

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100717\
 Data File : BE094204.D
 Acq On : 7 Oct 2017 16:03
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 07 23:52:38 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

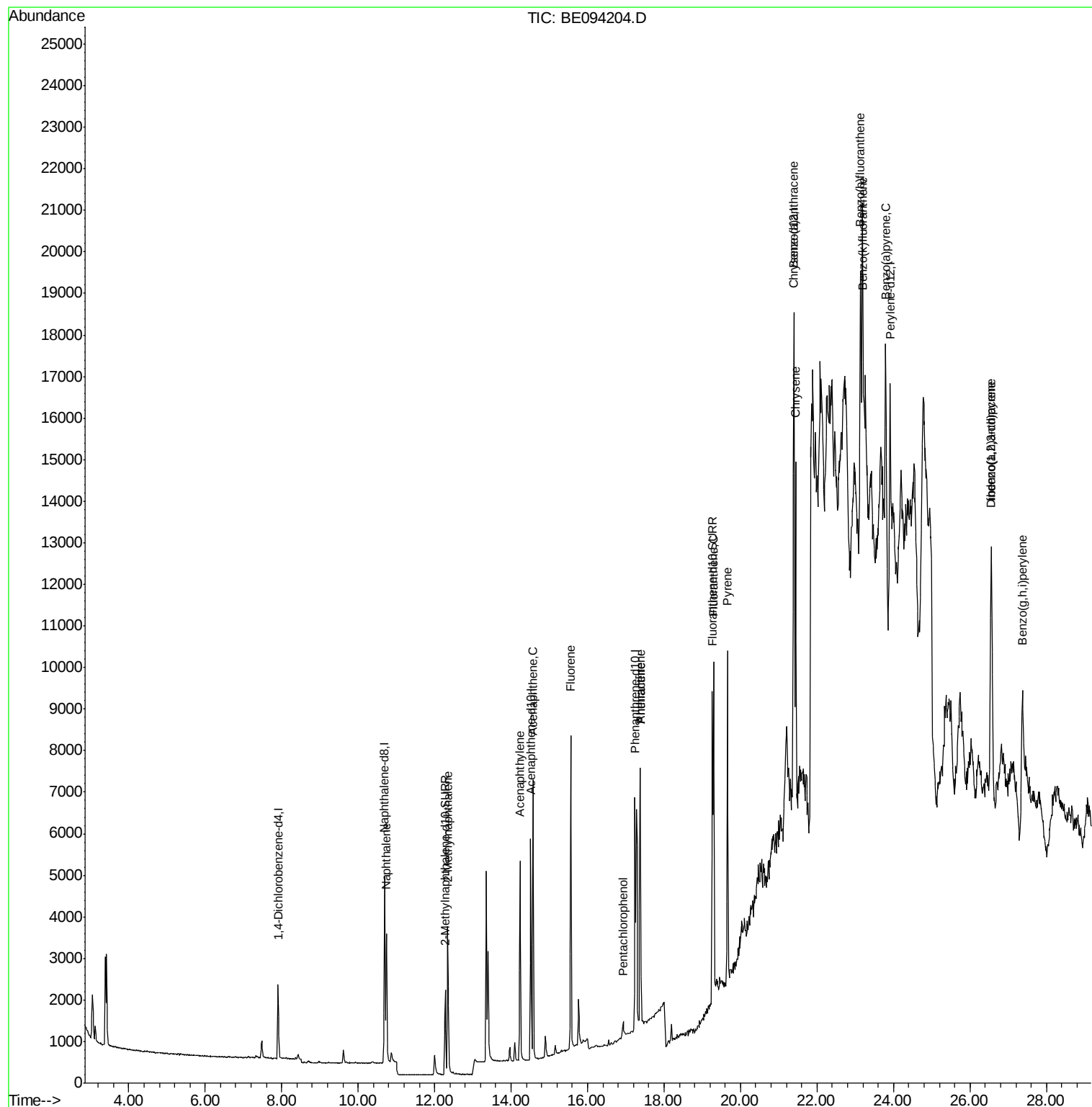
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1018	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	5257	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	3262	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	7830	0.40	ng/ul	-0.03
16) Chrysene-d12	21.40	240	7514	0.40	ng/ul	-0.01
20) Perylene-d12	23.91	264	8090	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	3382	0.41	ng/ul	-0.01
14) Fluoranthene-d10	19.26	212	9351	0.36	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	5028	0.390	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	3585	0.429	ng/ul	99
7) Acenaphthylene	14.24	152	6012	0.473	ng/ul	97
8) Acenaphthene	14.57	153	4252	0.406	ng/ul	97
9) Fluorene	15.56	166	5123	0.418	ng/ul	92
11) Pentachlorophenol	16.93	266	468	0.509	ng/ul	92
12) Phenanthrene	17.38	178	7786	0.381	ng/ul	97
13) Anthracene	17.38	178	8156	0.410	ng/ul	99
15) Fluoranthene	19.30	202	9432	0.351	ng/ul	87
17) Pyrene	19.66	202	10236	0.490	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	8819	0.442	ng/ul#	80
19) Chrysene	21.44	228	8163	0.355	ng/ul#	80
21) Benzo(b)fluoranthene	23.14	252	8476	0.386	ng/ul#	1
22) Benzo(k)fluoranthene	23.19	252	9221	0.363	ng/ul#	1
23) Benzo(a)pyrene	23.80	252	8267	0.362	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.55	276	9059	0.388	ng/ul#	81
25) Dibenzo(a,h)anthracene	26.57	278	7549	0.385	ng/ul#	1
26) Benzo(g,h,i)perylene	27.37	276	8377	0.416	ng/ul#	28

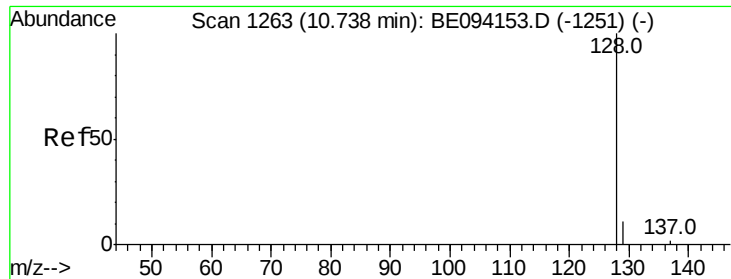
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.390 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

Instrument :

BNA_E

ClientSampleId :

