

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100717\
 Data File : BE094196.D
 Acq On : 7 Oct 2017 11:01
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 07 23:51:29 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

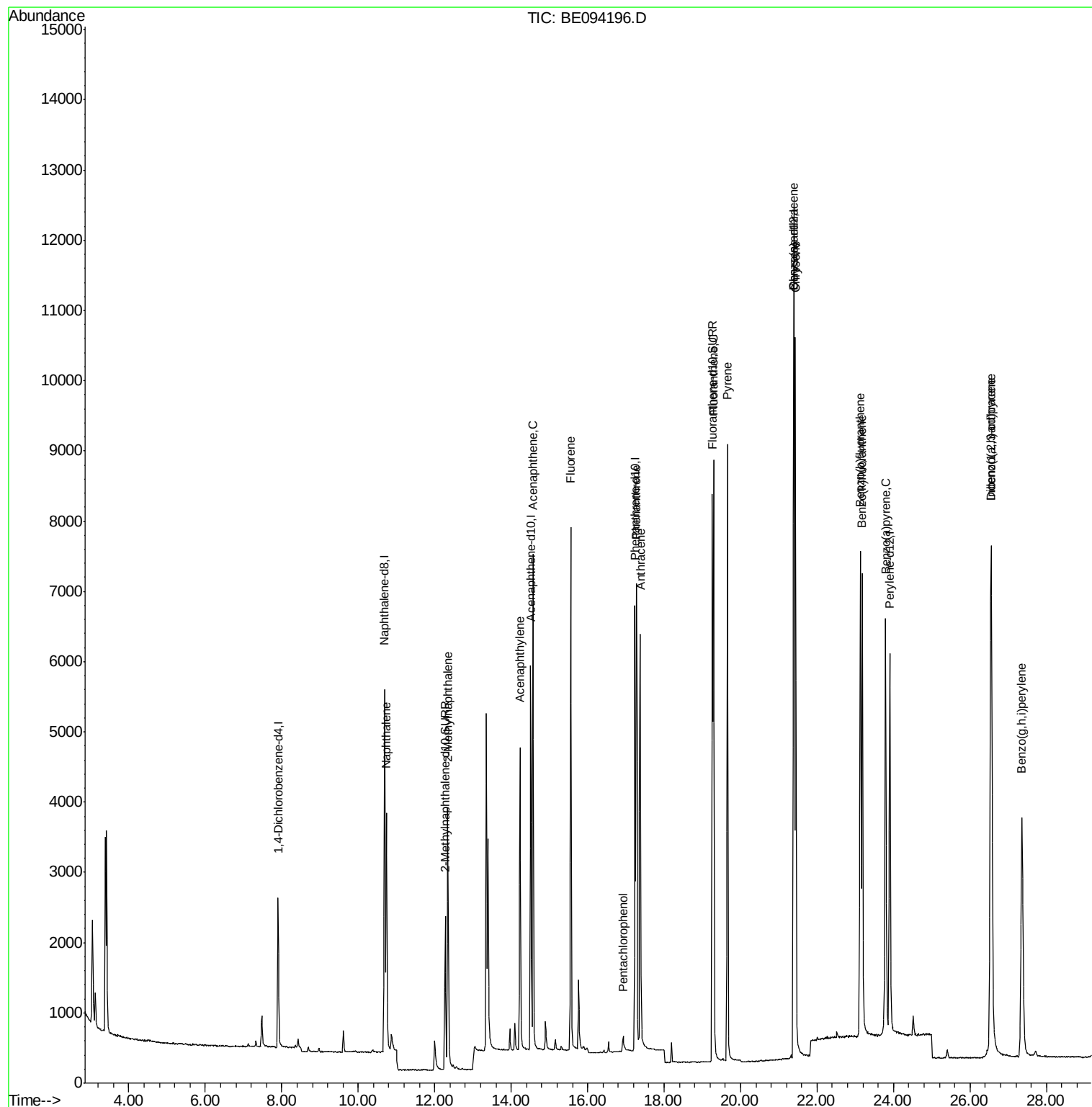
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1232	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	5885	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	3405	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	8364	0.40	ng/ul	-0.03
16) Chrysene-d12	21.40	240	8972	0.40	ng/ul	-0.01
20) Perylene-d12	23.90	264	8778	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	3667	0.40	ng/ul	-0.02
14) Fluoranthene-d10	19.26	212	9879	0.35	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.73	128	5710	0.396	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	3876	0.414	ng/ul	98
7) Acenaphthylene	14.24	152	5774	0.435	ng/ul	98
8) Acenaphthene	14.57	153	4382	0.401	ng/ul	98
9) Fluorene	15.56	166	5108	0.399	ng/ul	93
11) Pentachlorophenol	16.93	266	312	0.318	ng/ul	96
12) Phenanthrene	17.27	178	8890	0.407	ng/ul#	86
13) Anthracene	17.38	178	8471	0.398	ng/ul#	93
15) Fluoranthene	19.30	202	10184	0.355	ng/ul	84
17) Pyrene	19.66	202	10601	0.425	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	10085	0.424	ng/ul#	86
19) Chrysene	21.44	228	10437	0.380	ng/ul	99
21) Benzo(b)fluoranthene	23.13	252	10096	0.423	ng/ul	86
22) Benzo(k)fluoranthene	23.18	252	10211	0.370	ng/ul#	88
23) Benzo(a)pyrene	23.79	252	10020	0.404	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.55	276	10767	0.425	ng/ul#	83
25) Dibenzo(a,h)anthracene	26.56	278	9000	0.423	ng/ul#	92
26) Benzo(g,h,i)perylene	27.36	276	9085	0.416	ng/ul	98

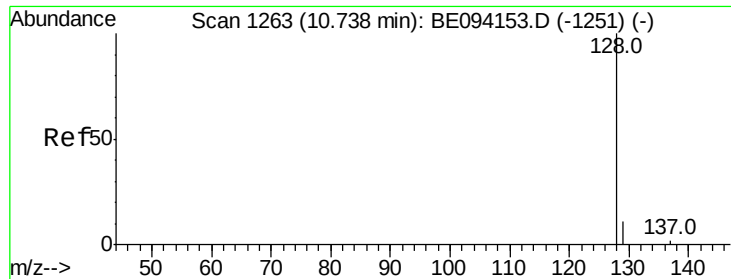
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.396 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE094196.D

Acq: 7 Oct 2017 11:01

Instrument :

BNA_E

ClientSampleId :

