

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE111017\
 Data File : BE094795.D
 Acq On : 9 Nov 2017 9:09
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 09 12:49:02 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 07 01:37:48 2017
 Response via : Initial Calibration

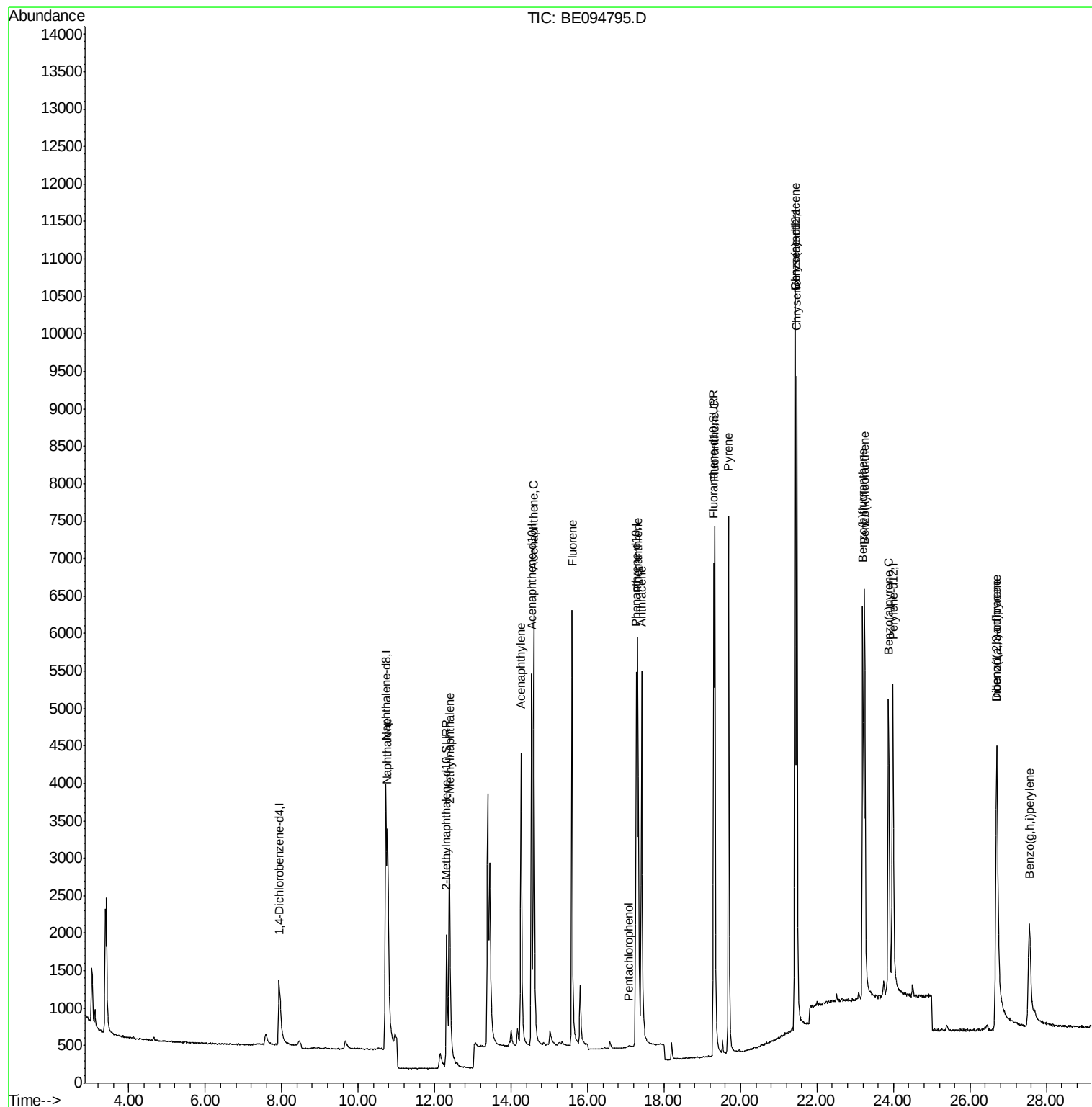
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	1205	0.40	ng/ul	0.01
2) Naphthalene-d8	10.72	136	7319	0.40	ng/ul	0.02
6) Acenaphthene-d10	14.53	164	3946	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	8458	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	8800	0.40	ng/ul	0.00
20) Perylene-d12	23.98	264	8167	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.31	152	4315	0.36	ng/ul	0.01
14) Fluoranthene-d10	19.30	212	9597	0.38	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.77	128	6567	0.367	ng/ul#	94