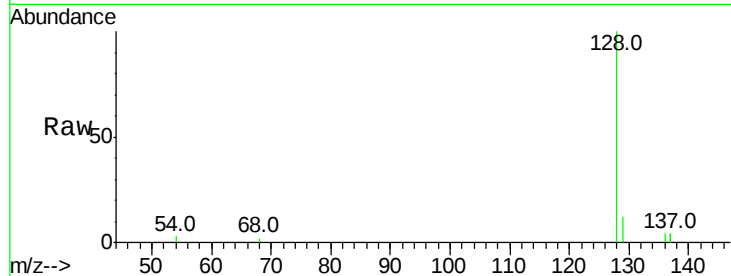
Tot Ion:128 Resp: 5028

Ion Ratio Lower Upper

128 100

129 12.4 11.3 16.9

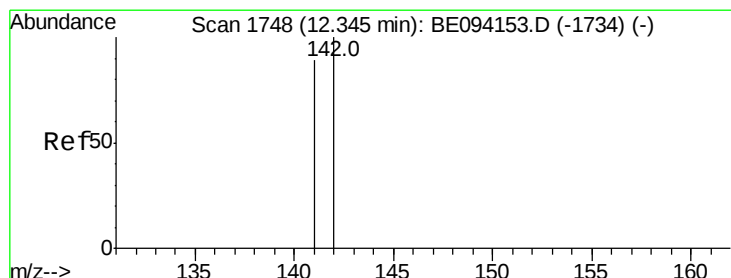
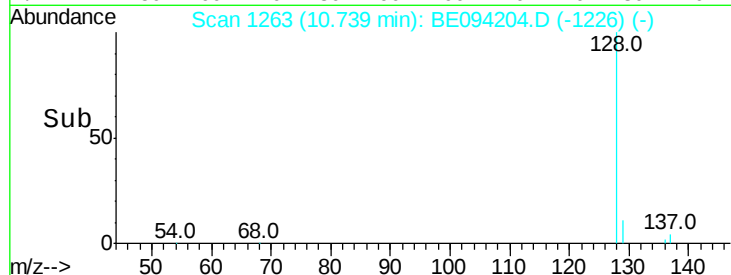
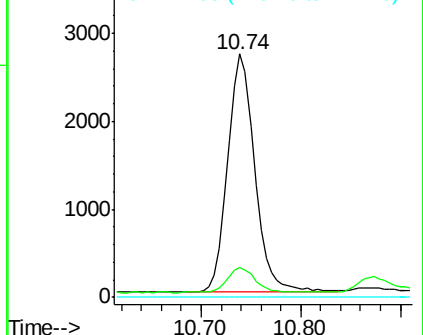
127 0.0 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.429 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094204.D

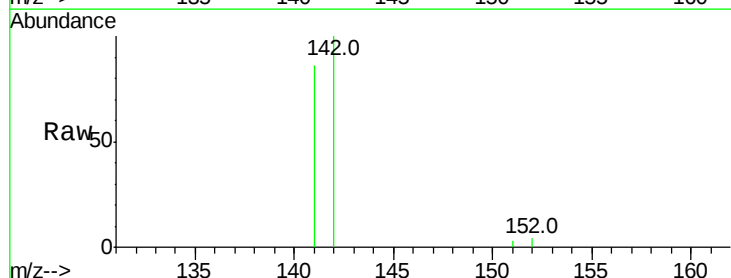
Acq: 7 Oct 2017 16:03

Tgt Ion:142 Resp: 3585

Ion Ratio Lower Upper

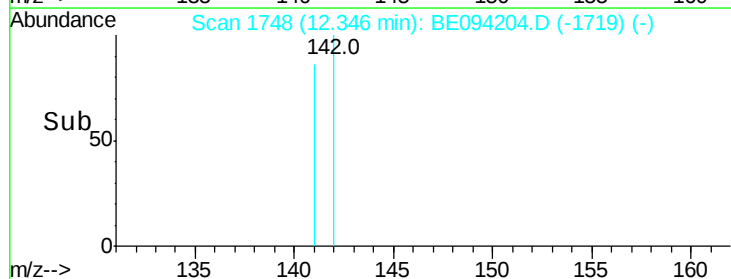
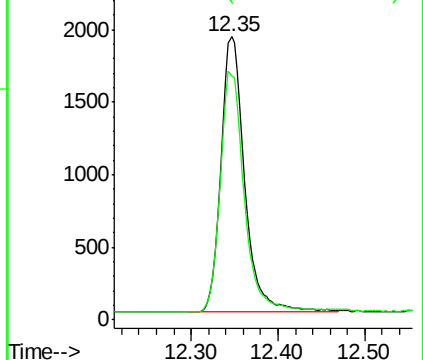
142 100

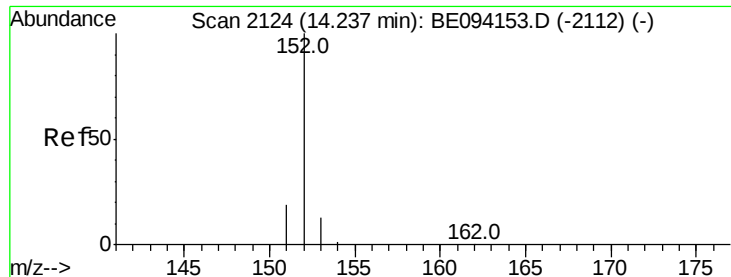
141 90.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.473 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

Instrument :

BNA_E

ClientSampleId :

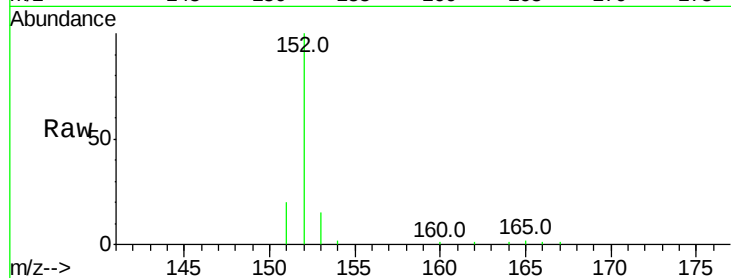
Tot Ion:152 Resp: 6012

Ion Ratio Lower Upper

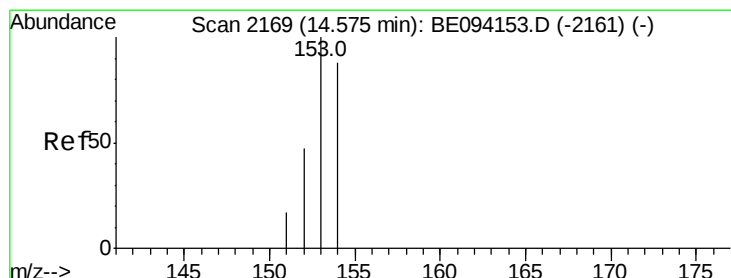
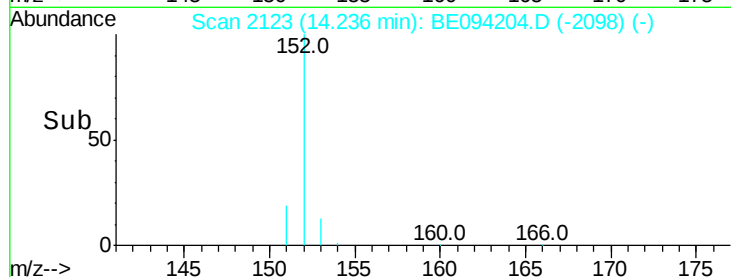
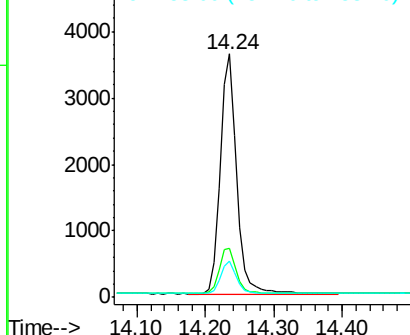
152 100

