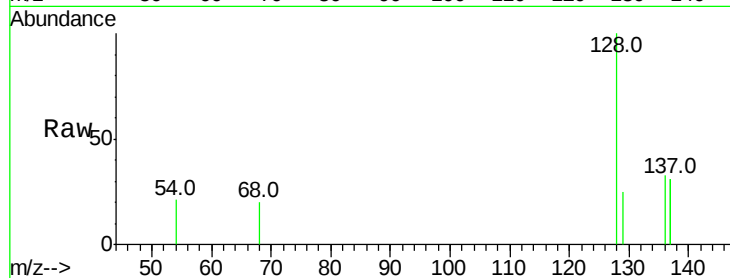
Tot Ion:128 Resp: 583

Ion Ratio Lower Upper

128 100

129 25.5 11.3 16.9#

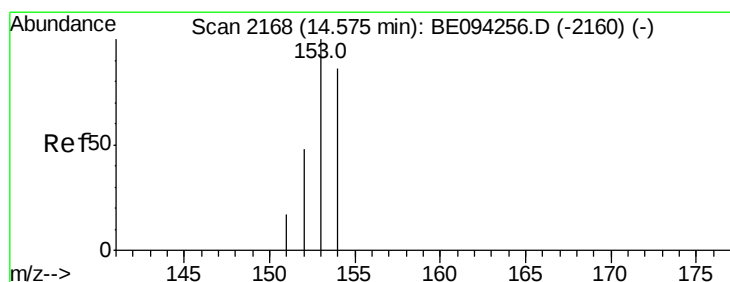
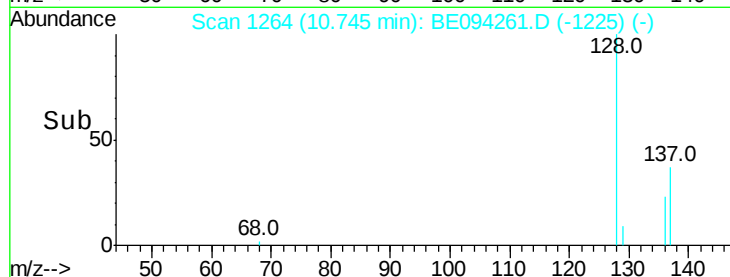
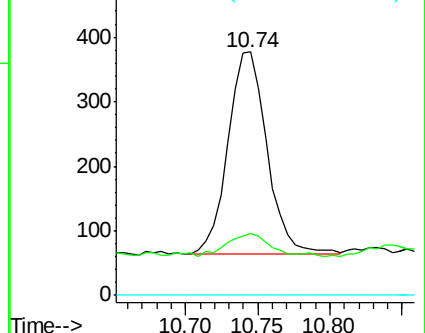
127 0.0 4.0 6.0#



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



#8

Acenaphthene

Concen: 0.037 ng/ul

RT: 14.57 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BE094261.D

Acq: 10 Oct 2017 21:17

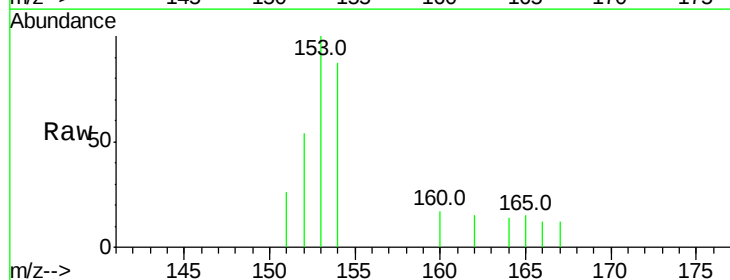
Tgt Ion:153 Resp: 640

Ion Ratio Lower Upper

153 100

152 54.4 40.3 60.5

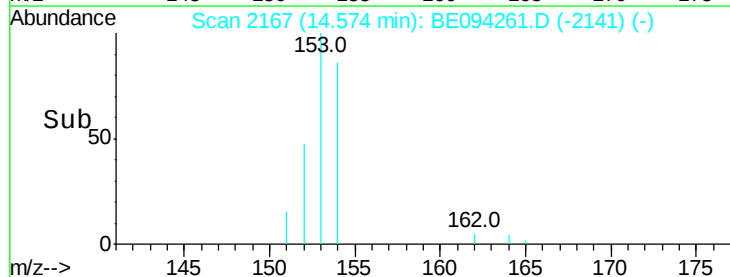
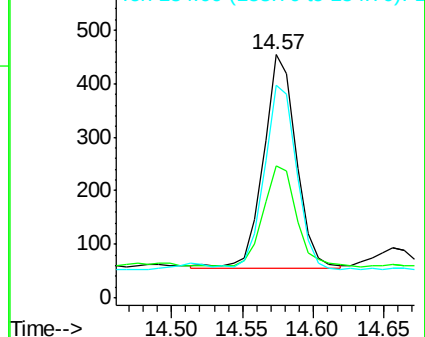
154 87.4 71.4 107.2