5) 2-Methylnaphthalene	12.38	142	4367	0.349	ng/ul	100
7) Acenaphthylene	14.26	152	6660	0.373	ng/ul	98
8) Acenaphthene	14.59	153	4764	0.371	ng/ul	96
9) Fluorene	15.59	166	5198	0.361	ng/ul#	92
11) Pentachlorophenol	17.07	266	105	0.249	ng/ul#	88
12) Phenanthrene	17.31	178	8073	0.361	ng/ul#	88
13) Anthracene	17.41	178	8087	0.367	ng/ul#	93
15) Fluoranthene	19.33	202	9794	0.379	ng/ul	83
17) Pyrene	19.69	202	10467	0.385	ng/ul#	81
18) Benzo(a)anthracene	21.42	228	9596	0.381	ng/ul#	87
19) Chrysene	21.48	228	9859	0.379	ng/ul	100
21) Benzo(b)fluoranthene	23.20	252	8583	0.374	ng/ul	91
22) Benzo(k)fluoranthene	23.25	252	9336	0.379	ng/ul	93
23) Benzo(a)pyrene	23.87	252	8482	0.369	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	26.71	276	6961	0.293	ng/ul#	81
25) Dibenzo(a,h)anthracene	26.70	278	6101	0.305	ng/ul	95
26) Benzo(g,h,i)perylene	27.55	276	4900	0.257	ng/ul#	89