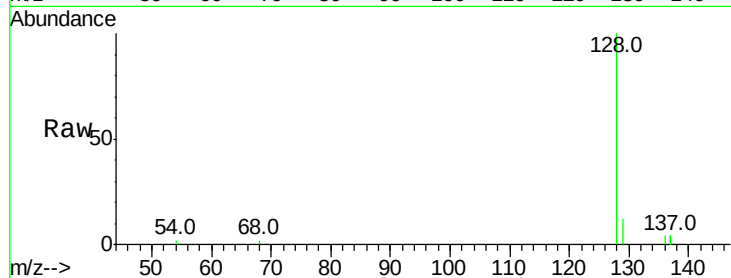
Tot Ion:128 Resp: 5710

Ion Ratio Lower Upper

128 100

129 12.4 11.3 16.9

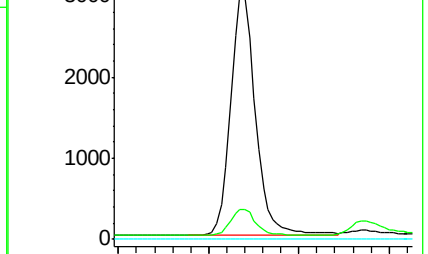
127 0.0 4.0 6.0#



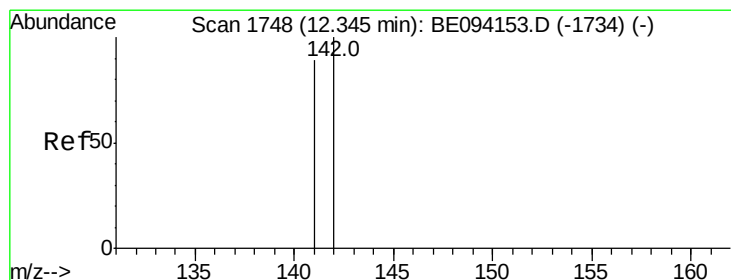
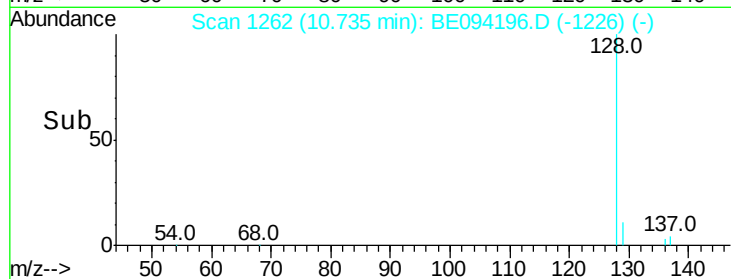
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time--> 10.60 10.70 10.80



#5

2-Methylnaphthalene

Concen: 0.414 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094196.D

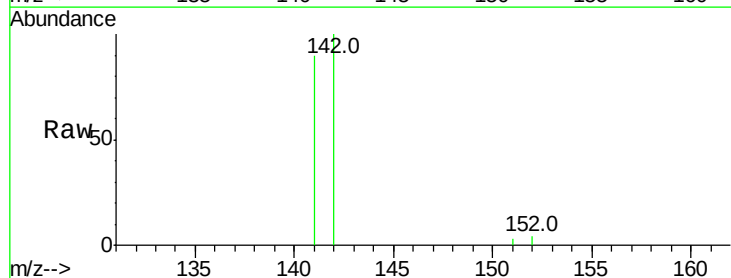
Acq: 7 Oct 2017 11:01

Tgt Ion:142 Resp: 3876

Ion Ratio Lower Upper

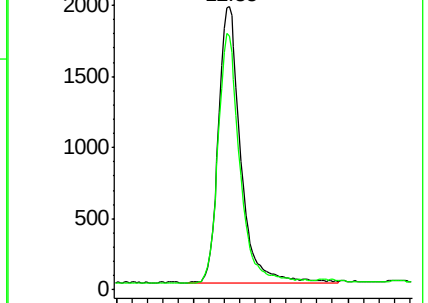
142 100

141 88.7 72.6 108.8

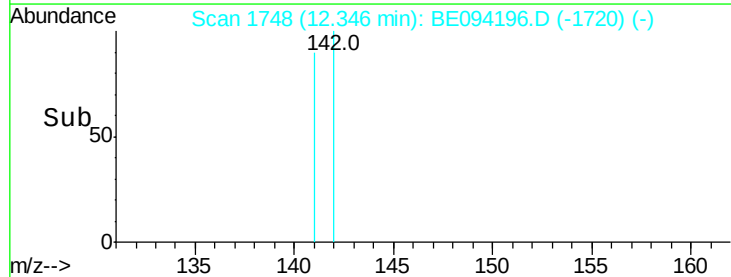


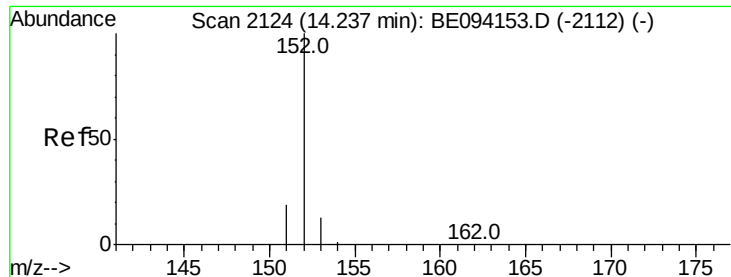
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 12.20 12.30 12.40 12.50





#7

Acenaphthylene

Concen: 0.435 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094196.D

Acq: 7 Oct 2017 11:01

Instrument :

BNA_E

ClientSampleId :

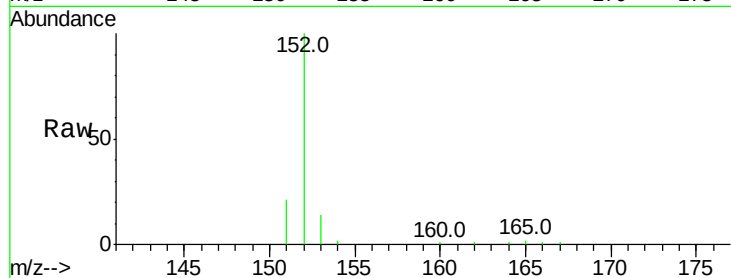
Tot Ion:152 Resp: 5774

Ion Ratio Lower Upper

152 100

151 21.2 17.1 25.7

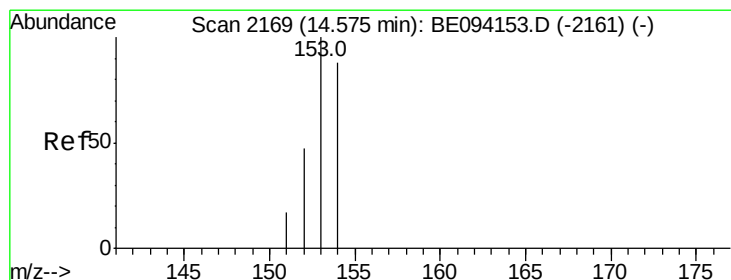
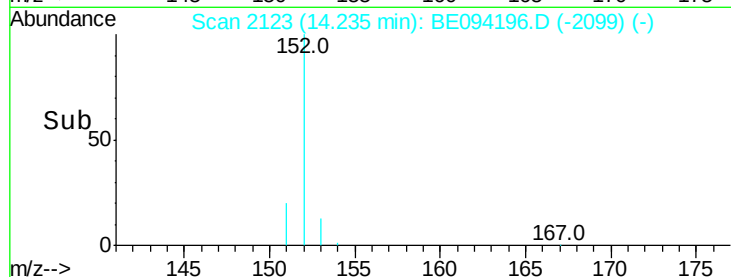
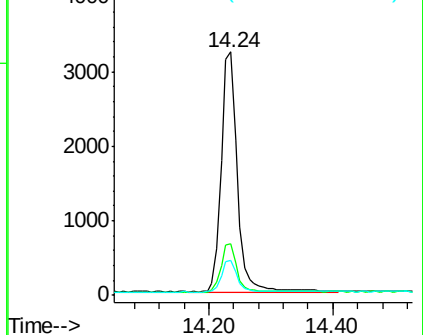
153 14.3 12.8 19.2