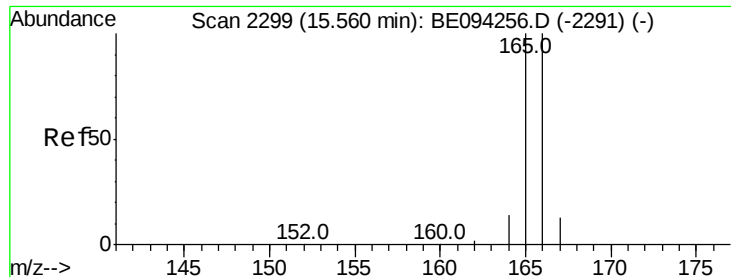


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.031 ng/ul

RT: 15.56 min Scan# 2298

Delta R.T. -0.00 min

Lab File: BE094261.D

Acq: 10 Oct 2017 21:17

Instrument :

BNA_E

ClientSampleId :

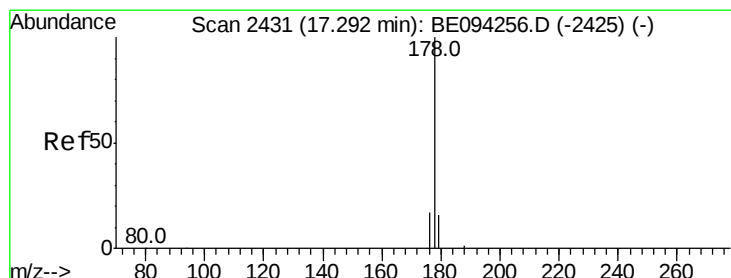
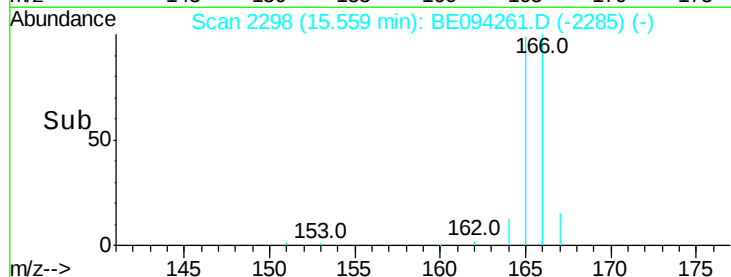
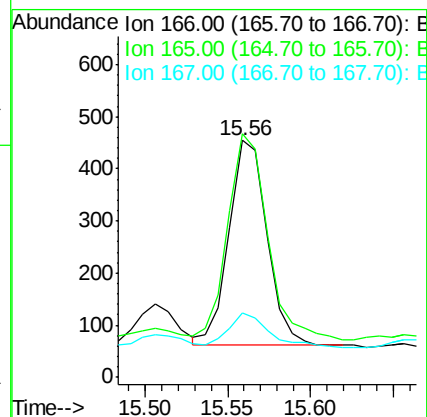
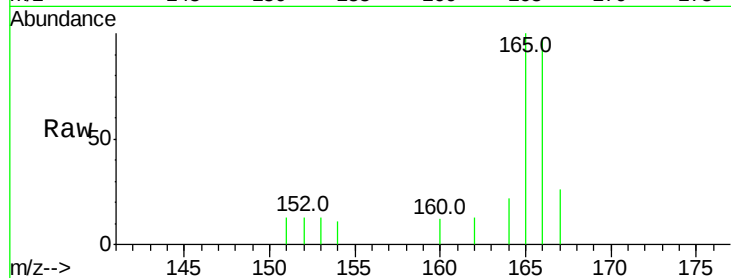
Tot Ion:166 Resp: 628

Ion Ratio Lower Upper

166 100

165 102.9 73.4 110.2

167 27.1 14.6 22.0#



#12

Phenanthrene

Concen: 0.091 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. 0.09 min

Lab File: BE094261.D

Acq: 10 Oct 2017 21:17

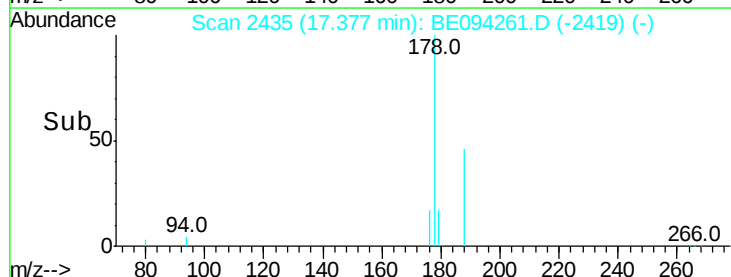
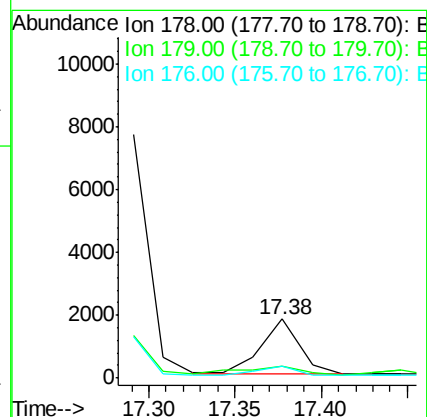
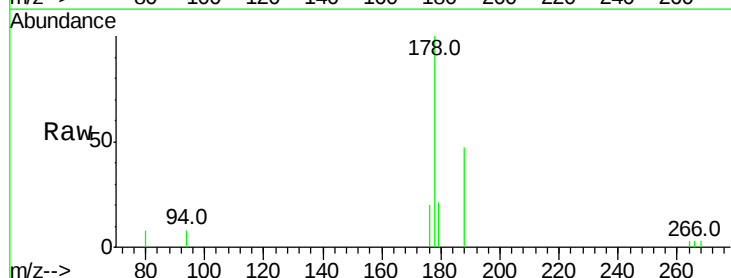
Tgt Ion:178 Resp: 2757