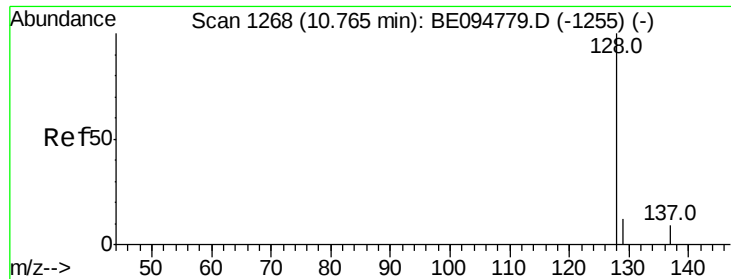
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.367 ng/ul

RT: 10.77 min Scan# 1269

Delta R.T. 0.01 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

Instrument :

BNA_E

ClientSampleId :

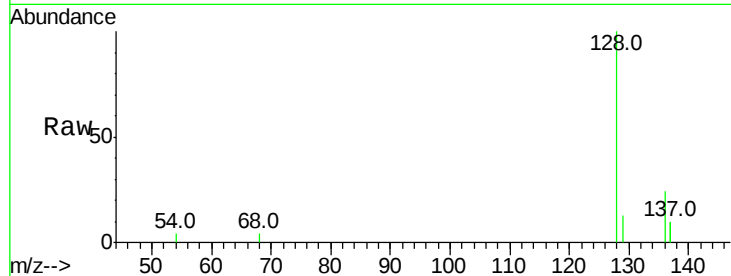
Tot Ion:128 Resp: 6567

Ion Ratio Lower Upper

128 100

129 13.2 11.3 16.9

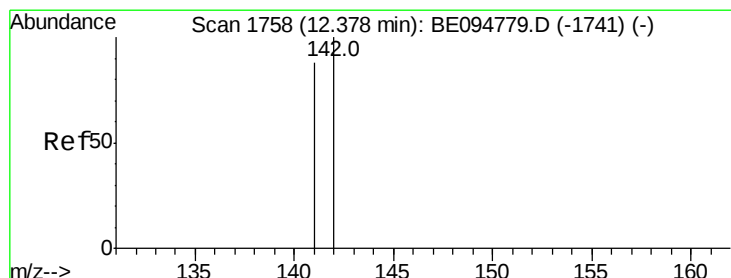
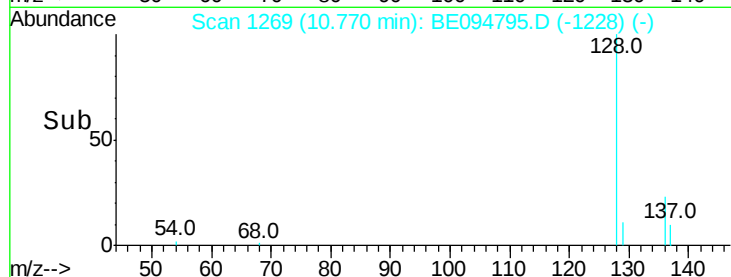
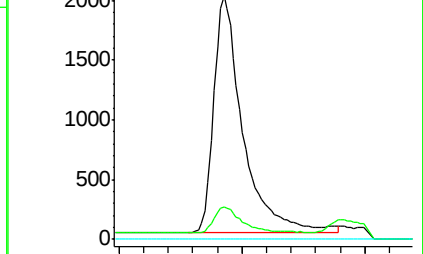
127 0.0 4.0 6.0#



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: 0.349 ng/ul

RT: 12.38 min Scan# 1760

Delta R.T. 0.01 min

Lab File: BE094795.D

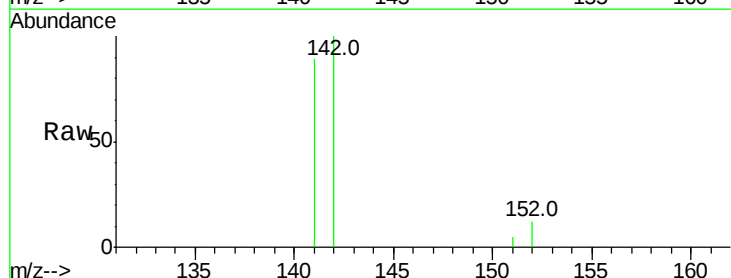
Acq: 9 Nov 2017 9:09

Tgt Ion:142 Resp: 4367

Ion Ratio Lower Upper

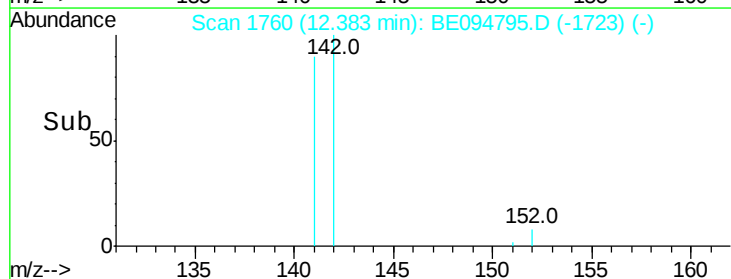
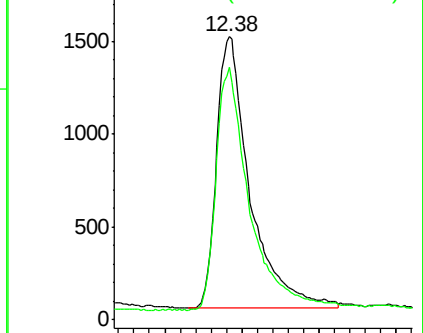
142 100