151 20.0 17.1 25.7

153 14.6 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: 0.406 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

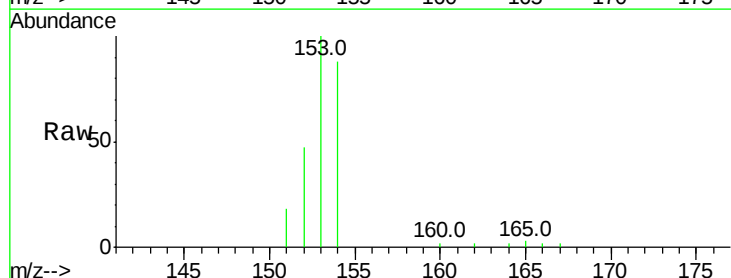
Tgt Ion:153 Resp: 4252

Ion Ratio Lower Upper

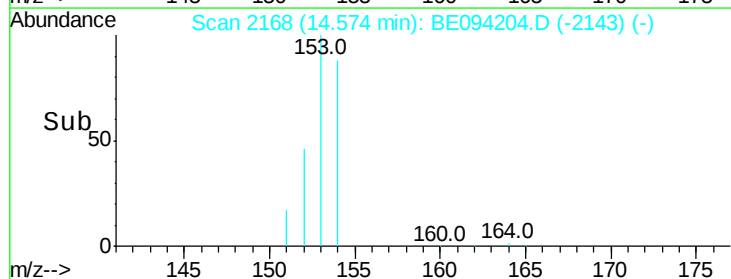
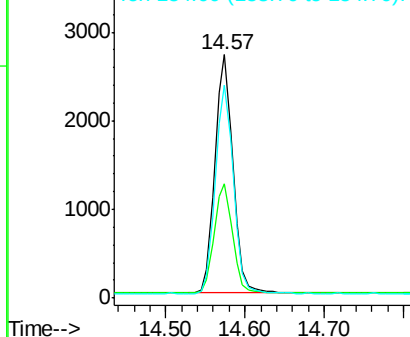
153 100

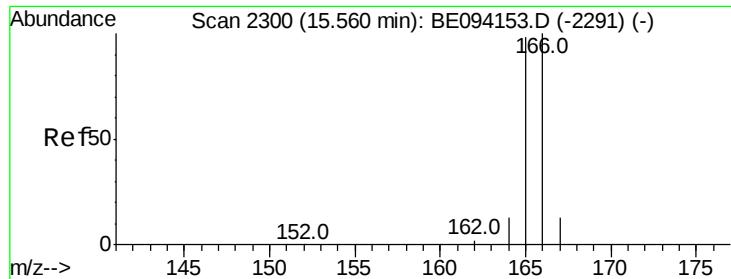
152 46.8 40.3 60.5

154 87.5 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

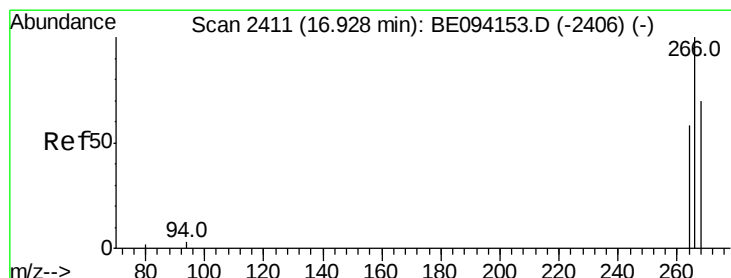
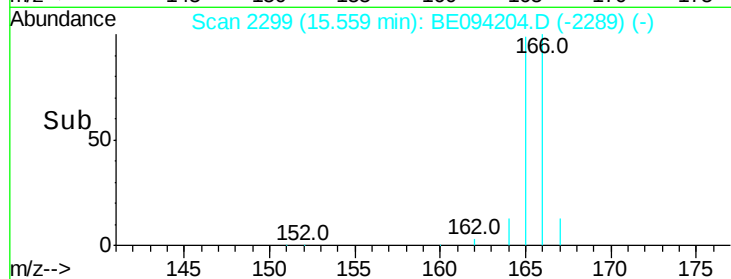
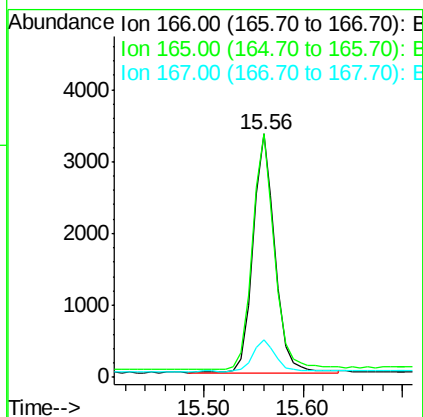
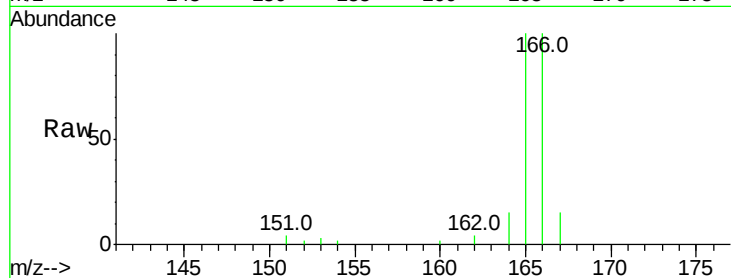




#9
Fluorene
 Concen: 0.418 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094204.D
 Acq: 7 Oct 2017 16:03