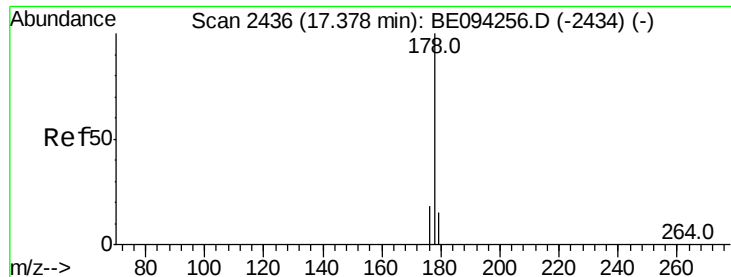
Ion Ratio Lower Upper

178 100

179 20.8 18.4 27.6

176 19.9 13.6 20.4





#13

Anthracene

Concen: 0.104 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BE094261.D

Acq: 10 Oct 2017 21:17

Instrument :

BNA_E

ClientSampleId :

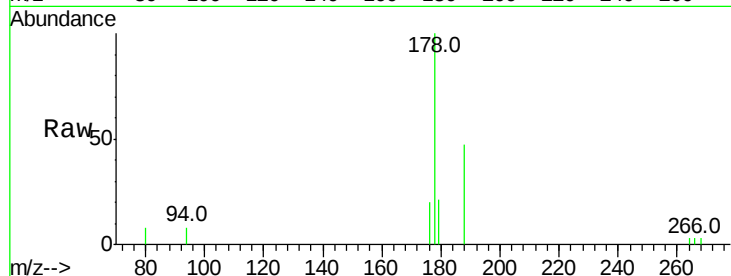
Tot Ion:178 Resp: 3051

Ion Ratio Lower Upper

178 100

179 20.8 18.1 27.1

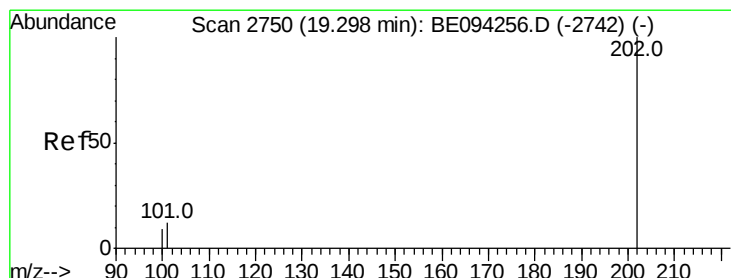
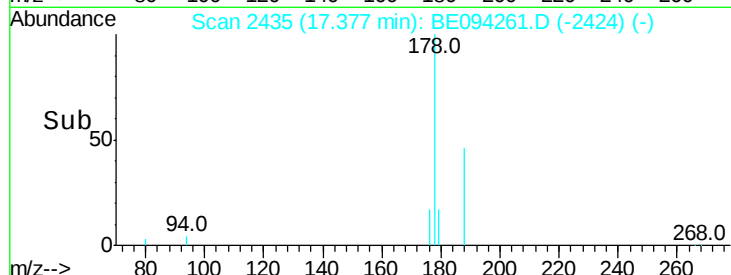
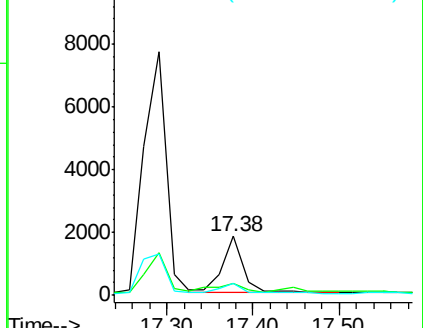
176 19.9 14.7 22.1



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: 0.619 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. 0.00 min

