

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100717\
 Data File : BE094203.D
 Acq On : 7 Oct 2017 15:24
 Operator : SJ/JU
 Sample : I5735-04DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 07 23:52:26 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 01:38:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1399	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	7491	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4246	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	9224	0.40	ng/ul	-0.03
16) Chrysene-d12	21.40	240	8330	0.40	ng/ul	-0.01
20) Perylene-d12	23.91	264	8144	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	529	0.05	ng/ul	-0.01
14) Fluoranthene-d10	19.26	212	1207	0.04	ng/ul	-0.02

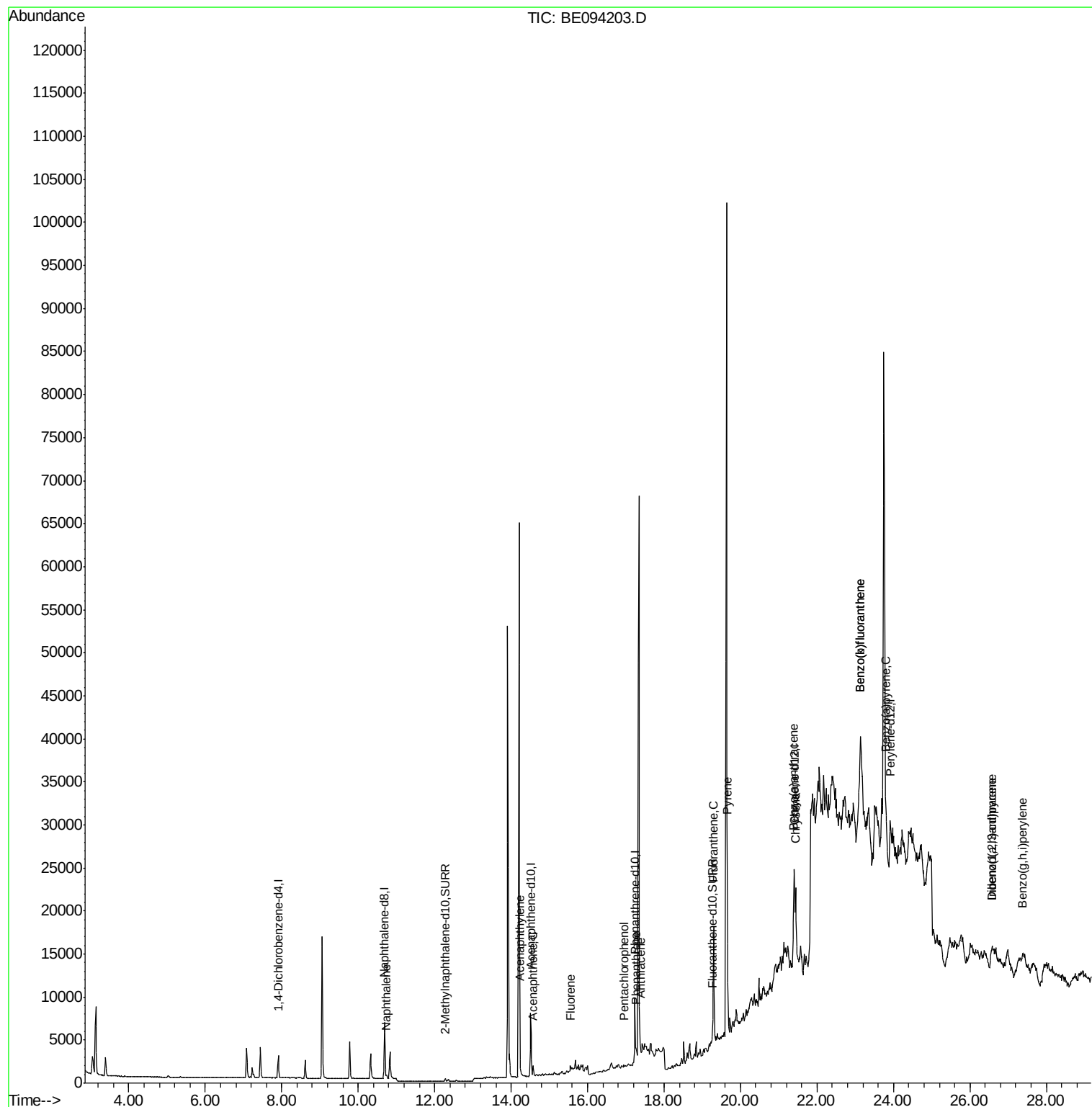
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	627	0.034	ng/ul#	79
7) Acenaphthylene	14.24	152	421	0.025	ng/ul#	42
8) Acenaphthene	14.57	153	735	0.054	ng/ul	97
9) Fluorene	15.56	166	644	0.040	ng/ul#	73
11) Pentachlorophenol	16.95	266	52	0.048	ng/ul#	34
12) Phenanthrene	17.27	178	2547	0.106	ng/ul#	56
13) Anthracene	17.38	178	2741	0.117	ng/ul#	59
15) Fluoranthene	19.30	202	15831	0.500	ng/ul	87
17) Pyrene	19.66	202	21461	0.926	ng/ul#	86
18) Benzo(a)anthracene	21.39	228	6809	0.308	ng/ul#	51
19) Chrysene	21.44	228	9431	0.370	ng/ul#	54
21) Benzo(b)fluoranthene	23.15	252	17540	0.793	ng/ul#	1
22) Benzo(k)fluoranthene	23.15	252	17529	0.685	ng/ul#	1
23) Benzo(a)pyrene	23.80	252	5293	0.230	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.57	276	3493	0.149	ng/ul#	47
25) Dibenzo(a,h)anthracene	26.58	278	1080	0.055	ng/ul#	1
26) Benzo(a,h,i)perylene	27.39	276	2976	0.147	ng/ul#	1

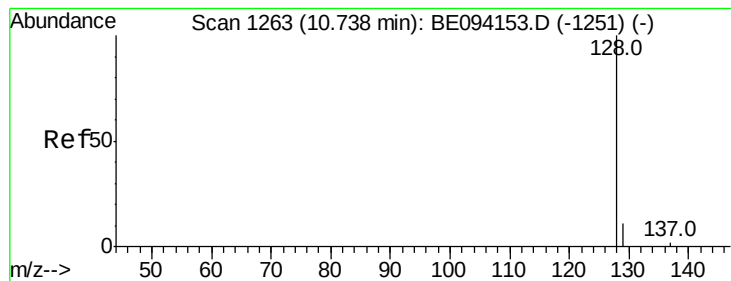
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.034 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

Instrument :

BNA_E

ClientSampled :