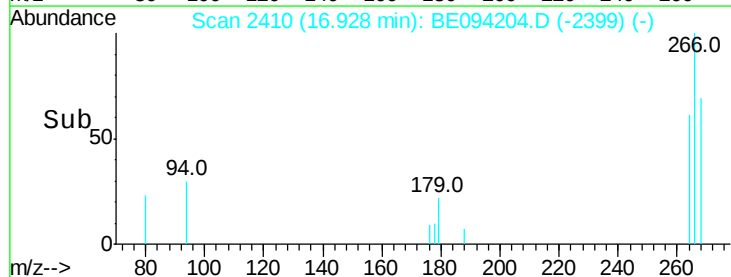
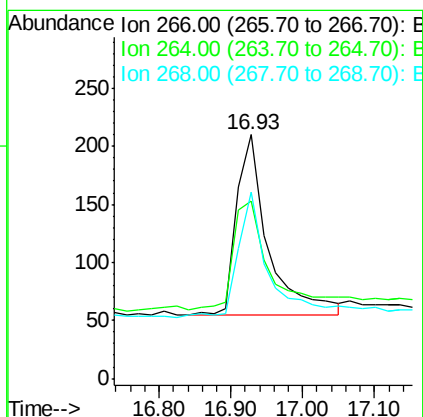
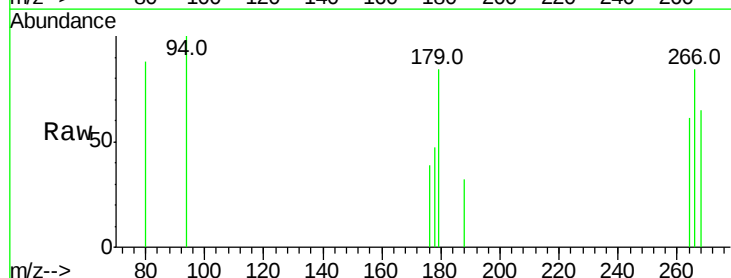
Instrument :
 BNA_E
 ClientSampleId :

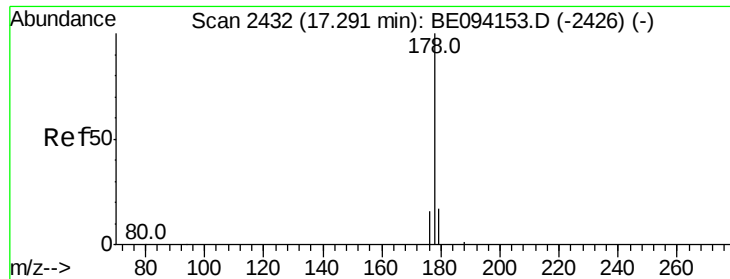
Tot Ion:166 Resp: 5123
 Ion Ratio Lower Upper
 166 100
 165 100.1 73.4 110.2
 167 15.5 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.509 ng/ul
 RT: 16.93 min Scan# 2410
 Delta R.T. -0.02 min
 Lab File: BE094204.D
 Acq: 7 Oct 2017 16:03

Tgt Ion:266 Resp: 468
 Ion Ratio Lower Upper
 266 100
 264 68.8 47.9 71.9
 268 65.8 49.8 74.8





#12

Phenanthrene

Concen: 0.381 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. 0.07 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

Instrument :

BNA_E

ClientSampleId :

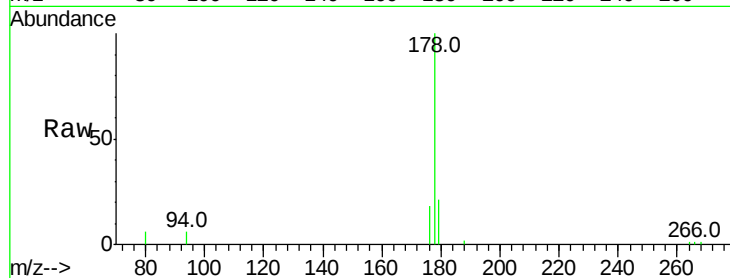
Tot Ion:178 Resp: 7786

Ion Ratio Lower Upper

178 100

179 21.5 18.4 27.6

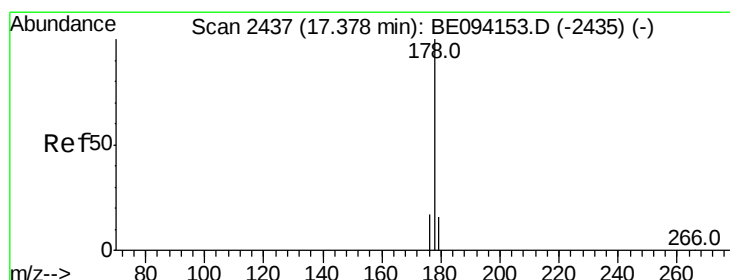
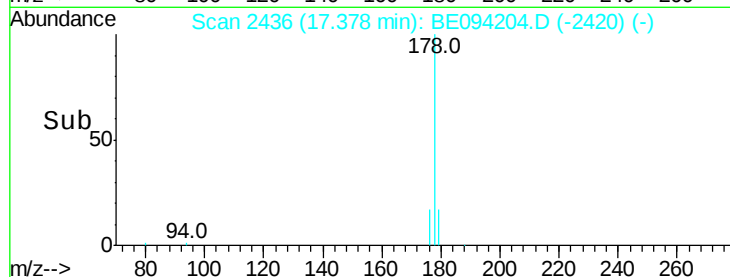
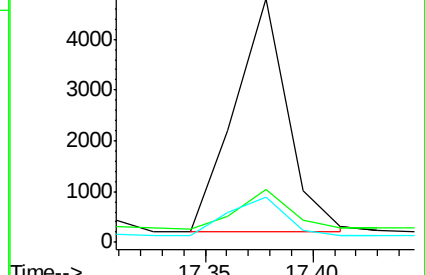
176 18.5 13.6 20.4



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



#13

Anthracene

Concen: 0.410 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

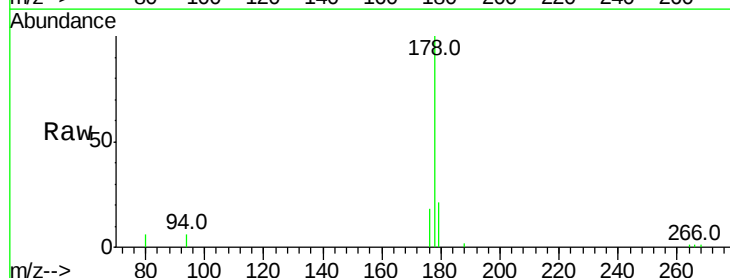
Tgt Ion:178 Resp: 8156

Ion Ratio Lower Upper

178 100

179 21.5 18.1 27.1

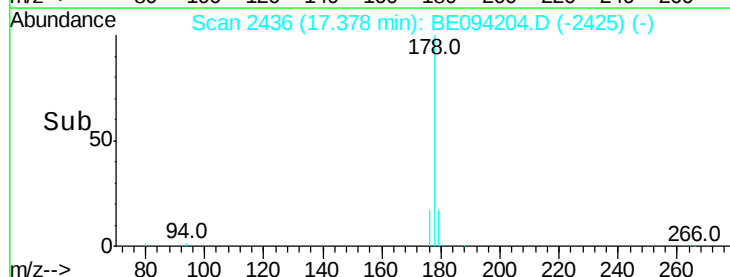
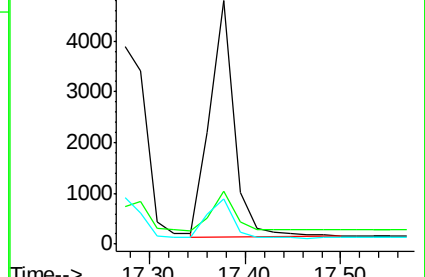
176 18.5 14.7 22.1