Lab File: BE094261.D

Acq: 10 Oct 2017 21:17

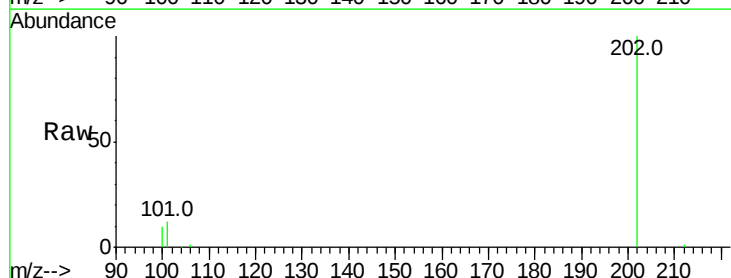
Tgt Ion:202 Resp: 24555

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.3

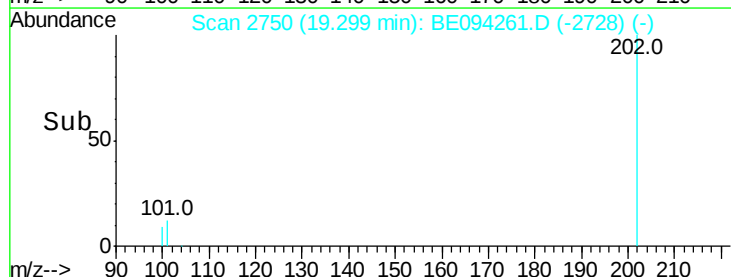
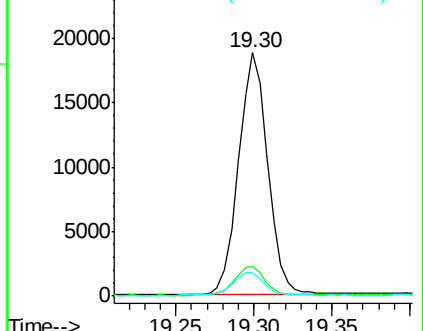
100 9.6 0.0 39.5

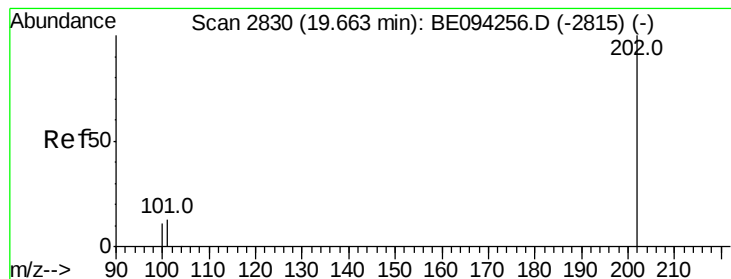


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 0.645 ng/ul

RT: 19.66 min Scan# 2829

Delta R.T. -0.00 min

Lab File: BE094261.D

Acq: 10 Oct 2017 21:17

Instrument :

BNA_E

ClientSampleId :

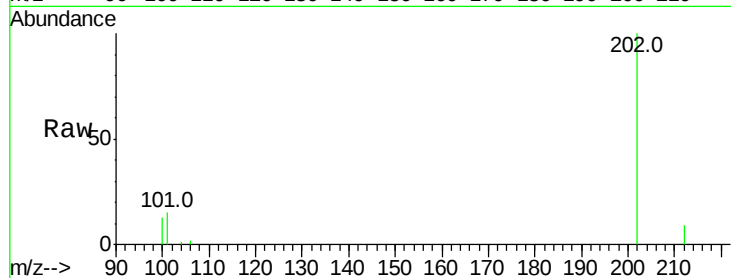
Tot Ion:202 Resp: 21306

Ion Ratio Lower Upper

202 100

101 15.0 18.2 27.4#

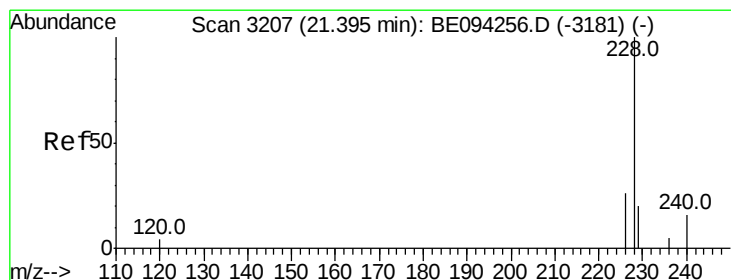
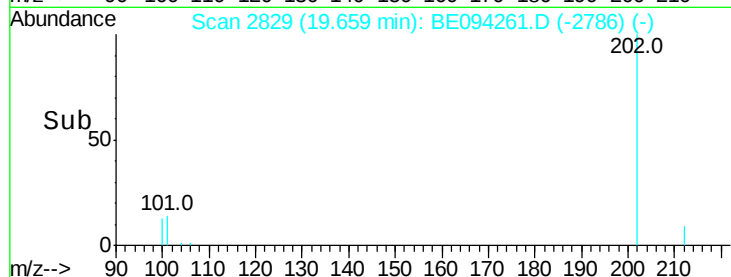
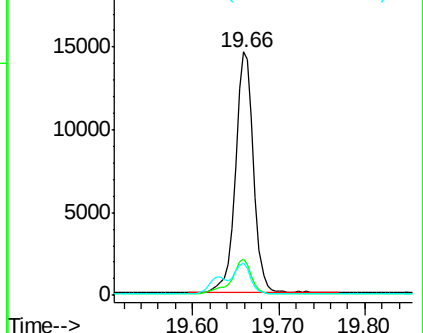
100 13.3 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 0.377 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BE094261.D