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: 0.401 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094196.D

Acq: 7 Oct 2017 11:01

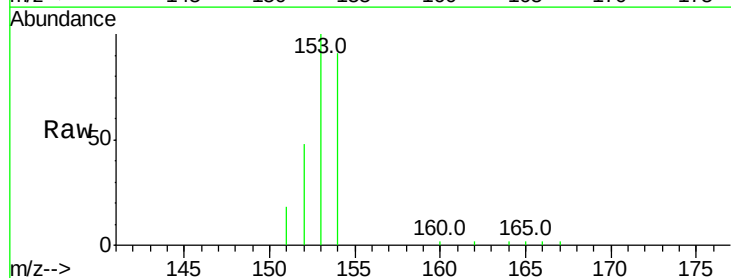
Tgt Ion:153 Resp: 4382

Ion Ratio Lower Upper

153 100

152 48.4 40.3 60.5

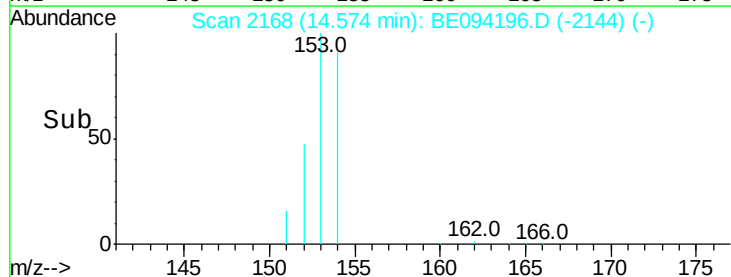
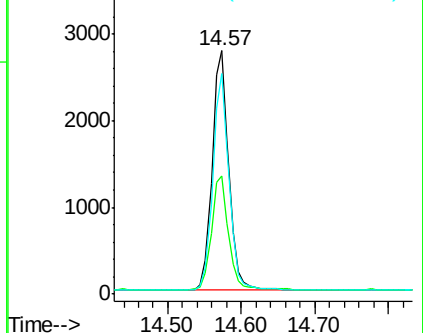
154 90.7 71.4 107.2

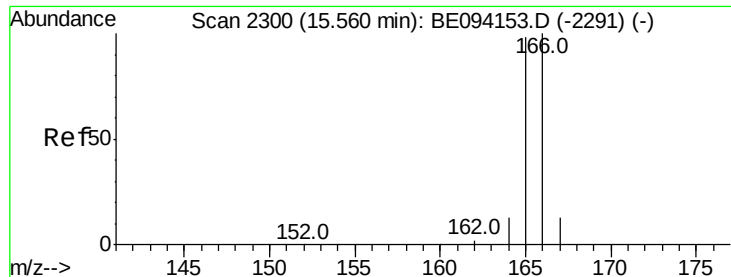


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

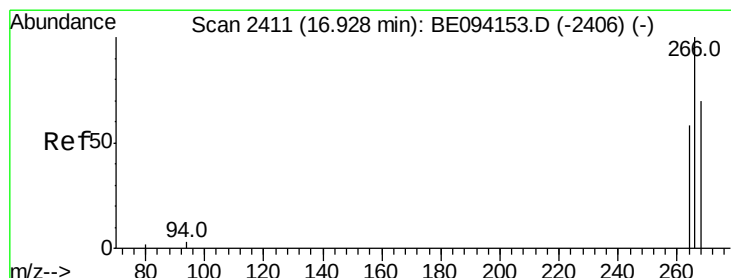
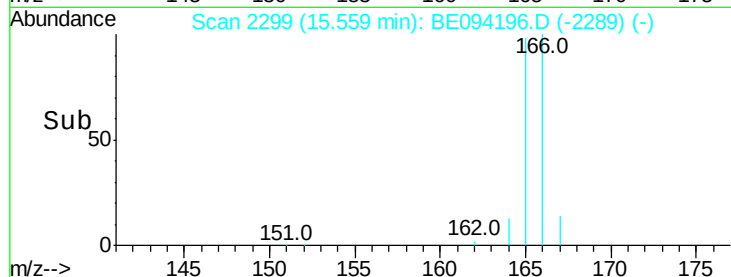
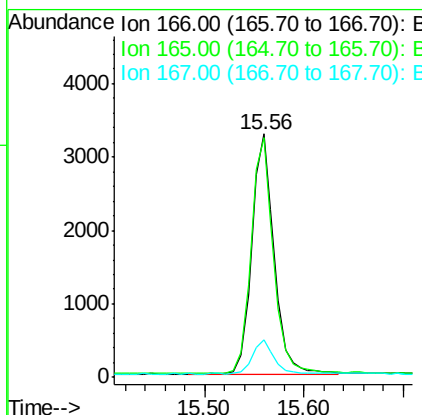
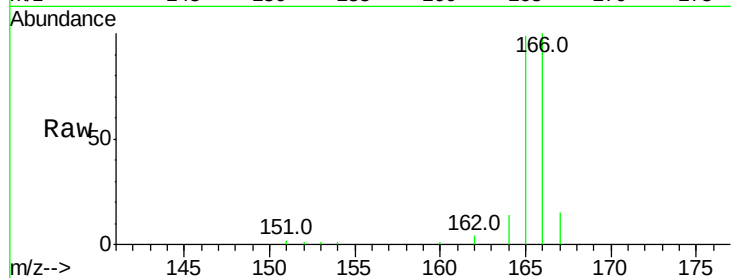




#9
Fluorene
 Concen: 0.399 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094196.D
 Acq: 7 Oct 2017 11:01