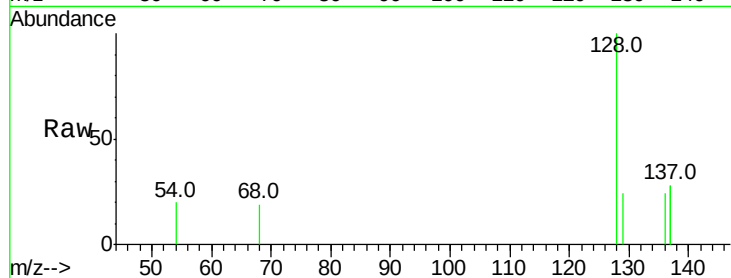
Tot Ion:128 Resp: 627

Ion Ratio Lower Upper

128 100

129 23.6 11.3 16.9#

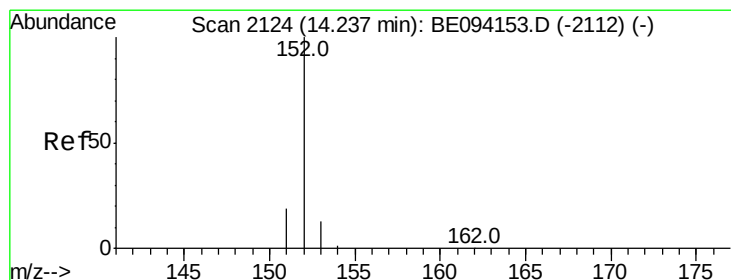
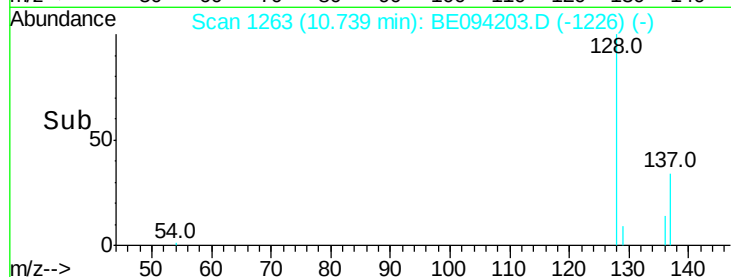
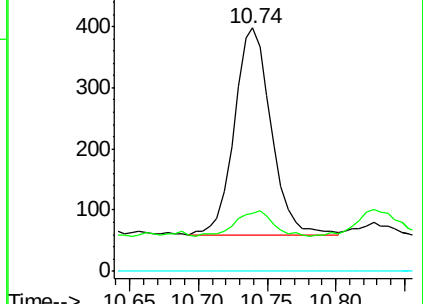
127 0.0 4.0 6.0#



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



#7

Acenaphthylene

Concen: 0.025 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

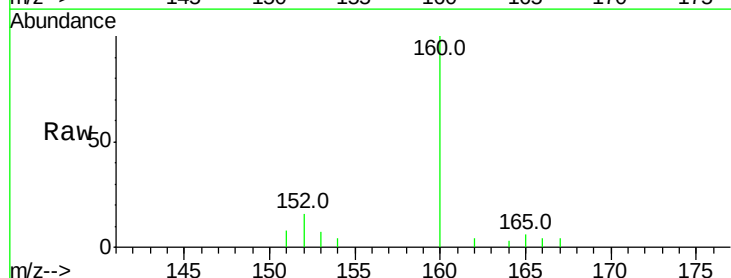
Tgt Ion:152 Resp: 421

Ion Ratio Lower Upper

152 100

151 48.1 17.1 25.7#

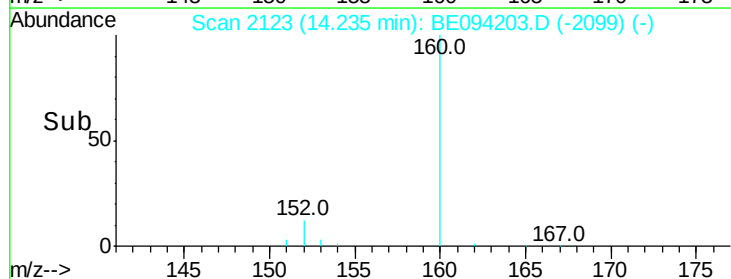
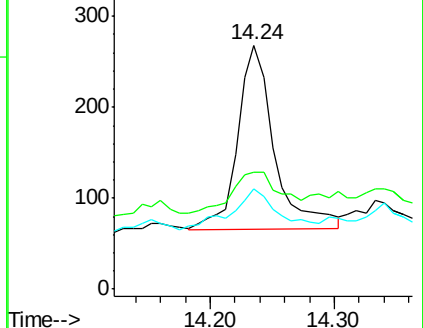
153 41.4 12.8 19.2#

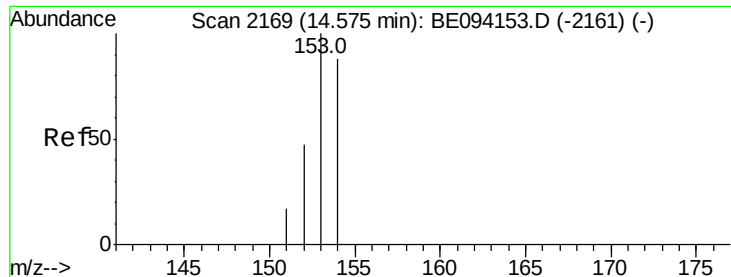


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.054 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

Instrument :

BNA_E

ClientSampleId :