Acq: 10 Oct 2017 21:17

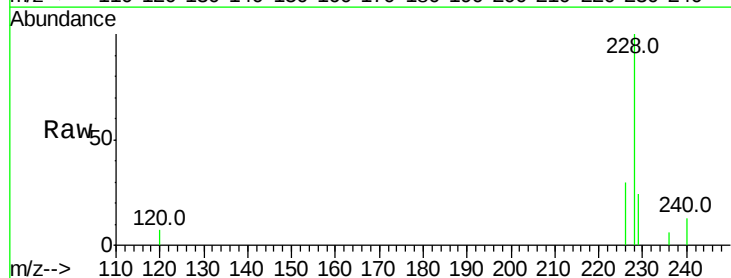
Tgt Ion:228 Resp: 11872

Ion Ratio Lower Upper

228 100

229 23.6 22.8 34.2

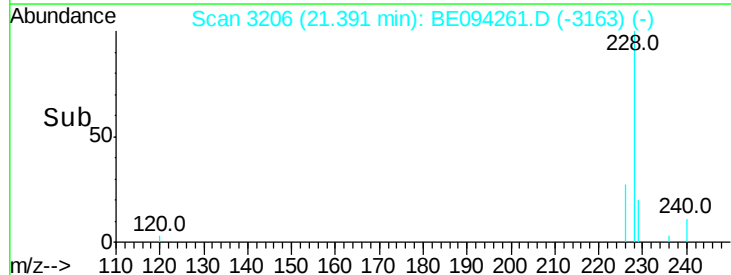
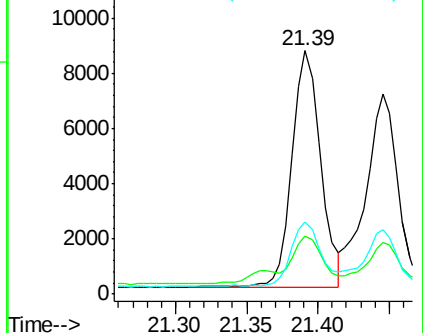
226 29.5 17.0 25.6#

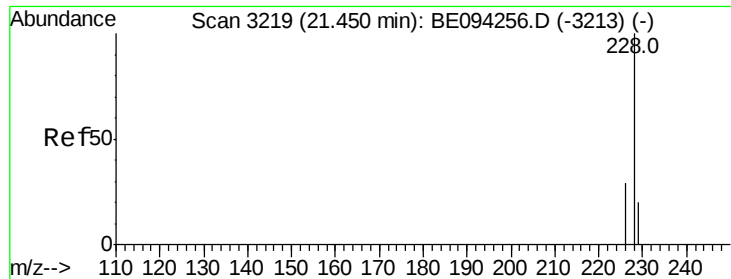


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.309 ng/ul

RT: 21.45 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE094261.D

Acq: 10 Oct 2017 21:17

Instrument :

BNA_E

ClientSampleId :

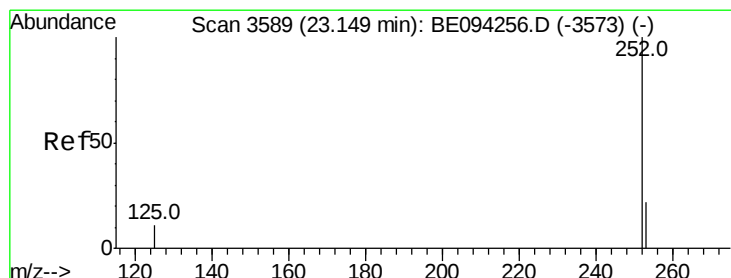
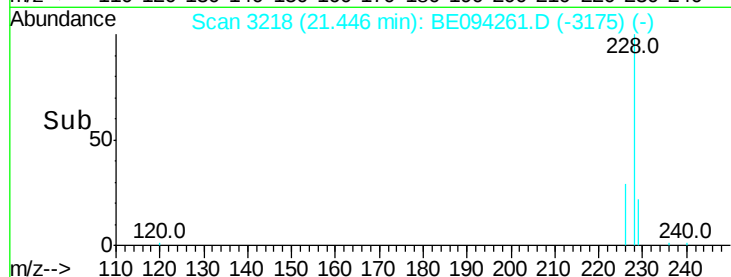
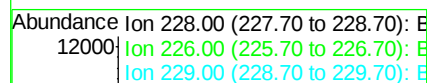
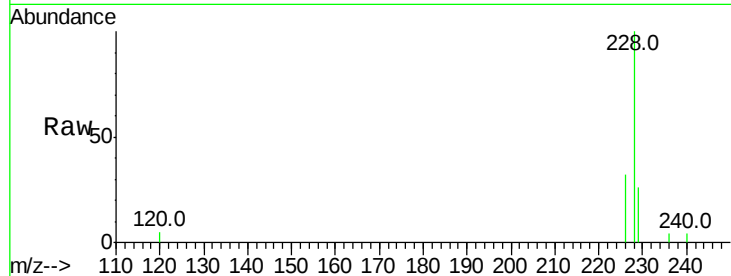
Tot Ion:228 Resp: 11238

Ion Ratio Lower Upper

228 100

226 32.2 23.4 35.0

229 26.0 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.582 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. 0.00 min