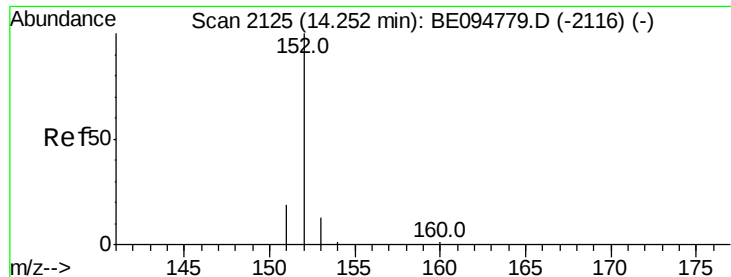
141 90.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.373 ng/ul

RT: 14.26 min Scan# 2126

Delta R.T. 0.01 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

Instrument :

BNA_E

ClientSampleId :

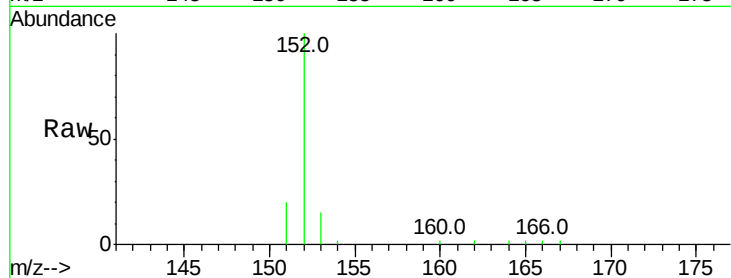
Tot Ion:152 Resp: 6660

Ion Ratio Lower Upper

152 100

151 20.4 17.1 25.7

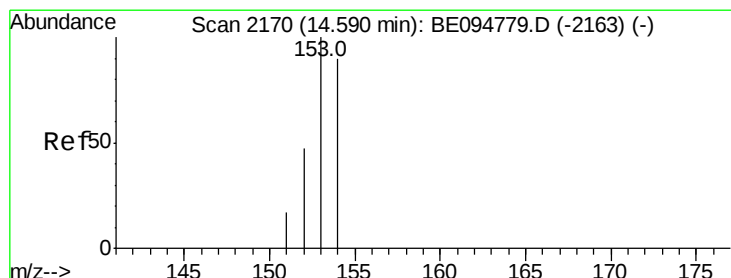
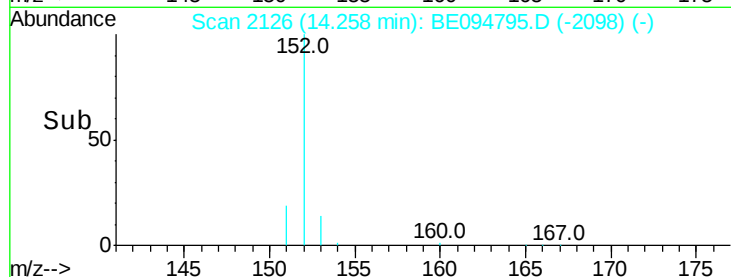
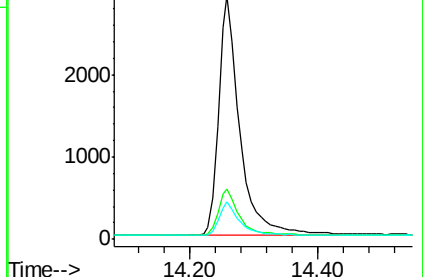
153 15.2 12.8 19.2



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: 0.371 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