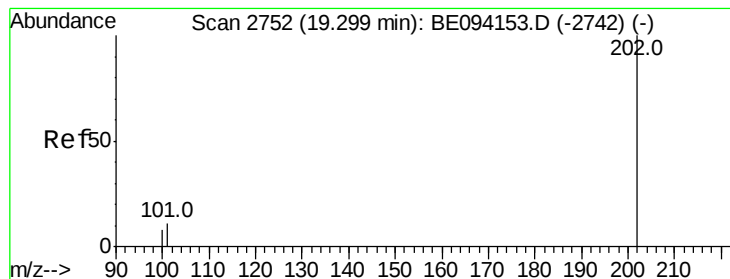


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.351 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. -0.02 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

Instrument :

BNA_E

ClientSampleId :

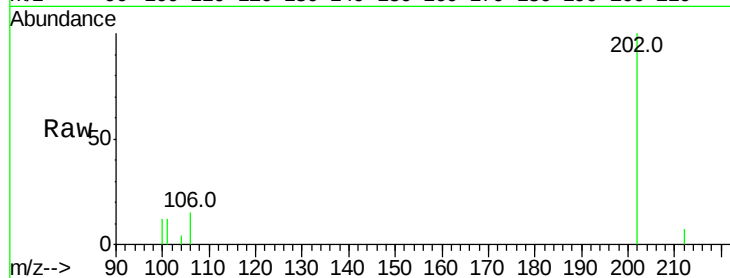
Tot Ion:202 Resp: 9432

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.3

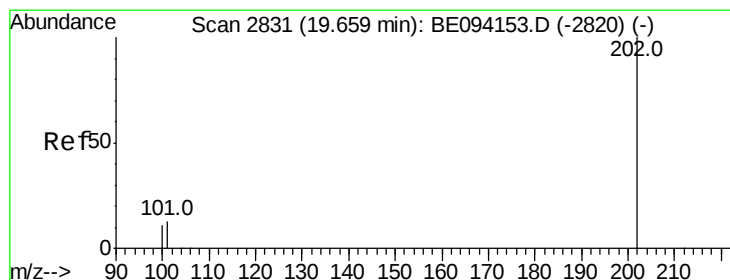
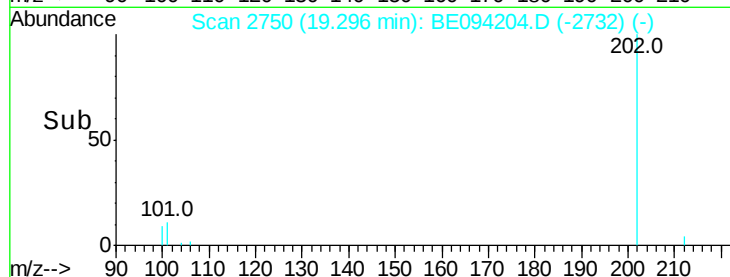
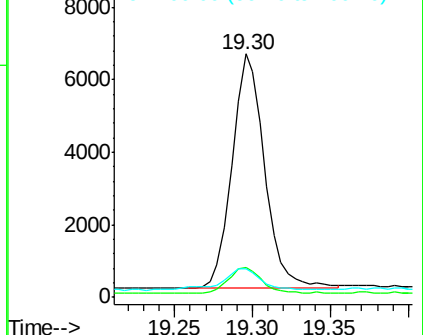
100 11.8 0.0 39.5



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): BE



#17

Pyrene

Concen: 0.490 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

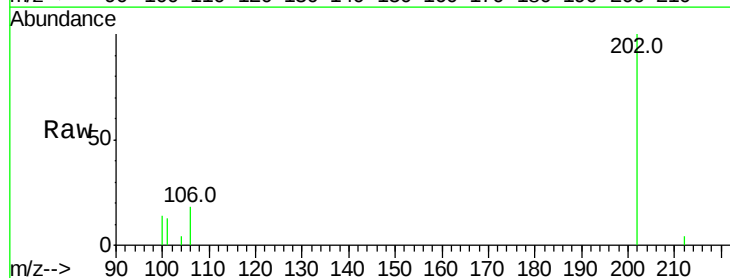
Tgt Ion:202 Resp: 10236

Ion Ratio Lower Upper

202 100

101 13.3 18.2 27.4#

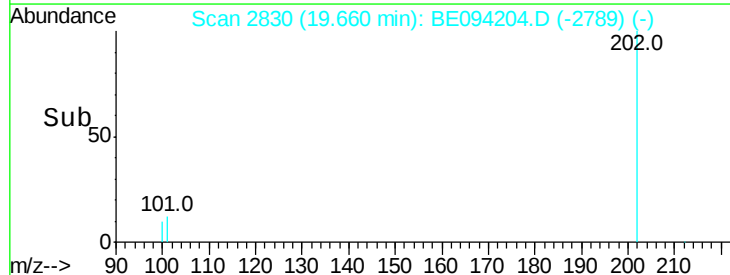
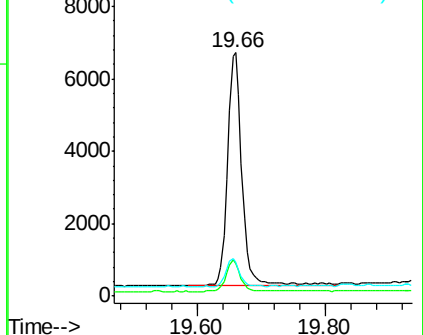
100 14.0 15.6 23.4#

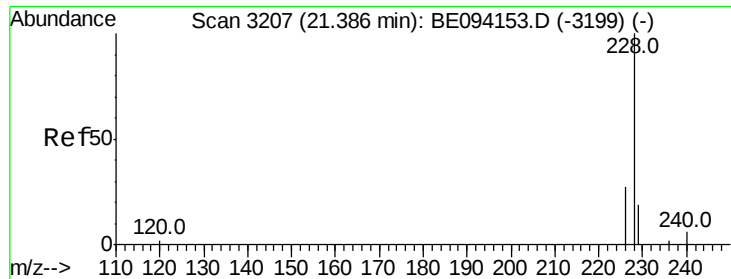


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.442 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.01 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