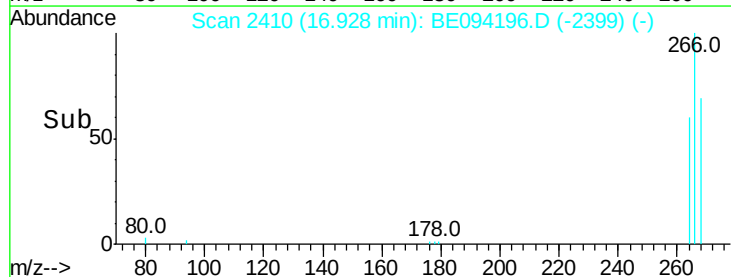
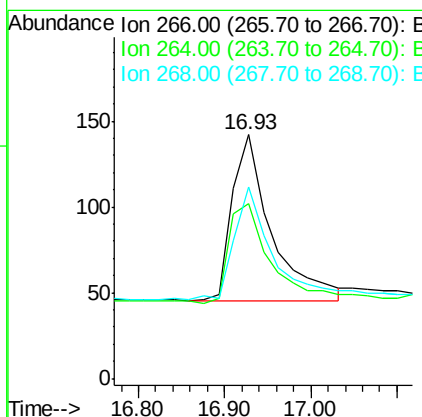
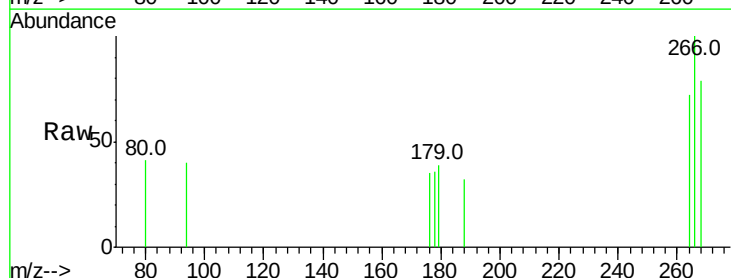
Instrument :
 BNA_E
 ClientSampleId :

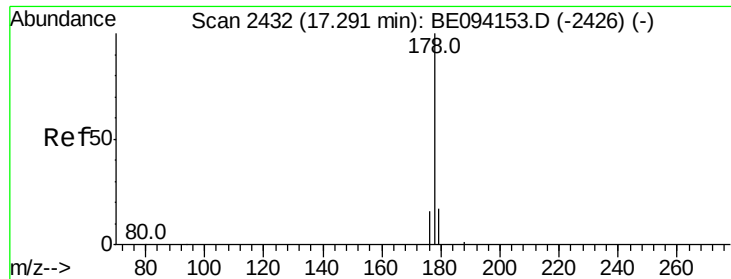
Tot Ion:166 Resp: 5108
 Ion Ratio Lower Upper
 166 100
 165 98.6 73.4 110.2
 167 15.2 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.318 ng/ul
 RT: 16.93 min Scan# 2410
 Delta R.T. -0.02 min
 Lab File: BE094196.D
 Acq: 7 Oct 2017 11:01

Tgt Ion:266 Resp: 312
 Ion Ratio Lower Upper
 266 100
 264 63.8 47.9 71.9
 268 64.1 49.8 74.8





#12

Phenanthrene

Concen: 0.407 ng/ul

RT: 17.27 min Scan# 2430

Delta R.T. -0.03 min

Lab File: BE094196.D

Acq: 7 Oct 2017 11:01

Instrument :

BNA_E

ClientSampleId :

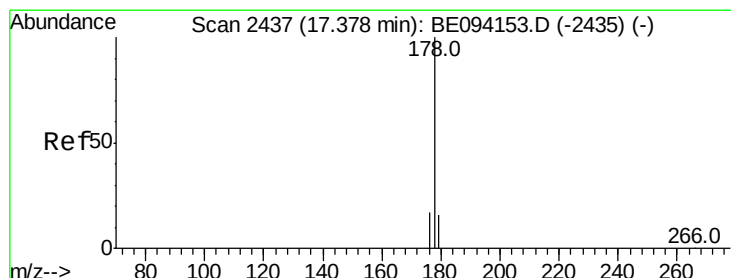
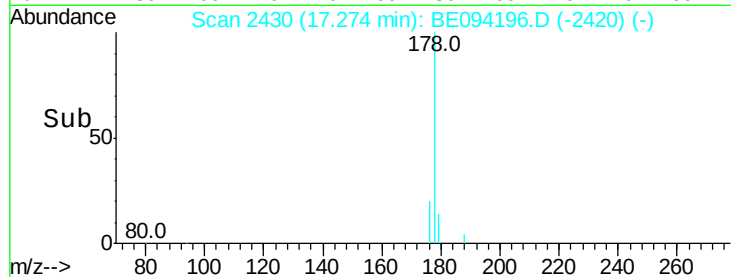
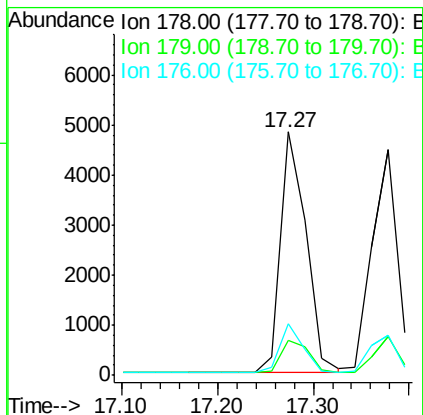
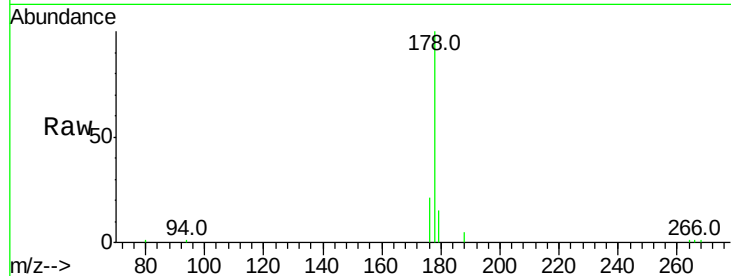
Tot Ion:178 Resp: 8890

Ion Ratio Lower Upper

178 100

179 14.5 18.4 27.6#

176 21.2 13.6 20.4#



#13

Anthracene

Concen: 0.398 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094196.D

Acq: 7 Oct 2017 11:01

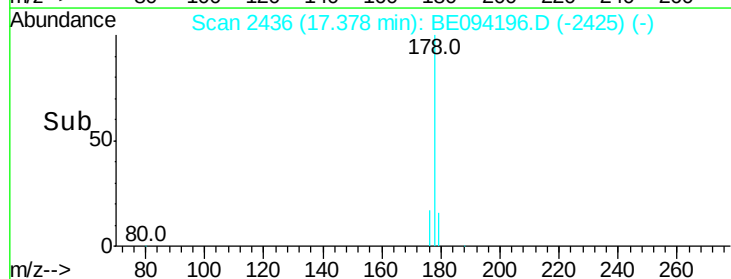
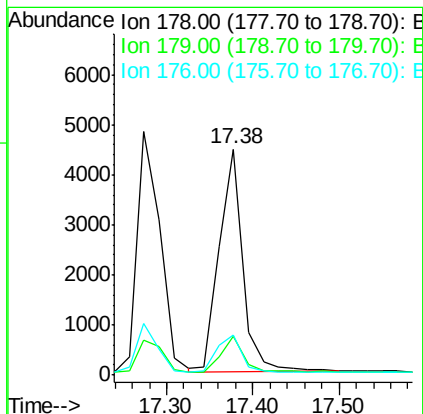
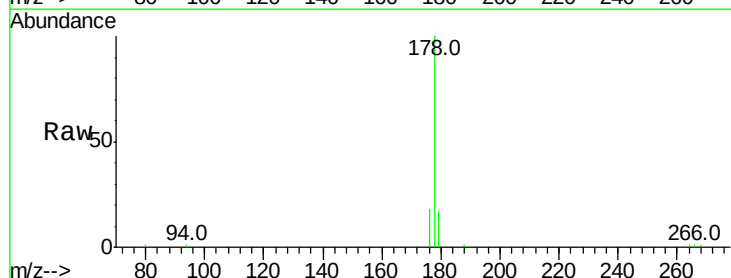
Tgt Ion:178 Resp: 8471