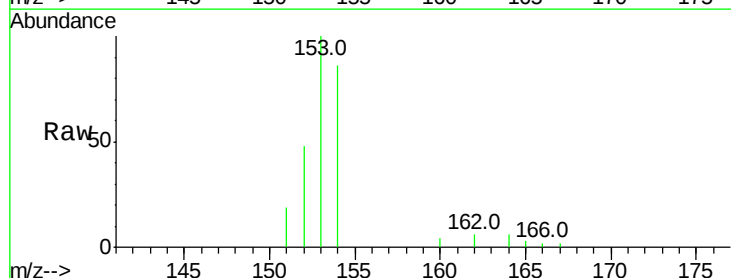
Tgt Ion:153 Resp: 4764

Ion Ratio Lower Upper

153 100

152 48.0 36.0 54.0

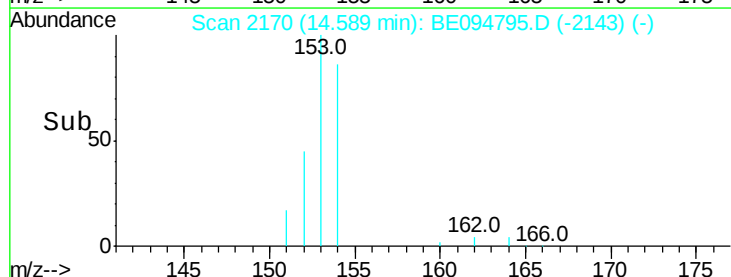
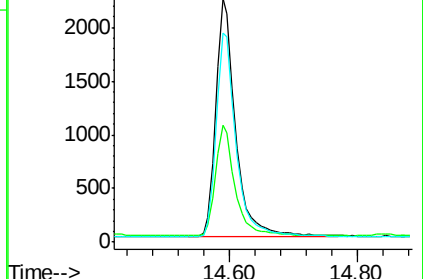
154 85.9 72.0 108.0

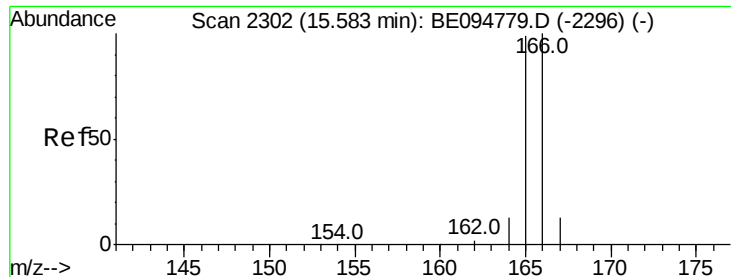


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.361 ng/ul

RT: 15.59 min Scan# 2303

Delta R.T. 0.01 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

Instrument :

BNA_E

ClientSampleId :

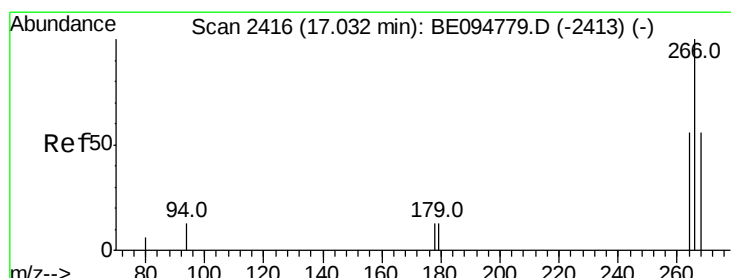
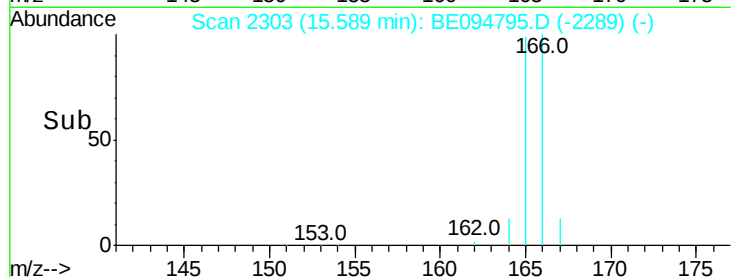
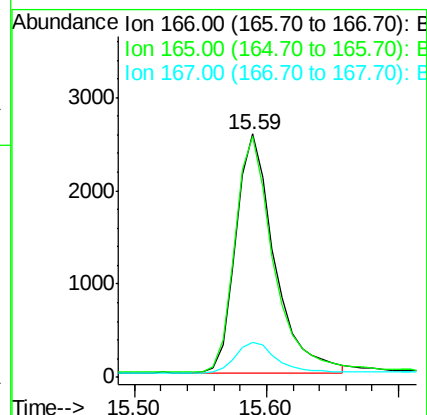
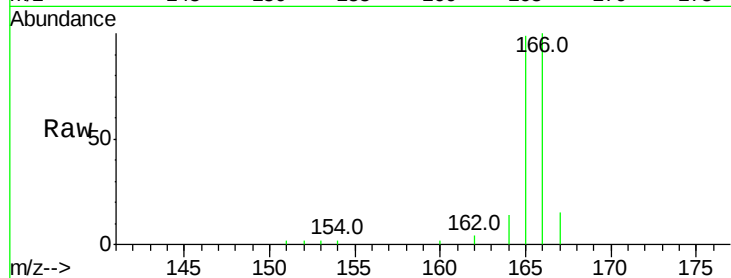
Tot Ion:166 Resp: 5198