Instrument :

BNA_E

ClientSampleId :

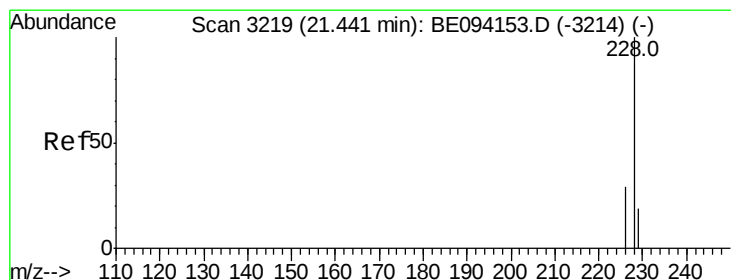
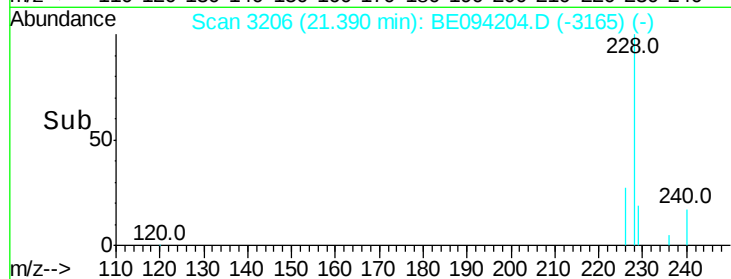
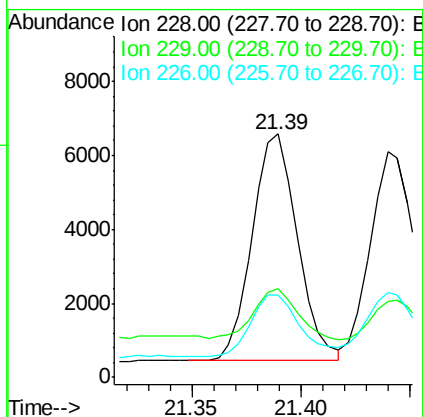
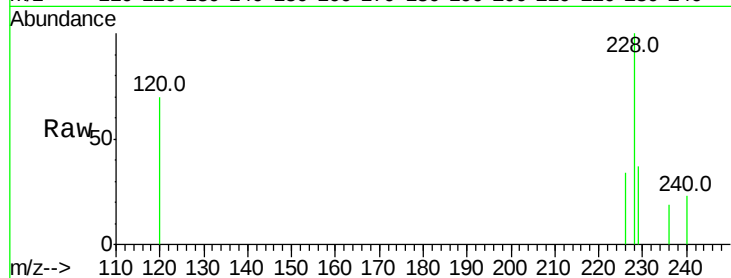
Tot Ion:228 Resp: 8819

Ion Ratio Lower Upper

228 100

229 36.5 22.8 34.2#

226 34.0 17.0 25.6#



#19

Chrysene

Concen: 0.355 ng/ul

RT: 21.44 min Scan# 3217

Delta R.T. -0.01 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

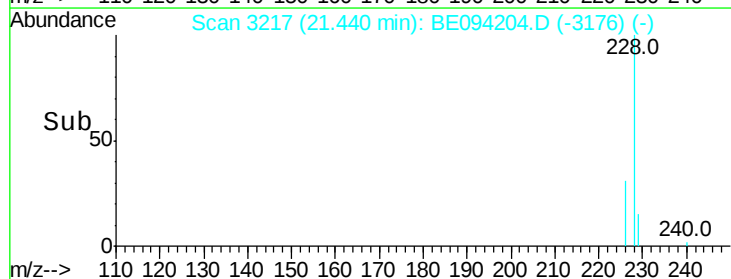
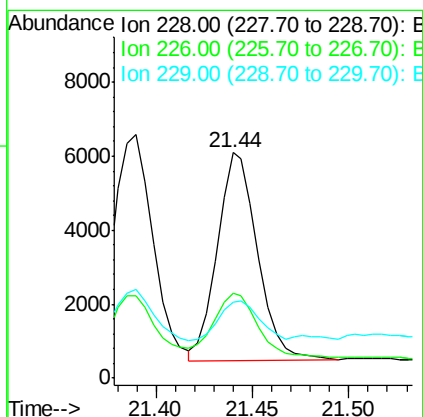
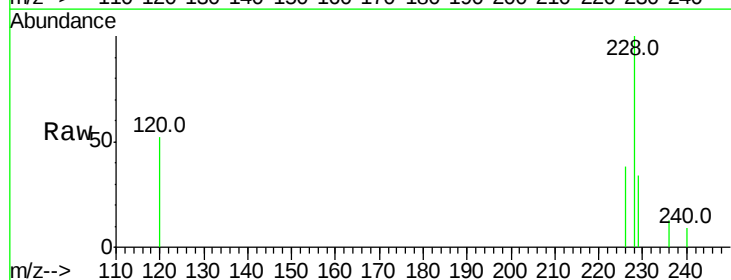
Tgt Ion:228 Resp: 8163

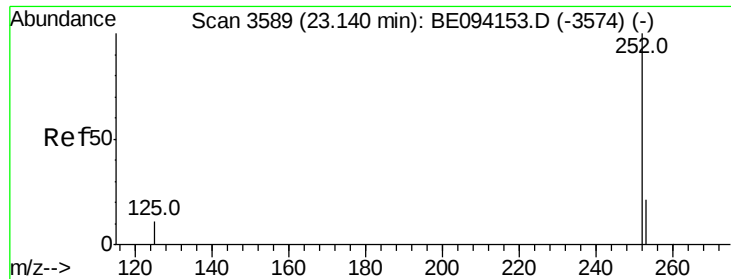
Ion Ratio Lower Upper

228 100

226 37.9 23.4 35.0#

229 33.6 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.386 ng/u1

RT: 23.14 min Scan# 3586

Delta R.T. -0.02 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

Instrument :

BNA_E

ClientSampleId :