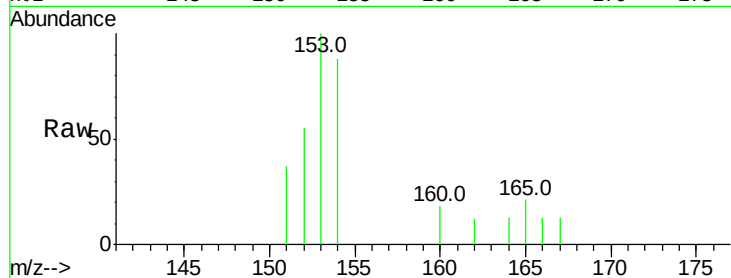
Tot Ion:153 Resp: 735

Ion Ratio Lower Upper

153 100

152 55.1 40.3 60.5

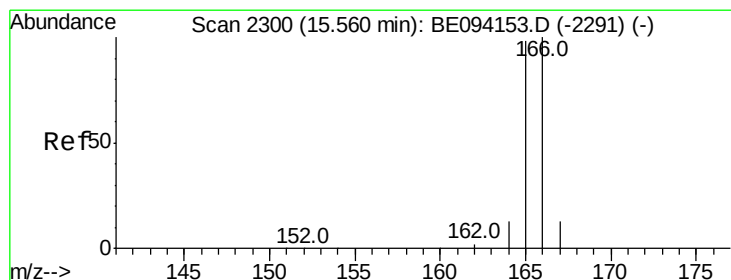
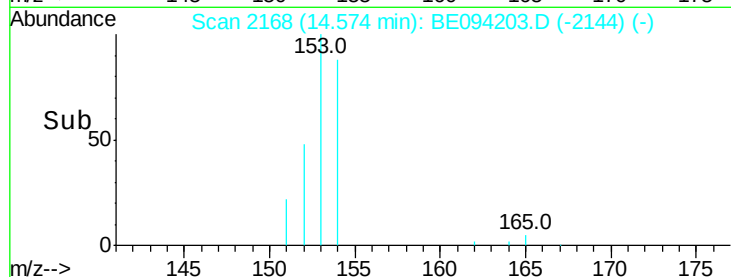
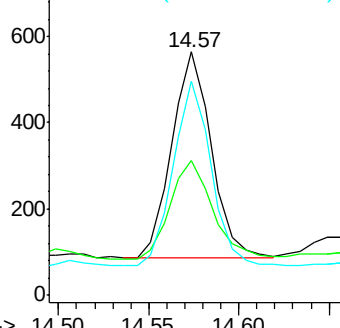
154 88.1 71.4 107.2



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: 0.040 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

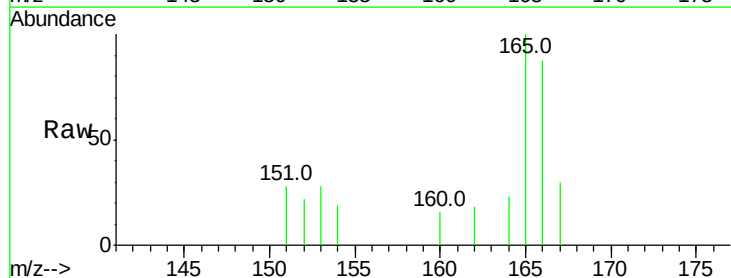
Tgt Ion:166 Resp: 644

Ion Ratio Lower Upper

166 100

165 115.4 73.4 110.2#

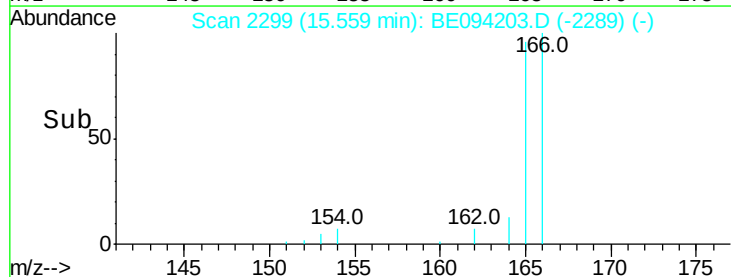
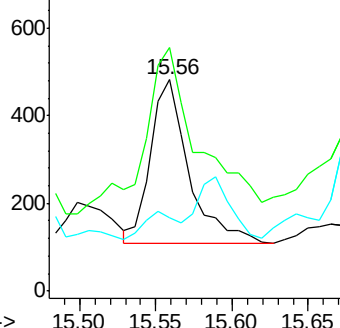
167 34.4 14.6 22.0#

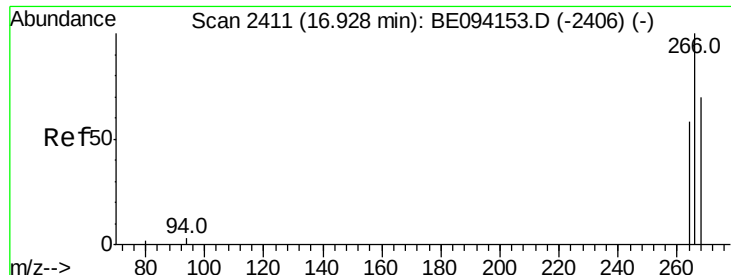


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

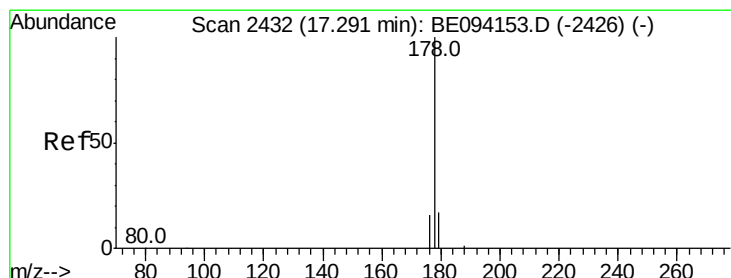
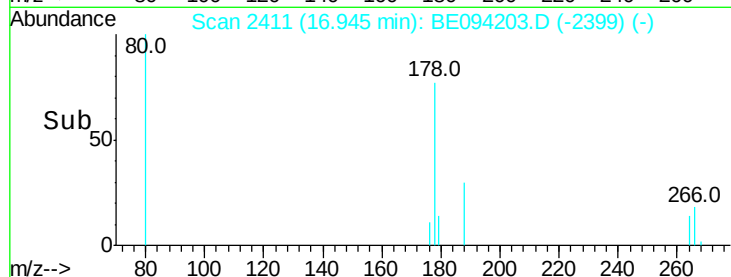
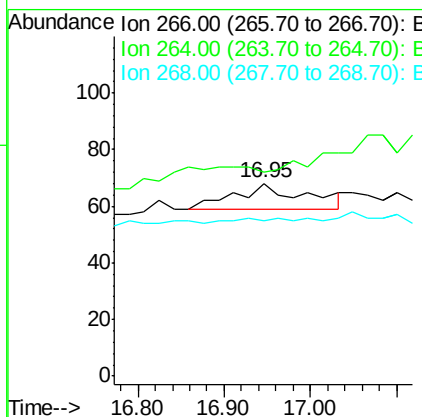
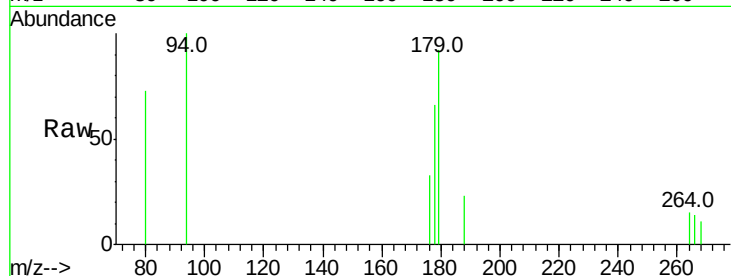