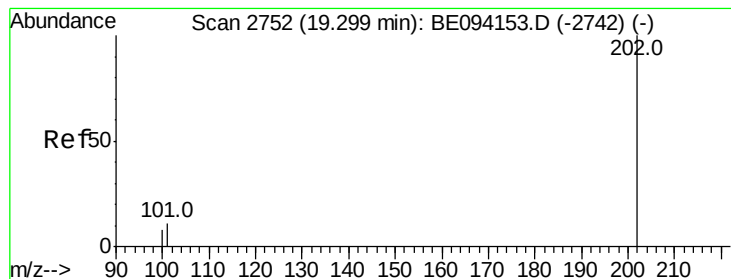
Ion Ratio Lower Upper

178 100

179 17.0 18.1 27.1#

176 17.6 14.7 22.1





#15

Fluoranthene

Concen: 0.355 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. -0.02 min

Lab File: BE094196.D

Acq: 7 Oct 2017 11:01

Instrument :

BNA_E

ClientSampleId :

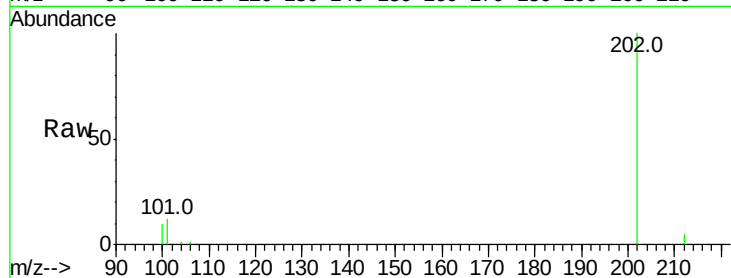
Tot Ion:202 Resp: 10184

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.3

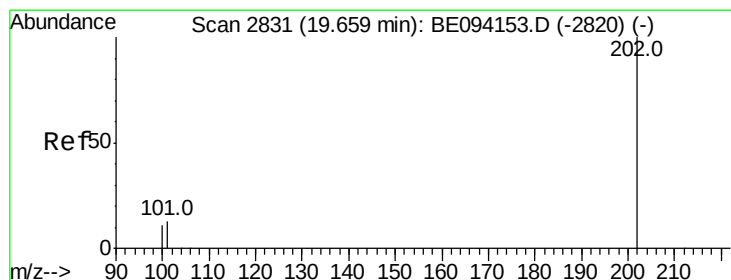
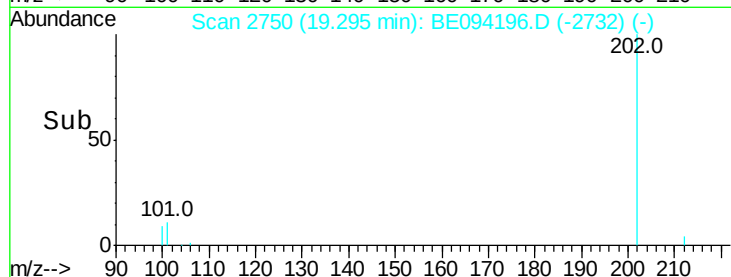
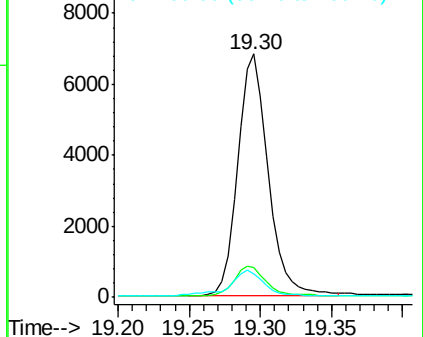
100 9.6 0.0 39.5



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): BE



#17

Pyrene

Concen: 0.425 ng/ul

RT: 19.66 min Scan# 2829

Delta R.T. -0.02 min

Lab File: BE094196.D

Acq: 7 Oct 2017 11:01

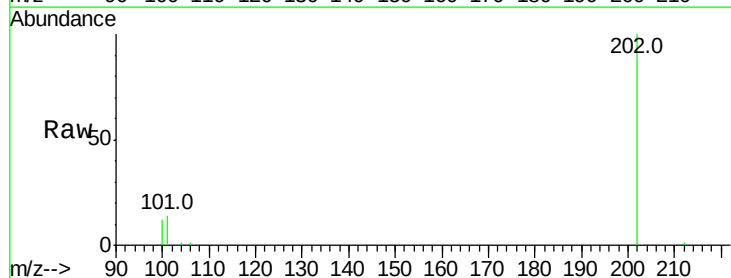
Tgt Ion:202 Resp: 10601

Ion Ratio Lower Upper

202 100

101 14.4 18.2 27.4#

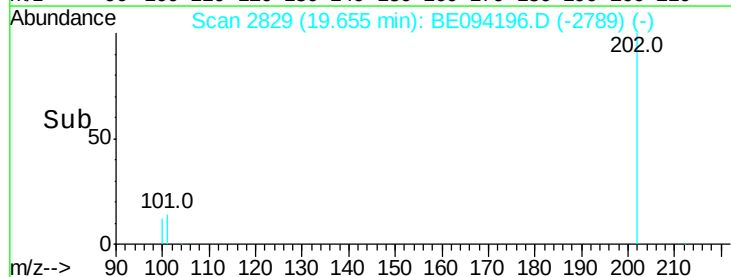
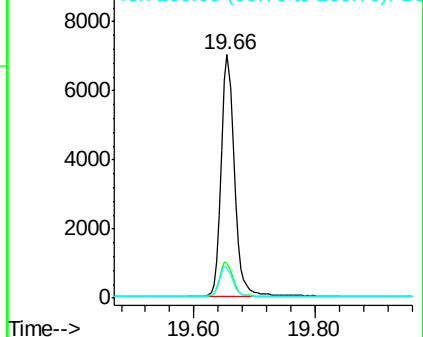
100 12.1 15.6 23.4#