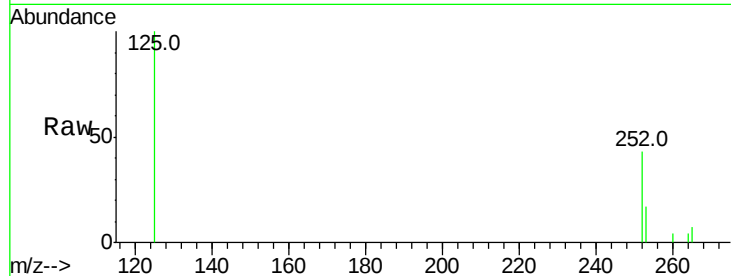
Tot Ion:252 Resp: 8476

Ion Ratio Lower Upper

252 100

253 38.2 0.0 64.2

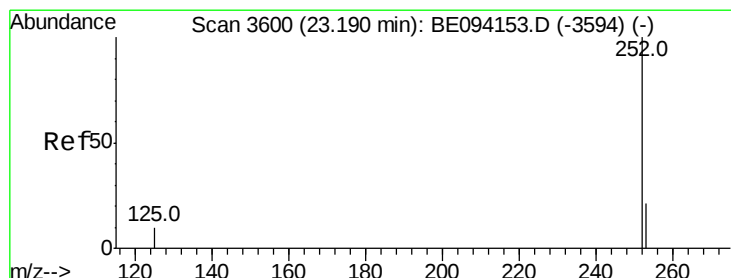
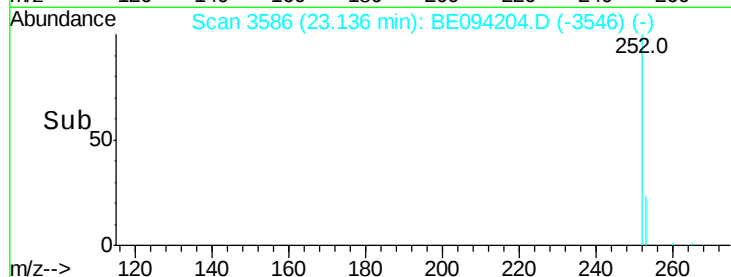
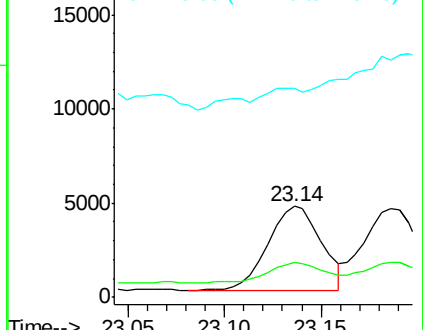
125 230.1 0.0 35.0#



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: 0.363 ng/u1

RT: 23.19 min Scan# 3597

Delta R.T. -0.02 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

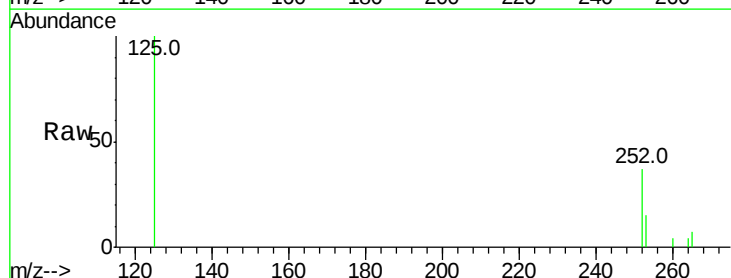
Tgt Ion:252 Resp: 9221

Ion Ratio Lower Upper

252 100

253 39.2 24.5 36.7#

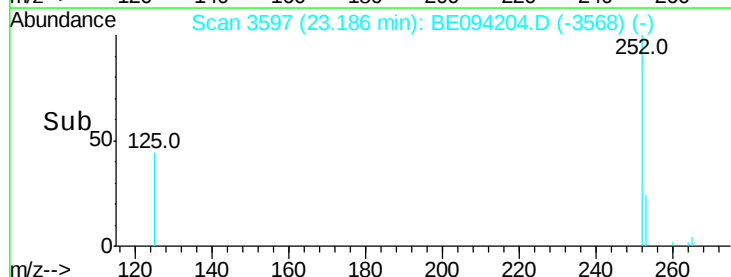
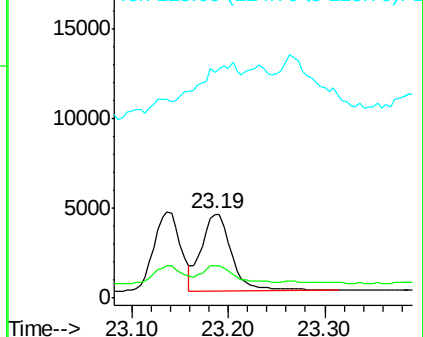
125 267.7 13.7 20.5#

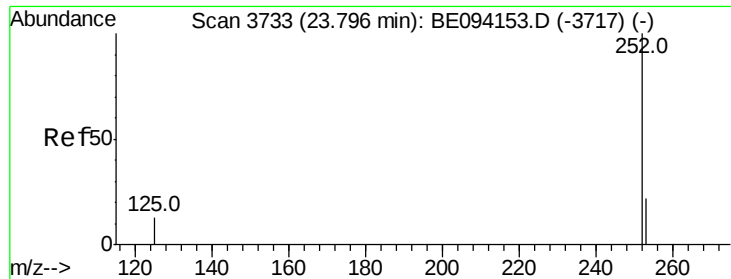


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.362 ng/ul

RT: 23.80 min Scan# 3731

Delta R.T. -0.02 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

Instrument :

BNA_E

ClientSampleId :