Lab File: BE094261.D

Acq: 10 Oct 2017 21:17

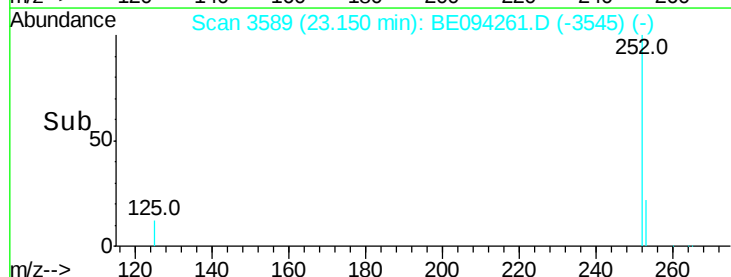
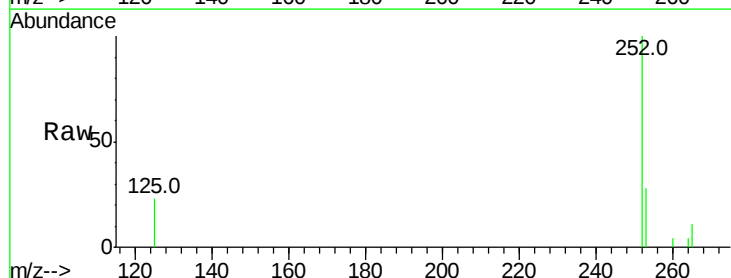
Tgt Ion:252 Resp: 18512

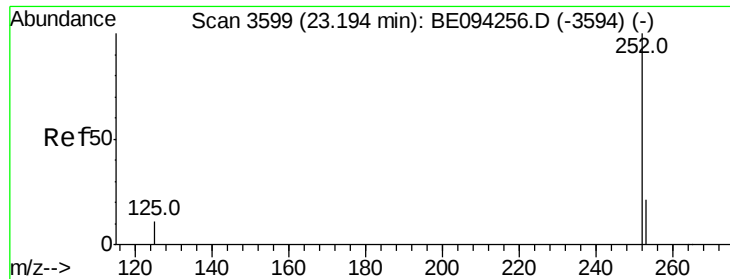
Ion Ratio Lower Upper

252 100

253 28.0 0.0 64.2

125 23.4 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.504 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.04 min

Lab File: BE094261.D

Acq: 10 Oct 2017 21:17

Instrument :

BNA_E

ClientSampleId :

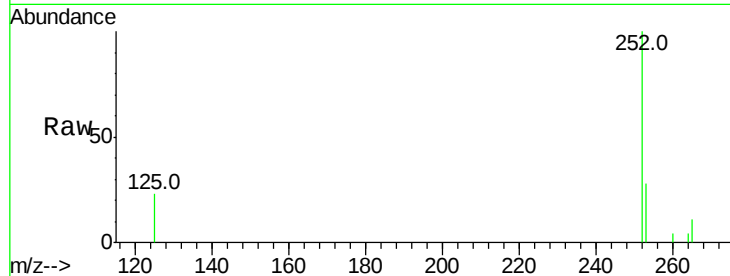
Tot Ion:252 Resp: 18526

Ion Ratio Lower Upper

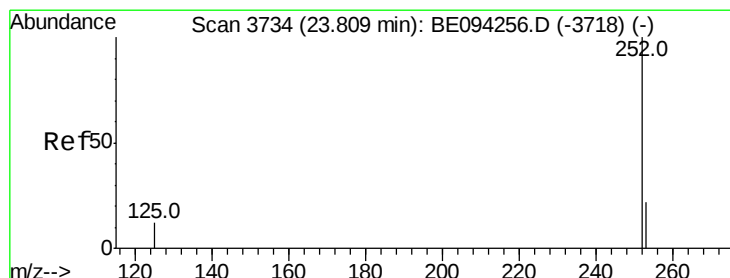
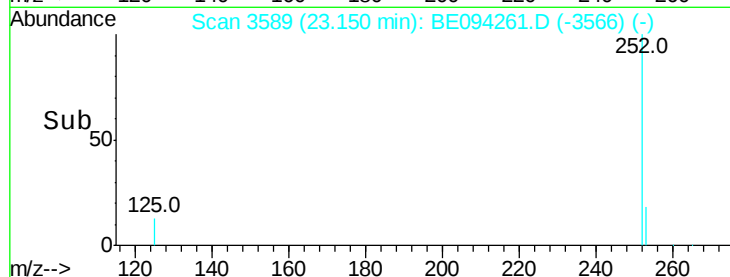
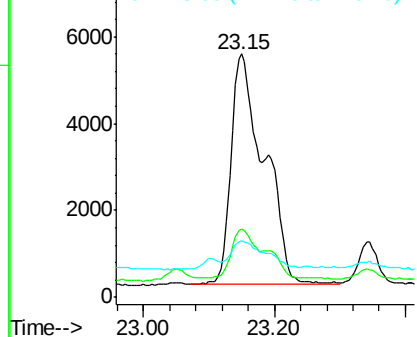
252 100