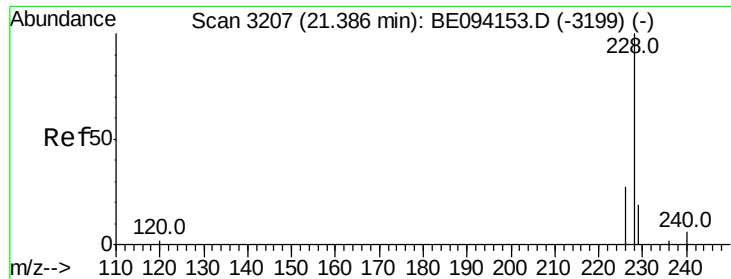


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

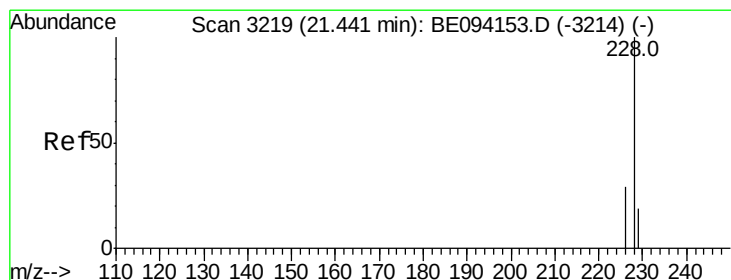
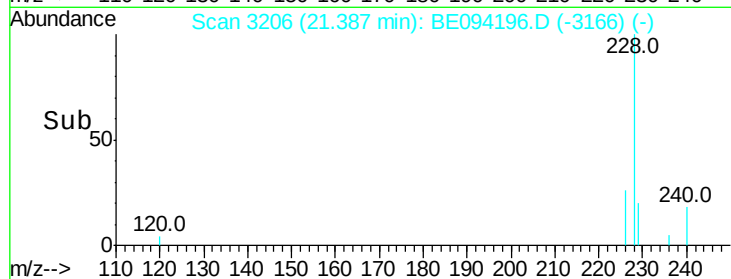
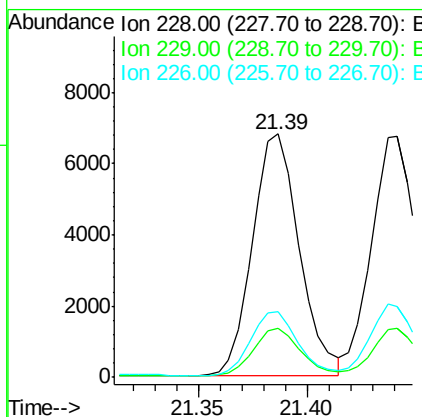
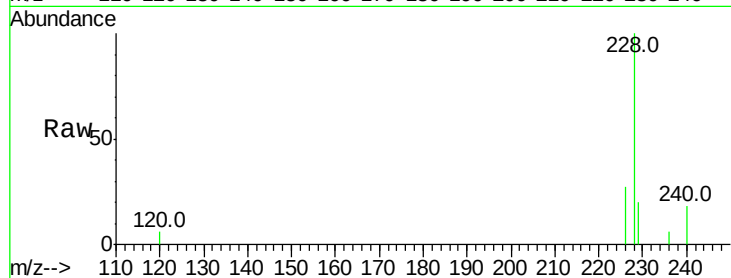




#18
Benzo(a)anthracene
Concen: 0.424 ng/ul
RT: 21.39 min Scan# 3206
Delta R.T. -0.02 min
Lab File: BE094196.D
Acq: 7 Oct 2017 11:01

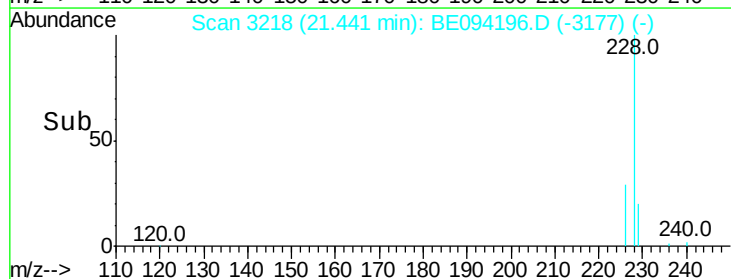
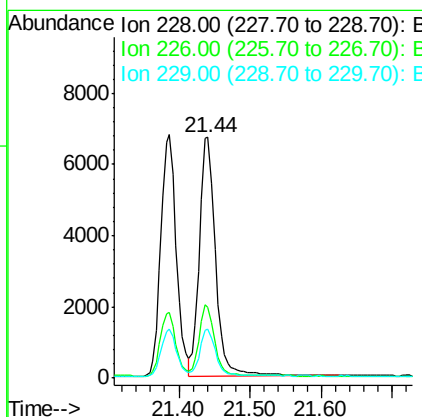
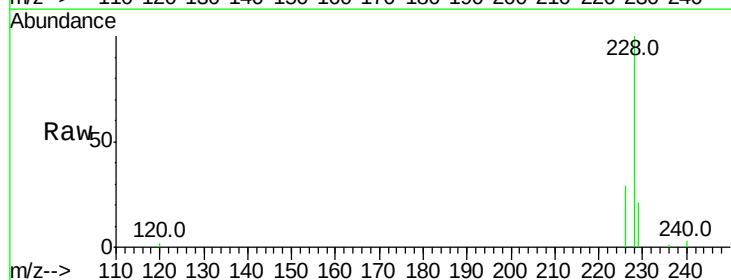
Instrument :
BNA_E
ClientSampled :

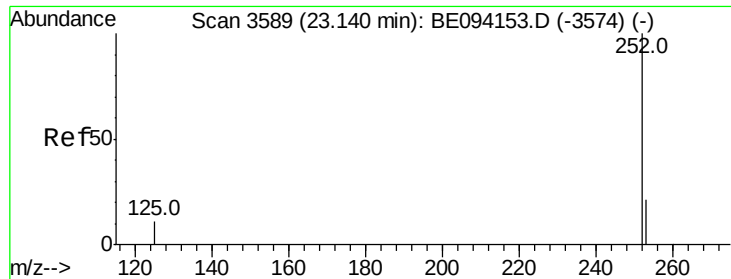
Tot Ion:228 Resp: 10085
Ion Ratio Lower Upper
228 100
229 20.4 22.8 34.2#
226 26.9 17.0 25.6#



#19
Chrysene
Concen: 0.380 ng/ul
RT: 21.44 min Scan# 3218
Delta R.T. -0.01 min
Lab File: BE094196.D
Acq: 7 Oct 2017 11:01

Tgt Ion:228 Resp: 10437
Ion Ratio Lower Upper
228 100
226 29.2 23.4 35.0
229 20.6 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.423 ng/ul

RT: 23.13 min Scan# 3586

Delta R.T. -0.02 min

Lab File: BE094196.D

Acq: 7 Oct 2017 11:01

Instrument :

BNA_E

ClientSampleId :