Ion Ratio Lower Upper

166 100

165 98.9 73.4 110.2

167 14.6 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.249 ng/ul

RT: 17.07 min Scan# 2418

Delta R.T. 0.02 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

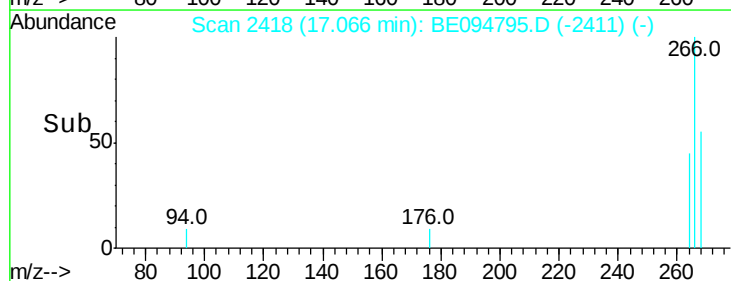
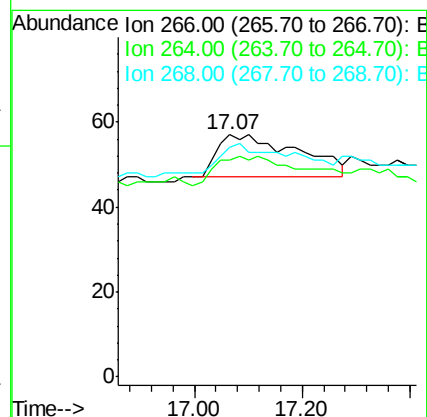
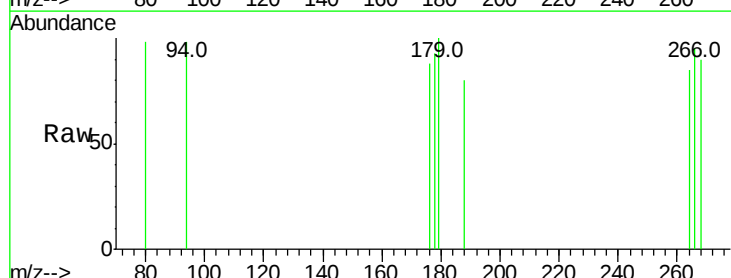
Tgt Ion:266 Resp: 105

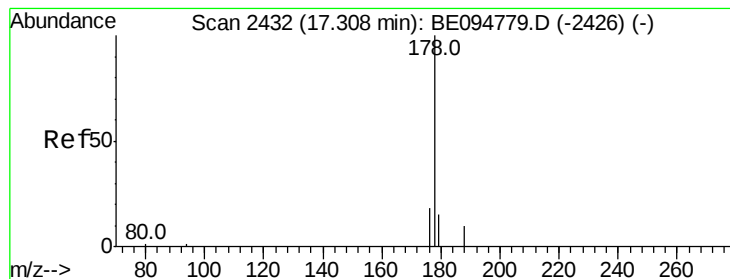
Ion Ratio Lower Upper

266 100

264 75.2 47.9 71.9#

268 59.0 49.8 74.8





#12

Phenanthrene

Concen: 0.361 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

Instrument :