#11
 Pentachlorophenol
 Concen: 0.048 ng/ul
 RT: 16.95 min Scan# 2411
 Delta R.T. 0.00 min
 Lab File: BE094203.D
 Acq: 7 Oct 2017 15:24

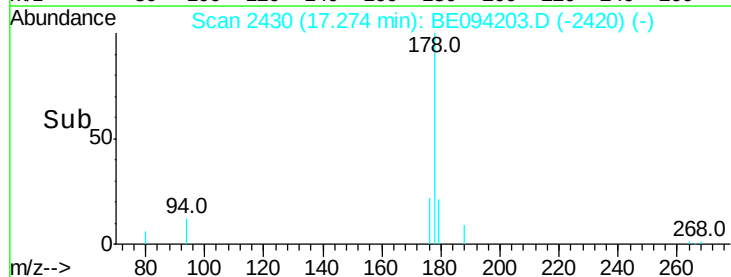
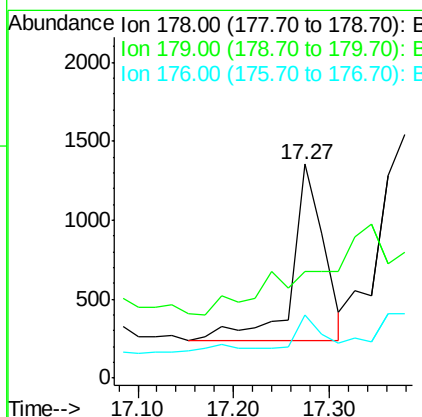
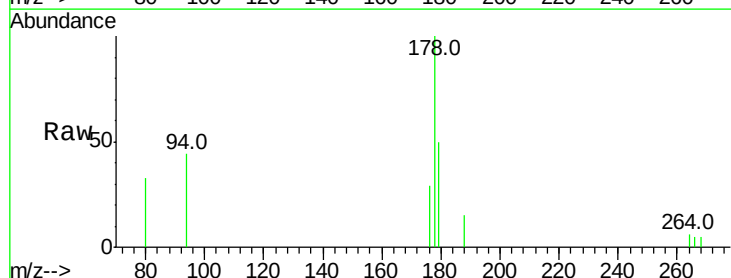
Instrument :
 BNA_E
 ClientSampleId :

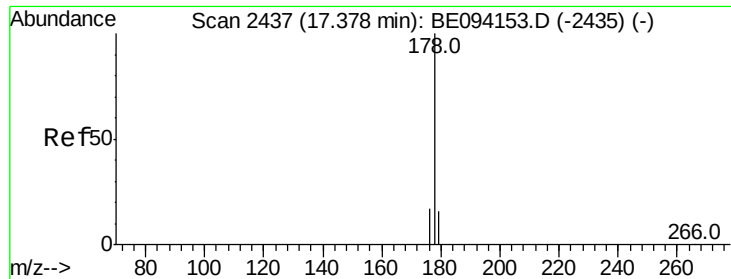
Tot Ion:266 Resp: 52
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 21.2 49.8 74.8#



#12
 Phenanthrene
 Concen: 0.106 ng/ul
 RT: 17.27 min Scan# 2430
 Delta R.T. -0.03 min
 Lab File: BE094203.D
 Acq: 7 Oct 2017 15:24

Tgt Ion:178 Resp: 2547
 Ion Ratio Lower Upper
 178 100
 179 50.0 18.4 27.6#
 176 29.4 13.6 20.4#





#13

Anthracene

Concen: 0.117 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

Instrument :

BNA_E

ClientSampleId :

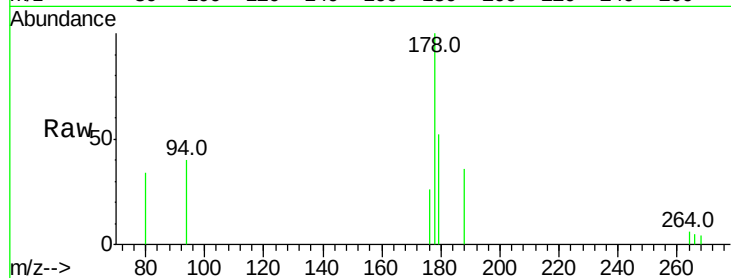
Tot Ion:178 Resp: 2741

Ion Ratio Lower Upper

178 100

179 51.8 18.1 27.1#

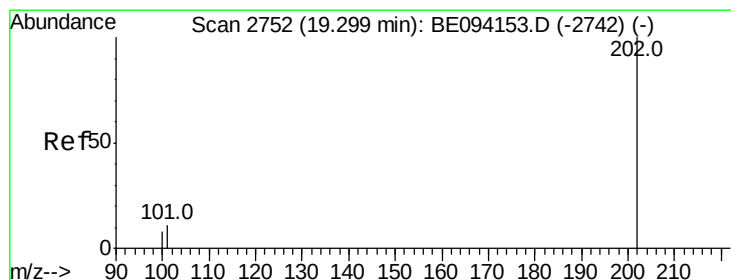
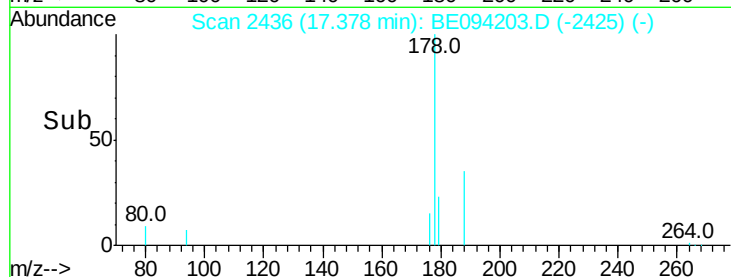
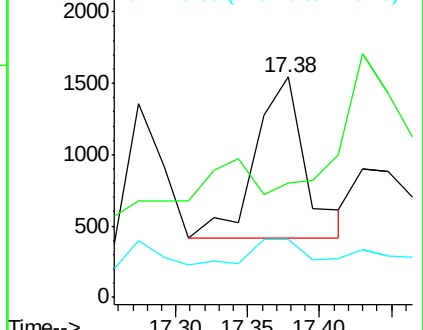
176 26.3 14.7 22.1#



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: 0.500 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. -0.02 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