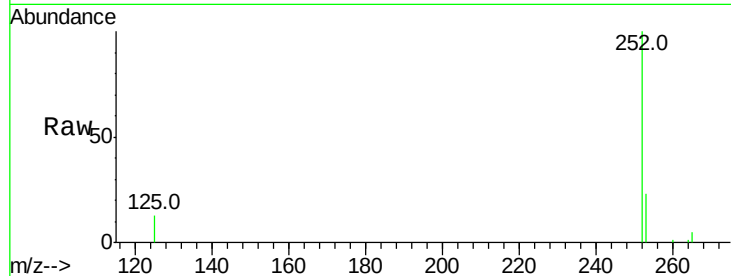
Tot Ion:252 Resp: 10096

Ion Ratio Lower Upper

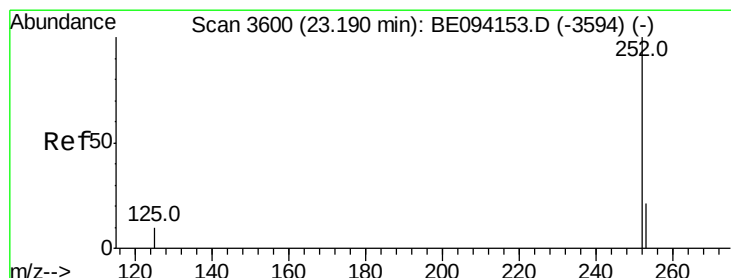
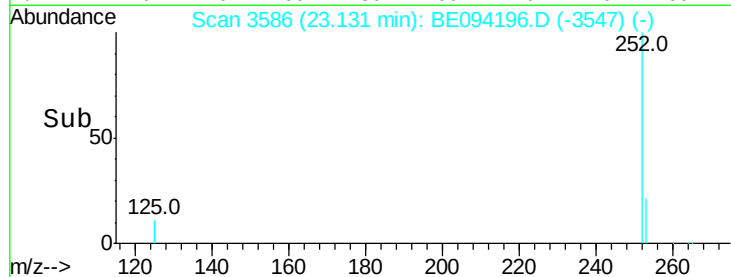
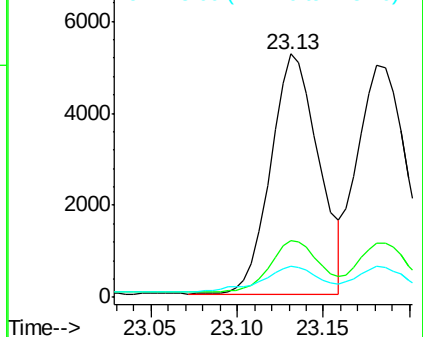
252 100

253 23.3 0.0 64.2

125 13.0 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: 0.370 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. -0.02 min

Lab File: BE094196.D

Acq: 7 Oct 2017 11:01

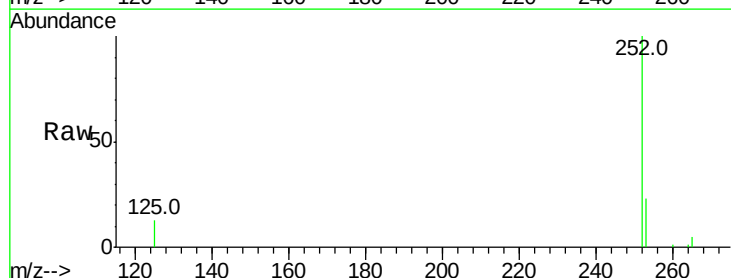
Tgt Ion:252 Resp: 10211

Ion Ratio Lower Upper

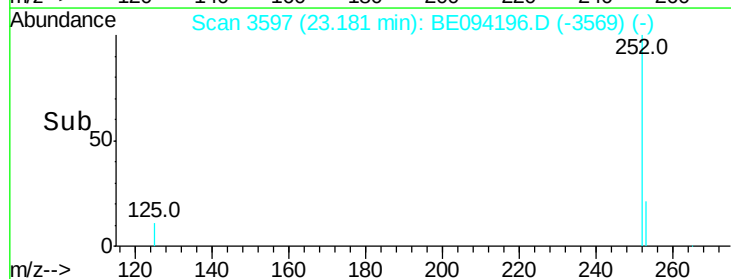
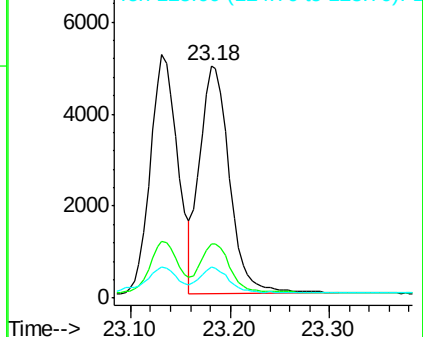
252 100

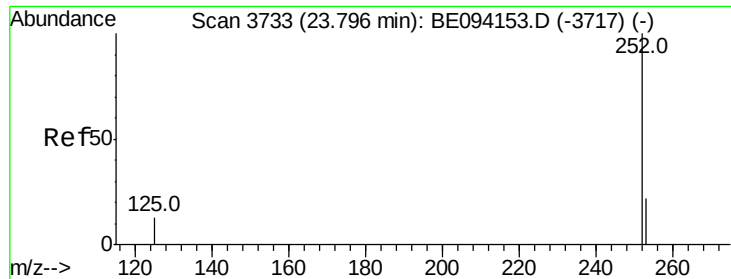
253 23.3 24.5 36.7#

125 13.4 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: 0.404 ng/ul

RT: 23.79 min Scan# 3731

Delta R.T. -0.02 min

Lab File: BE094196.D

Acq: 7 Oct 2017 11:01

Instrument :

BNA_E

ClientSampleId :

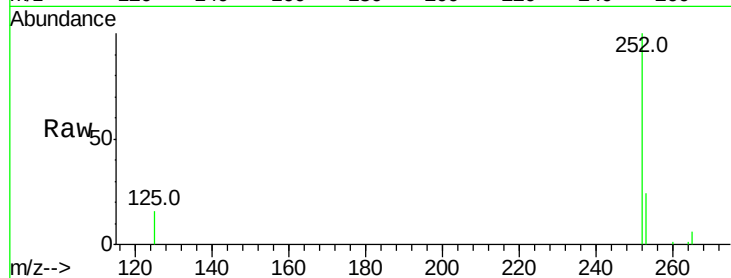
Tot Ion:252 Resp: 10020

Ion Ratio Lower Upper

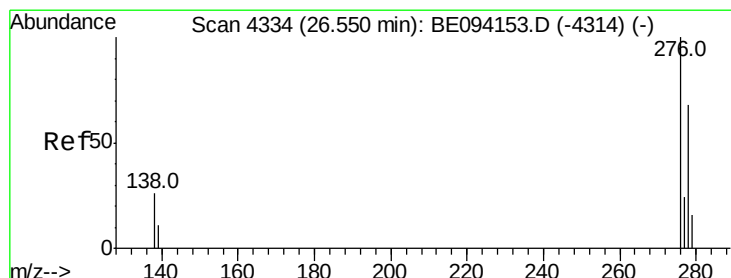
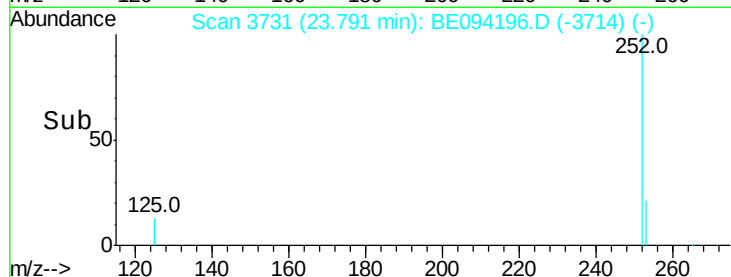
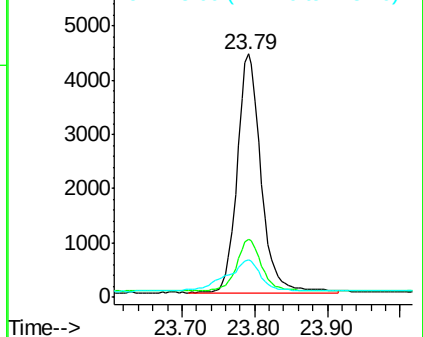
252 100