253 28.0 24.5 36.7

125 23.4 13.7 20.5#



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: 0.290 ng/ul

RT: 23.81 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BE094261.D

Acq: 10 Oct 2017 21:17

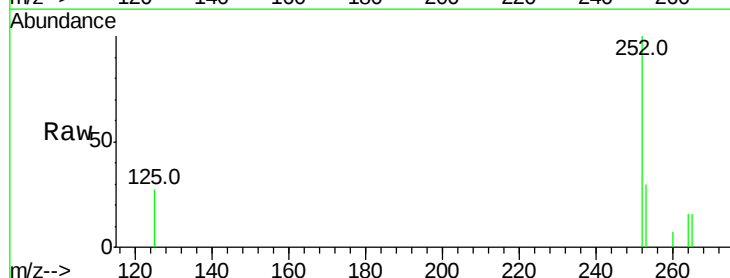
Tgt Ion:252 Resp: 9573

Ion Ratio Lower Upper

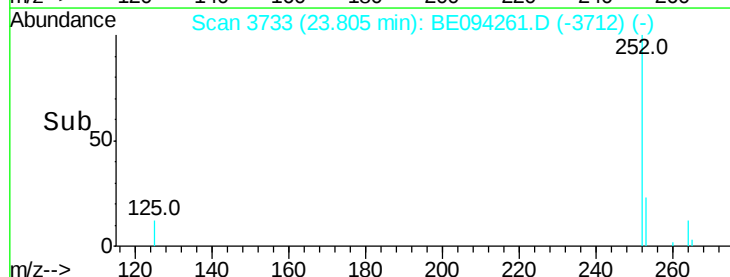
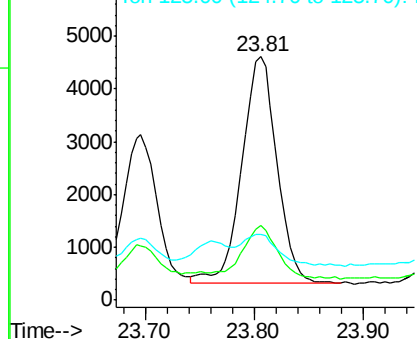
252 100

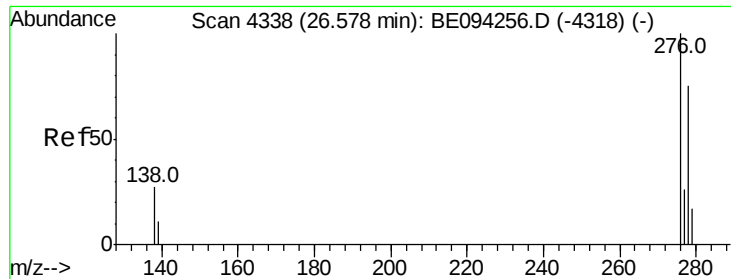
253 30.4 28.5 42.7

125 27.1 18.1 27.1



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

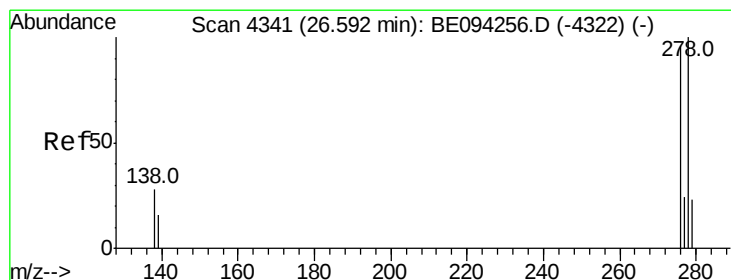
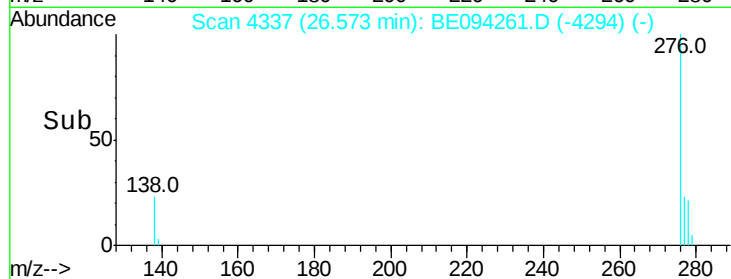
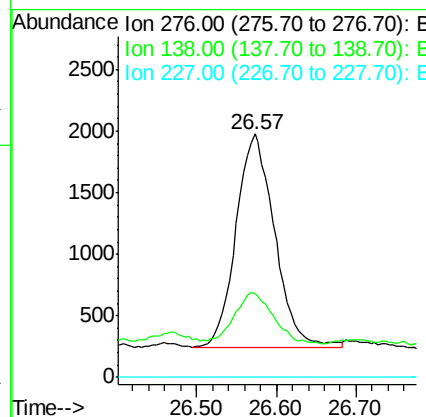
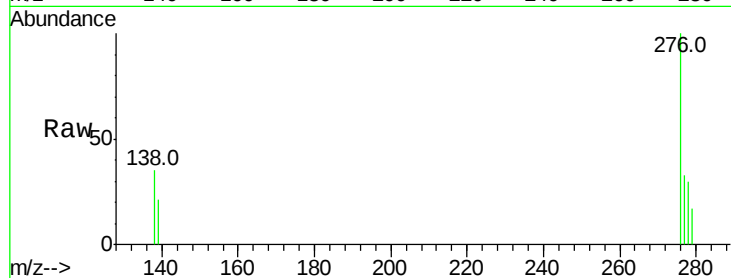