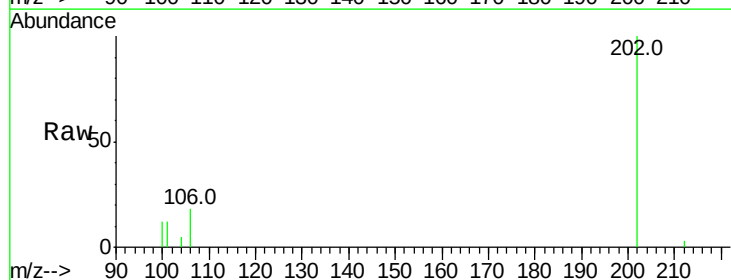
Tgt Ion:202 Resp: 15831

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.3

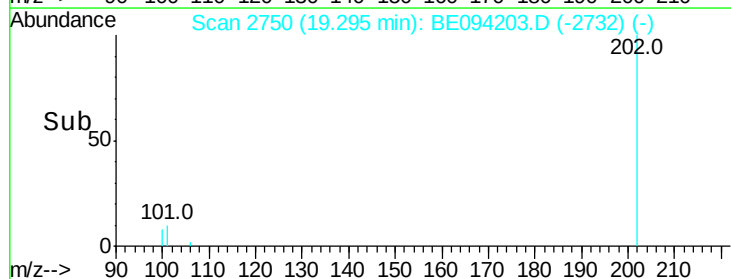
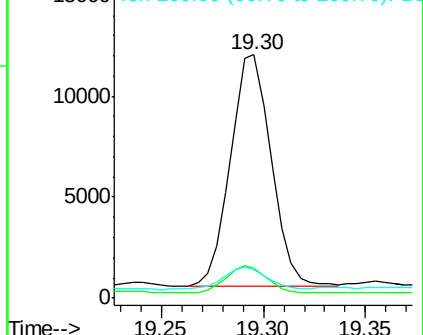
100 11.7 0.0 39.5

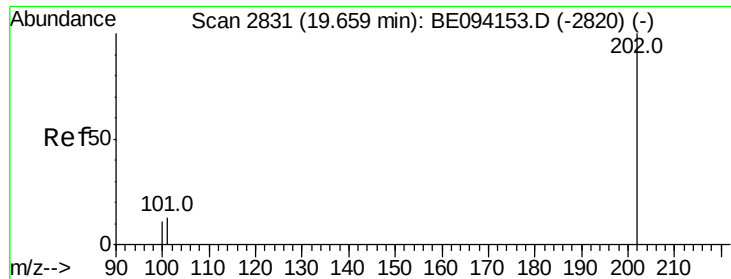


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 0.926 ng/ul

RT: 19.66 min Scan# 2829

Delta R.T. -0.02 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

Instrument :

BNA_E

ClientSampleId :

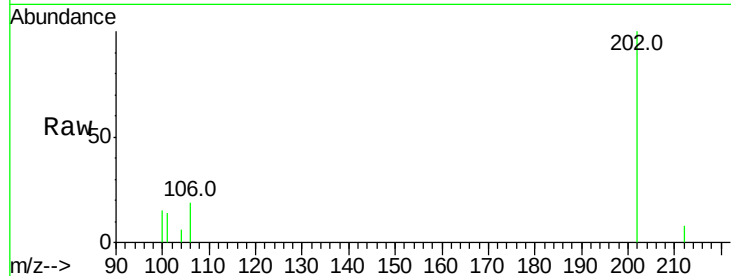
Tot Ion:202 Resp: 21461

Ion Ratio Lower Upper

202 100

101 14.3 18.2 27.4#

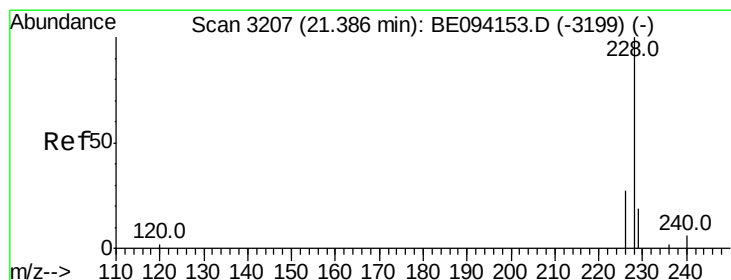
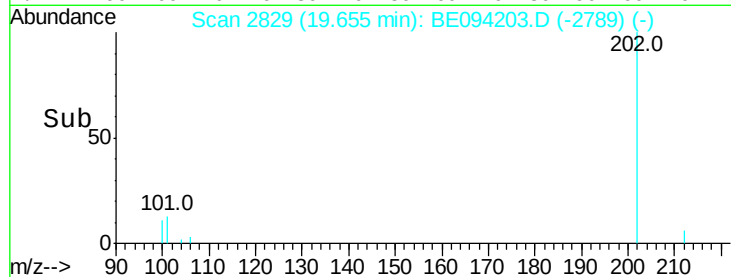
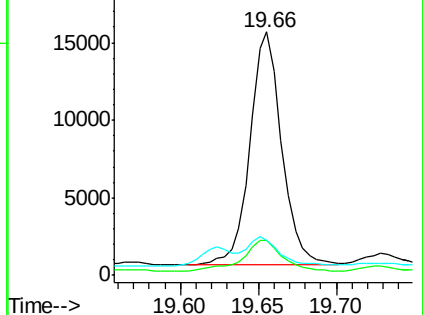
100 14.6 15.6 23.4#



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: 0.308 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.01 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

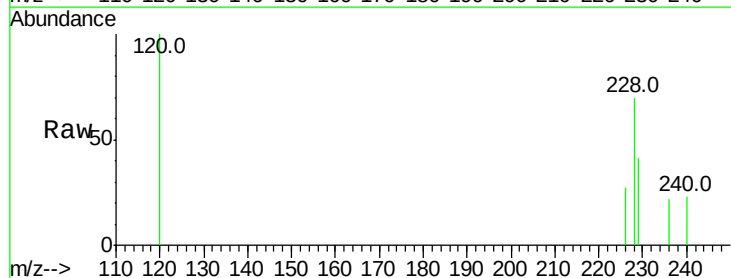
Tgt Ion:228 Resp: 6809

Ion Ratio Lower Upper

228 100

229 58.8 22.8 34.2#

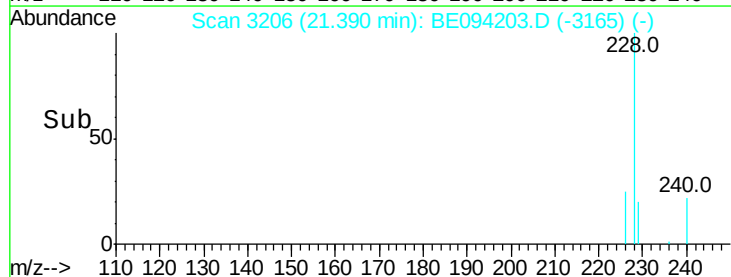
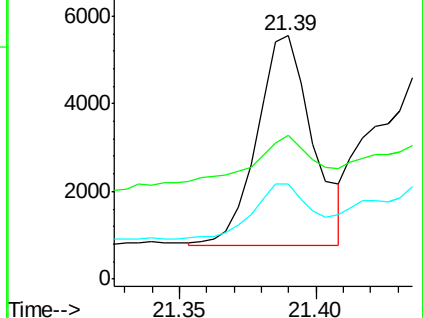
226 39.0 17.0 25.6#