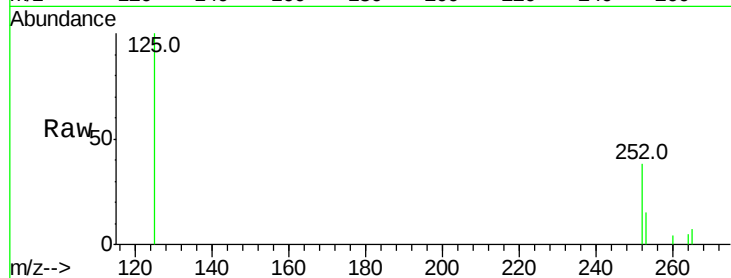
Tot Ion:252 Resp: 8267

Ion Ratio Lower Upper

252 100

253 38.8 28.5 42.7

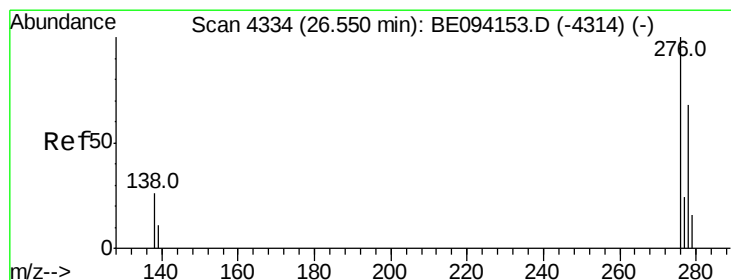
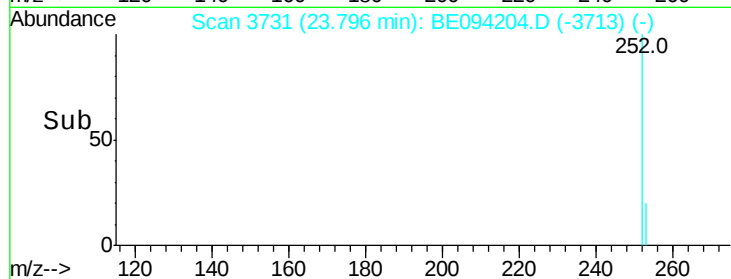
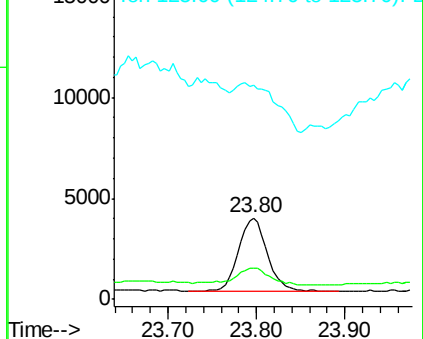
125 263.9 18.1 27.1#



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: 0.388 ng/ul

RT: 26.55 min Scan# 4332

Delta R.T. -0.03 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

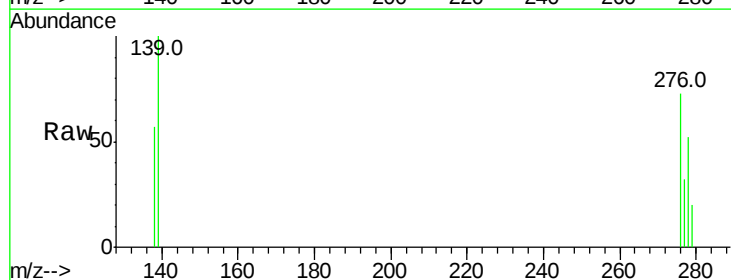
Tgt Ion:276 Resp: 9059

Ion Ratio Lower Upper

276 100

138 25.6 28.0 42.0#

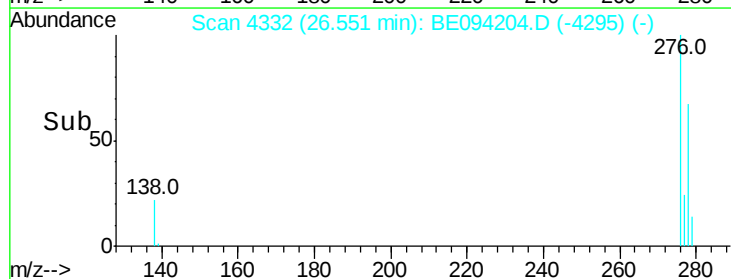
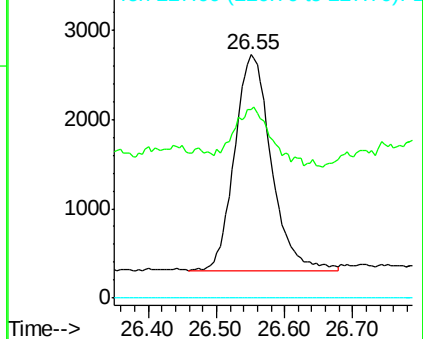
227 0.0 8.0 12.0#

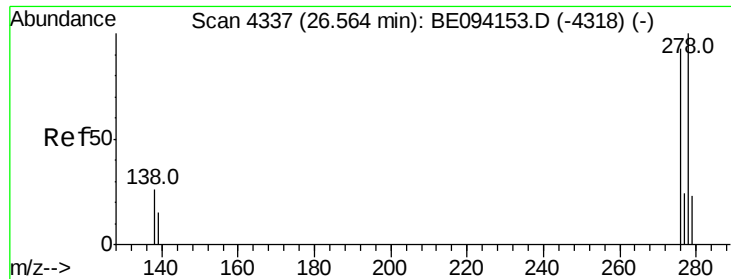


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.385 ng/ul

RT: 26.57 min Scan# 4336

Delta R.T. -0.03 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

Instrument :

BNA_E

ClientSampled :

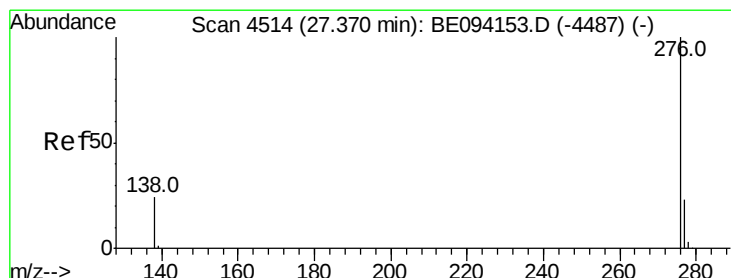
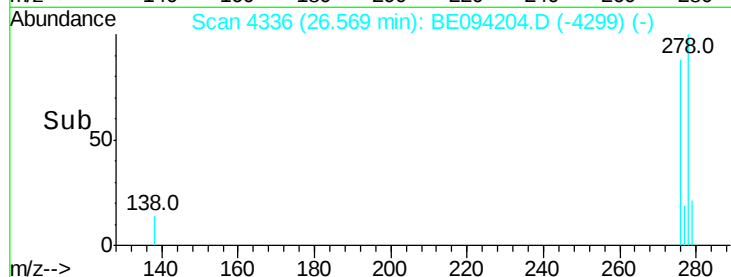
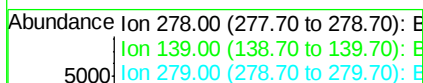
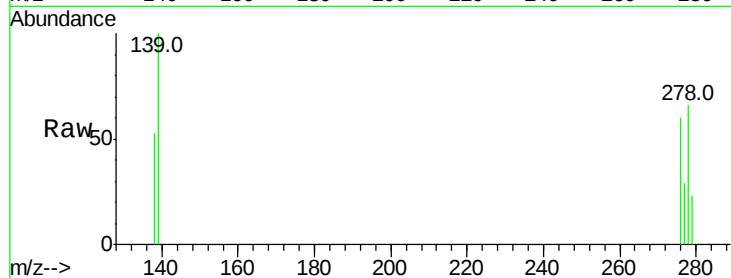
Tot Ion:278 Resp: 7549

Ion Ratio Lower Upper

278 100

139 150.4 17.4 26.0#

279 34.3 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 0.416 ng/ul

RT: 27.37 min Scan# 4511

Delta R.T. -0.03 min

Lab File: BE094204.D

Acq: 7 Oct 2017 16:03

Tgt Ion:276 Resp: 8377

Ion Ratio Lower Upper

276 100

138 80.6 21.8 32.8#

277 45.8 20.5 30.7#