253 23.6 28.5 42.7#

125 15.5 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: 0.425 ng/ul

RT: 26.55 min Scan# 4332

Delta R.T. -0.04 min

Lab File: BE094196.D

Acq: 7 Oct 2017 11:01

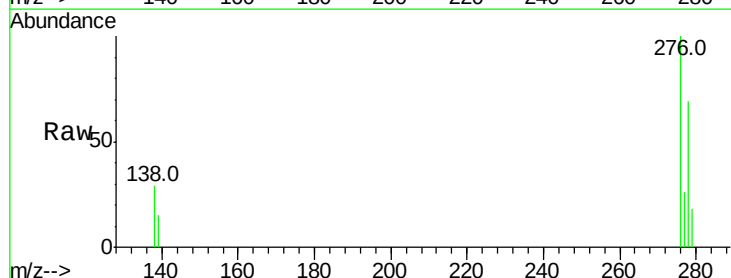
Tgt Ion:276 Resp: 10767

Ion Ratio Lower Upper

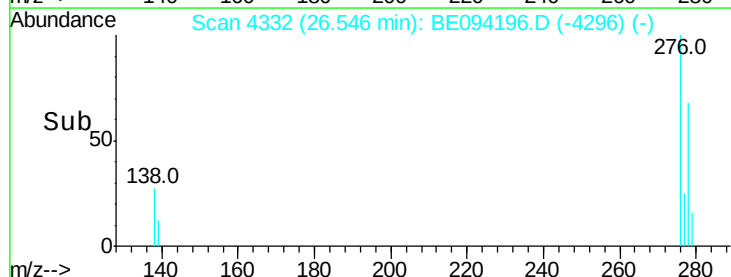
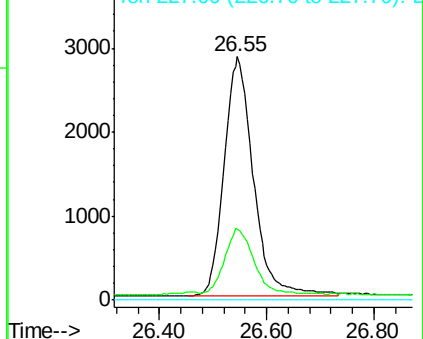
276 100

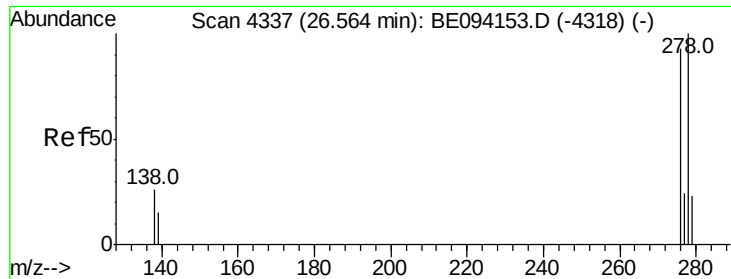
138 27.0 28.0 42.0#

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

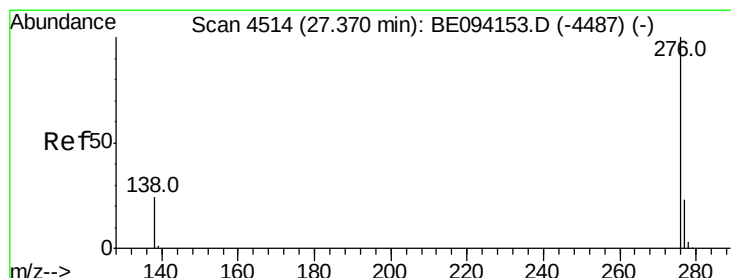
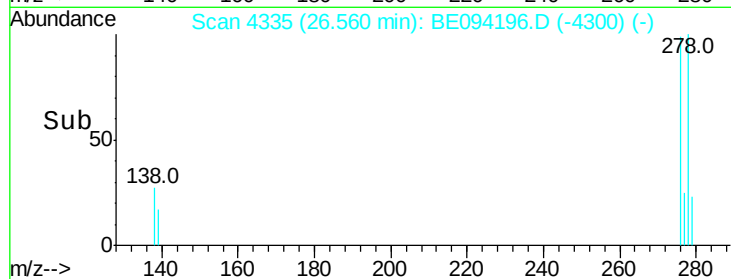
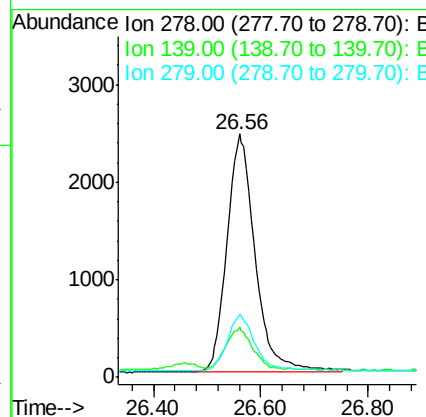
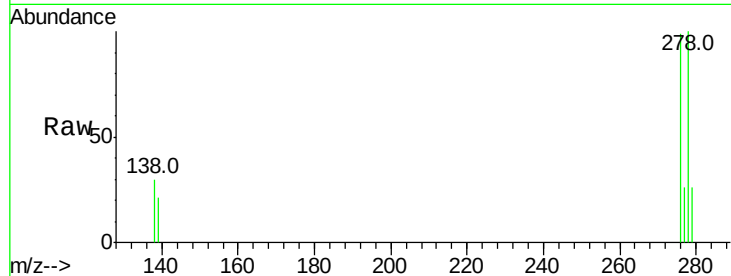




#25
Dibenzo(a,h)anthracene
Concen: 0.423 ng/ul
RT: 26.56 min Scan# 4335
Delta R.T. -0.04 min
Lab File: BE094196.D
Acq: 7 Oct 2017 11:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 9000
Ion Ratio Lower Upper
278 100
139 20.6 17.4 26.0
279 25.8 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.416 ng/ul
RT: 27.36 min Scan# 4510
Delta R.T. -0.04 min
Lab File: BE094196.D
Acq: 7 Oct 2017 11:01

Tgt Ion:276 Resp: 9085
Ion Ratio Lower Upper
276 100
138 26.0 21.8 32.8
277 24.8 20.5 30.7