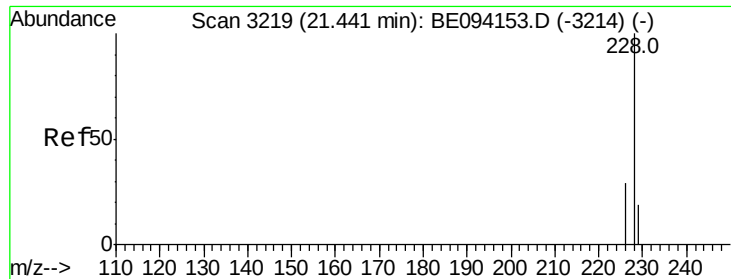


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.370 ng/ul

RT: 21.44 min Scan# 3217

Delta R.T. -0.01 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

Instrument :

BNA_E

ClientSampleId :

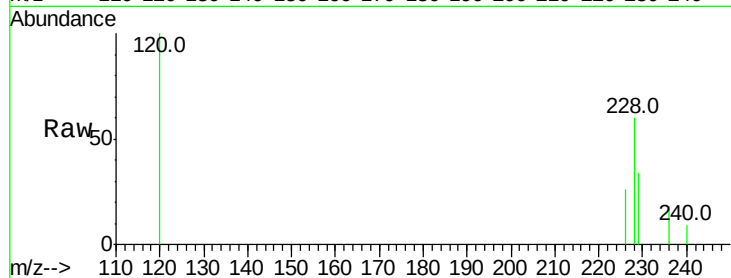
Tot Ion:228 Resp: 9431

Ion Ratio Lower Upper

228 100

226 42.7 23.4 35.0#

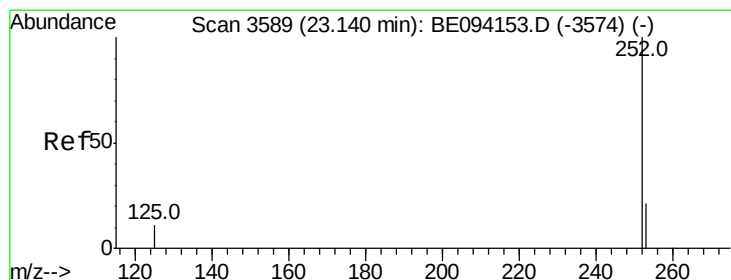
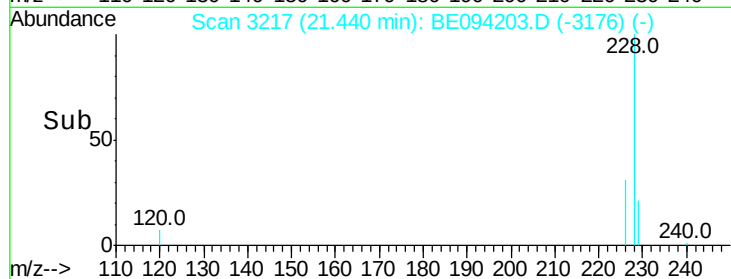
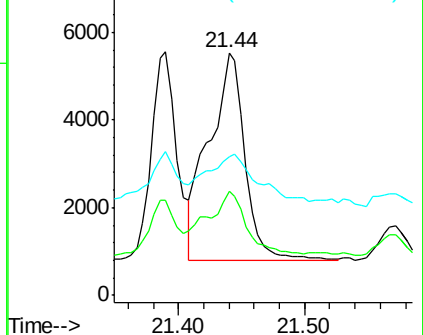
229 57.0 17.7 26.5#



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: 0.793 ng/ul

RT: 23.15 min Scan# 3588

Delta R.T. -0.01 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

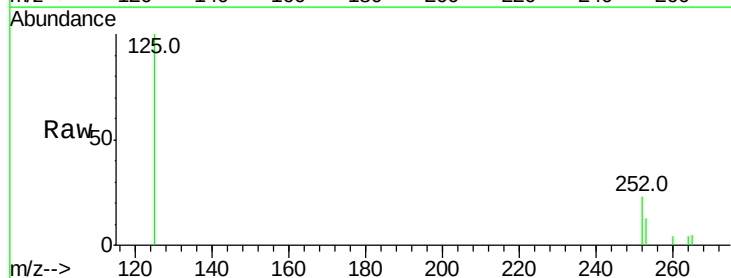
Tgt Ion:252 Resp: 17540

Ion Ratio Lower Upper

252 100

253 59.0 0.0 64.2

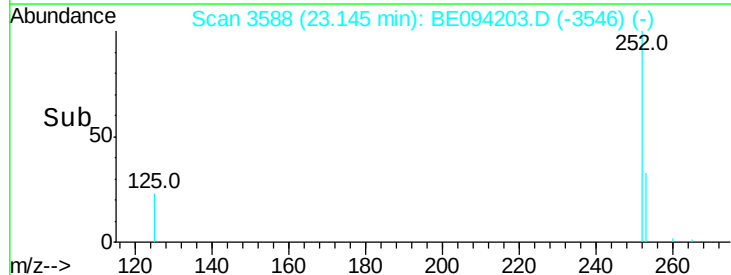
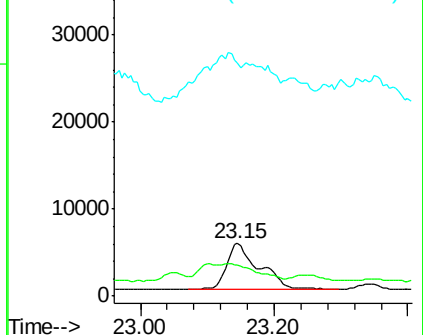
125 443.9 0.0 35.0#

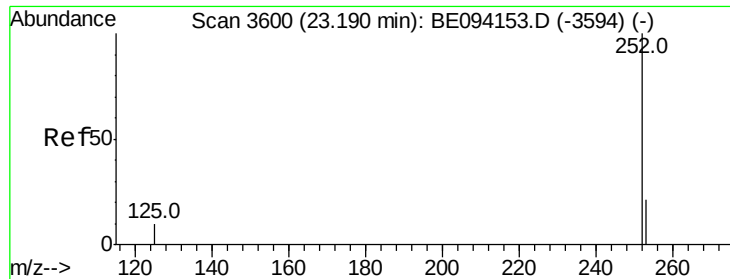


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.685 ng/ul

RT: 23.15 min Scan# 3588

Delta R.T. -0.06 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

Instrument :