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.173 ng/ul
 RT: 26.57 min Scan# 4337
 Delta R.T. -0.01 min
 Lab File: BE094261.D
 Acq: 10 Oct 2017 21:17

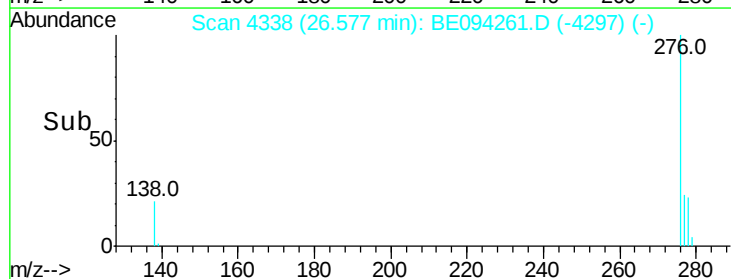
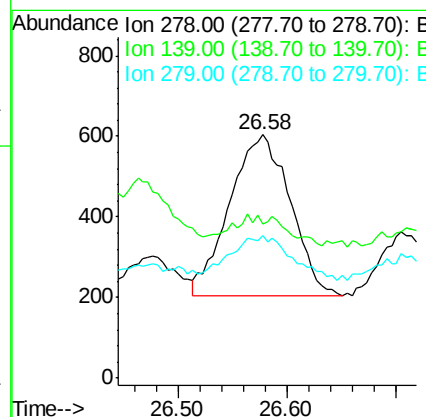
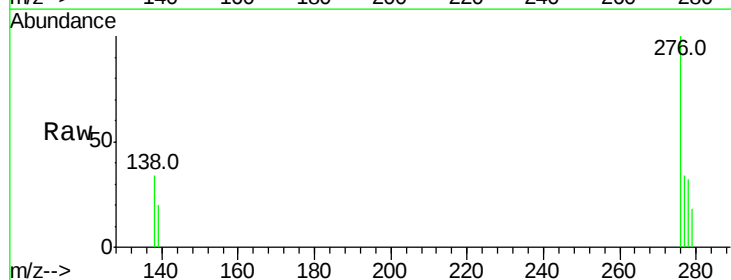
Instrument :
 BNA_E
 ClientSampleId :

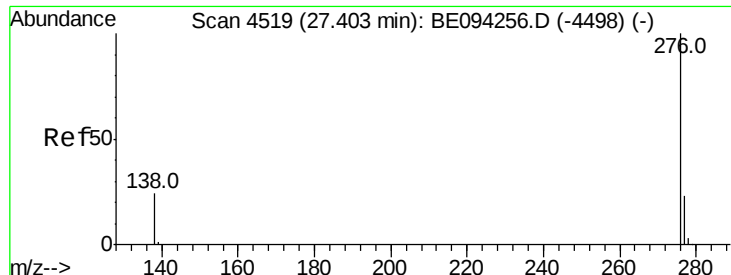
Tot Ion:276 Resp: 5849
 Ion Ratio Lower Upper
 276 100
 138 24.1 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.054 ng/ul
 RT: 26.58 min Scan# 4338
 Delta R.T. -0.01 min
 Lab File: BE094261.D
 Acq: 10 Oct 2017 21:17

Tgt Ion:278 Resp: 1535
 Ion Ratio Lower Upper
 278 100
 139 63.4 17.4 26.0#
 279 58.4 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.152 ng/ul

RT: 27.40 min Scan# 4518

Delta R.T. -0.01 min

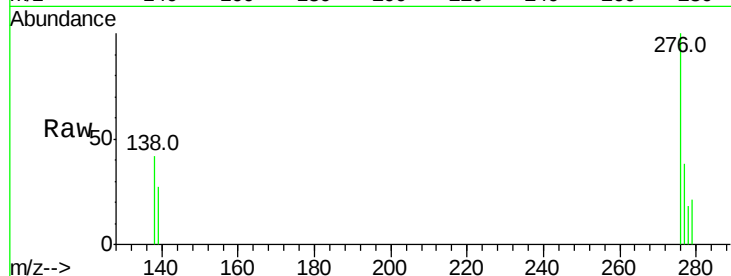
Lab File: BE094261.D

Acq: 10 Oct 2017 21:17

Instrument :

BNA_E

ClientSampleId :



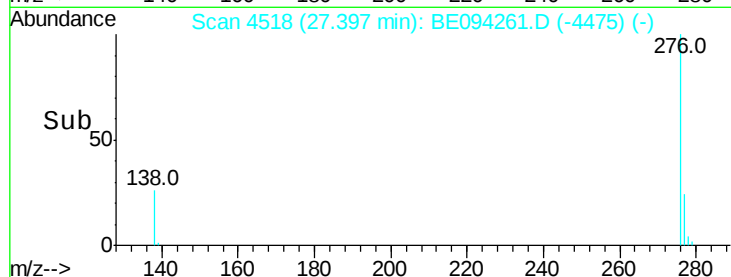
Tot Ion:276 Resp: 4425

Ion Ratio Lower Upper

276 100

138 42.1 21.8 32.8#

277 38.3 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