BNA_E

ClientSampleId :

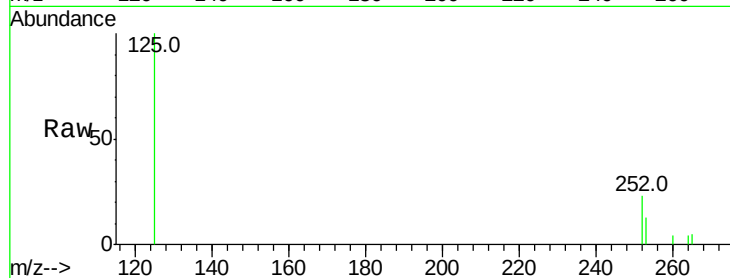
Tot Ion:252 Resp: 17529

Ion Ratio Lower Upper

252 100

253 59.0 24.5 36.7#

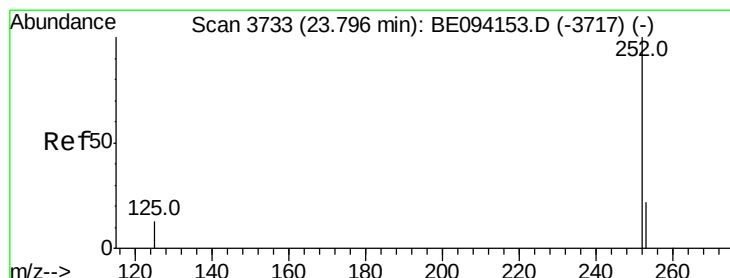
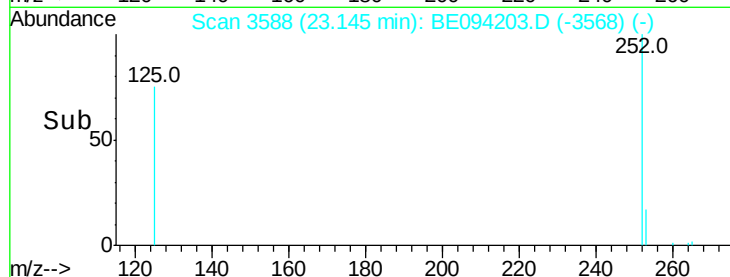
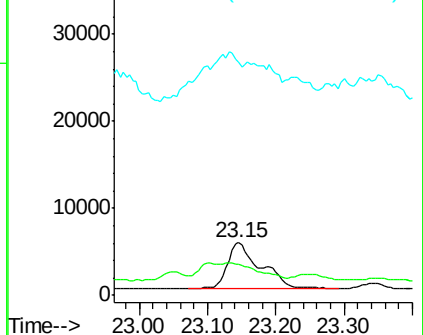
125 443.9 13.7 20.5#



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: 0.230 ng/ul

RT: 23.80 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

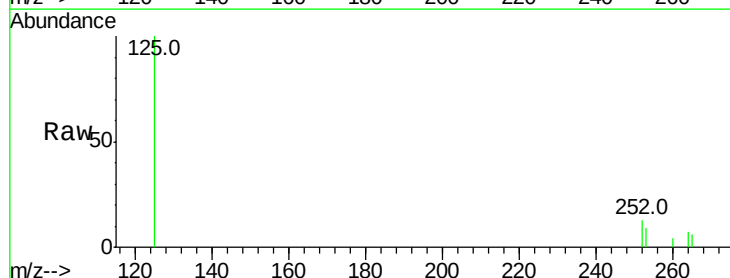
Tgt Ion:252 Resp: 5293

Ion Ratio Lower Upper

252 100

253 66.1 28.5 42.7#

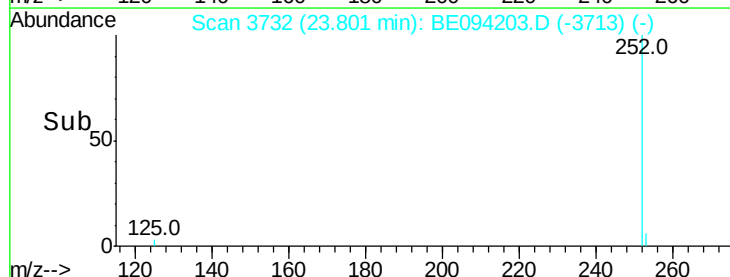
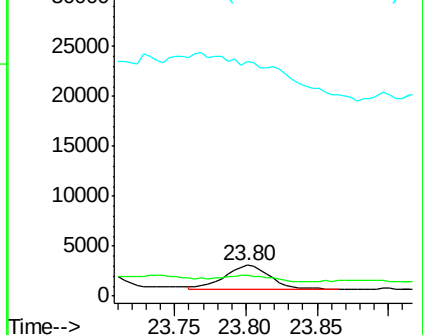
125 760.3 18.1 27.1#

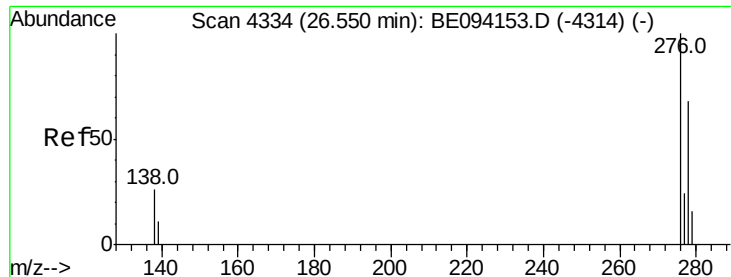


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



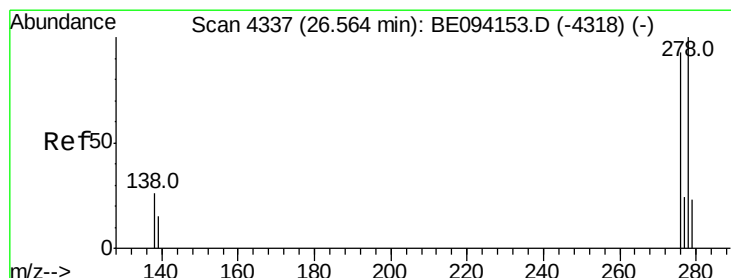
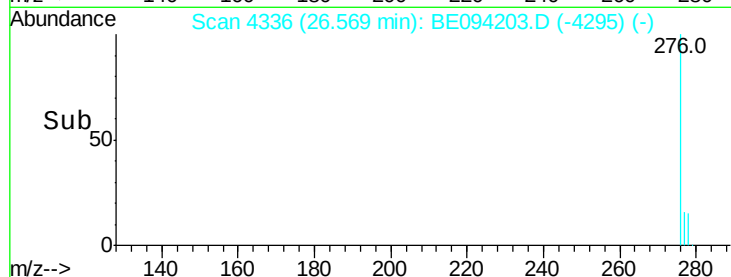
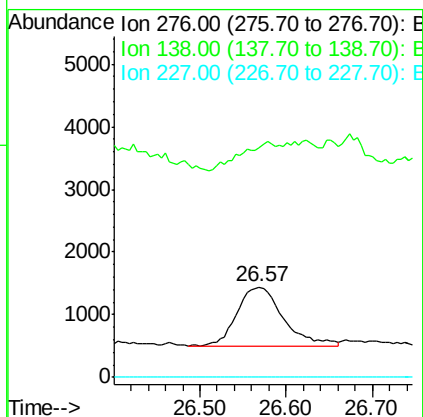
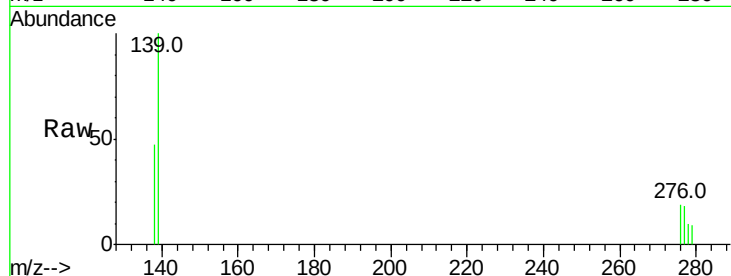


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.149 ng/ul
RT: 26.57 min Scan# 4336
Delta R.T. -0.01 min
Lab File: BE094203.D
Acq: 7 Oct 2017 15:24

Instrument :
BNA_E
ClientSampleId :

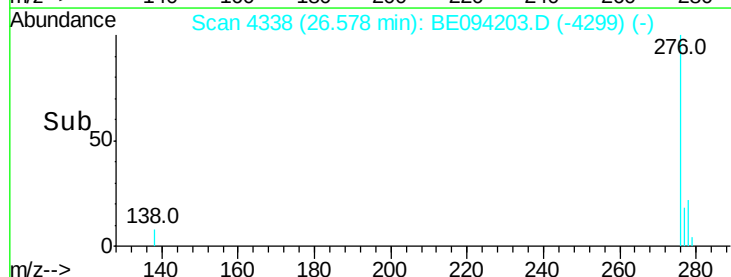
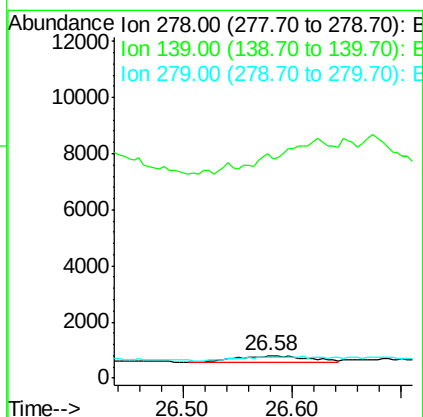
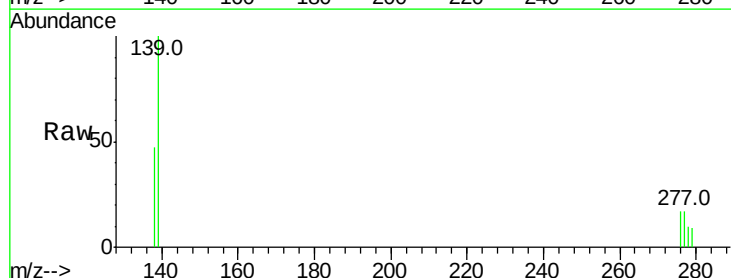
Tot Ion:276 Resp: 3493
Ion Ratio Lower Upper
276 100
138 0.0 28.0 42.0#
227 0.0 8.0 12.0#

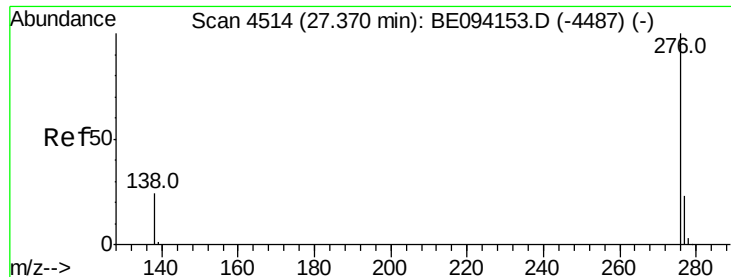


#25

Dibenzo(a,h)anthracene
Concen: 0.055 ng/ul
RT: 26.58 min Scan# 4338
Delta R.T. -0.02 min
Lab File: BE094203.D
Acq: 7 Oct 2017 15:24

Tgt Ion:278 Resp: 1080
Ion Ratio Lower Upper
278 100
139 1005.0 17.4 26.0#
279 93.0 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.147 ng/ul

RT: 27.39 min Scan# 4516

Delta R.T. -0.01 min

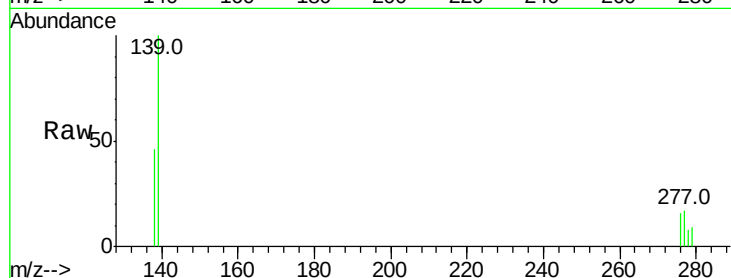
Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

Instrument :

BNA_E

ClientSampleId :



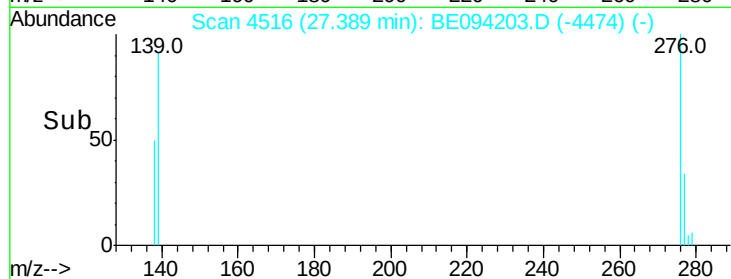
Tot Ion:276 Resp: 2976

Ion Ratio Lower Upper

276 100

138 278.1 21.8 32.8#

277 103.6 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