BNA_E

ClientSampleId :

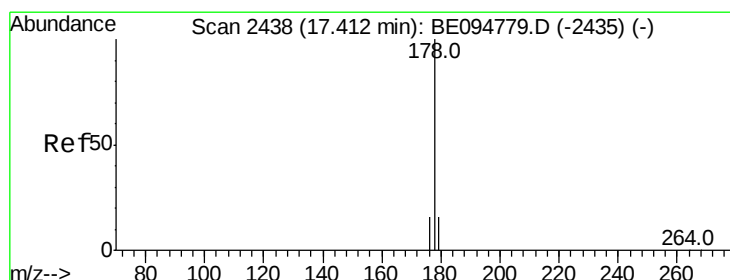
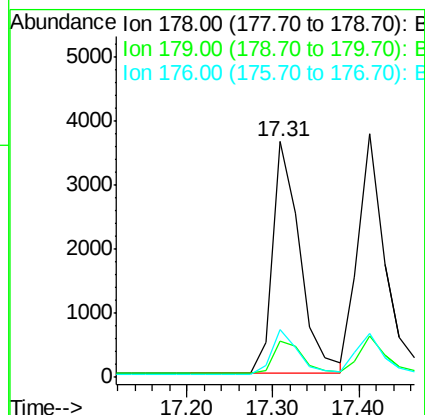
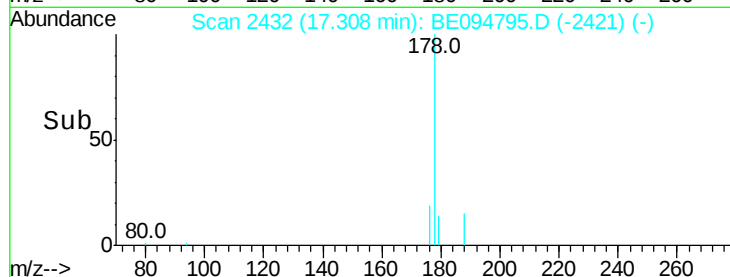
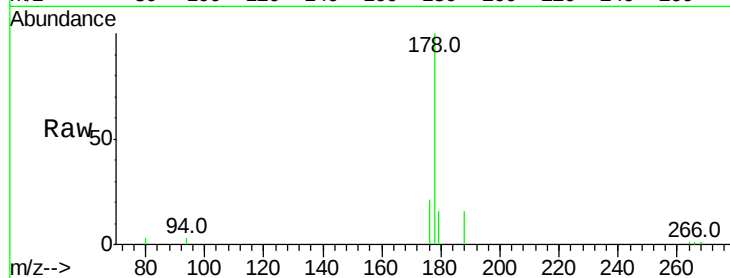
Tot Ion:178 Resp: 8073

Ion Ratio Lower Upper

178 100

179 15.6 18.4 27.6#

176 20.5 13.6 20.4#



#13

Anthracene

Concen: 0.367 ng/ul

RT: 17.41 min Scan# 2438

Delta R.T. 0.02 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

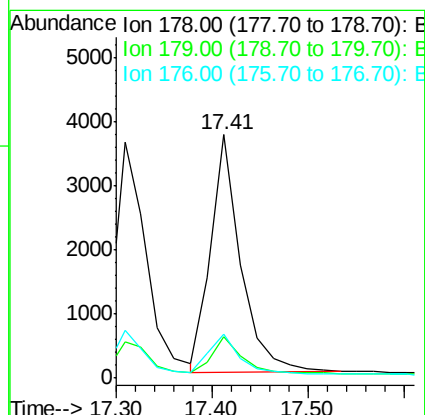
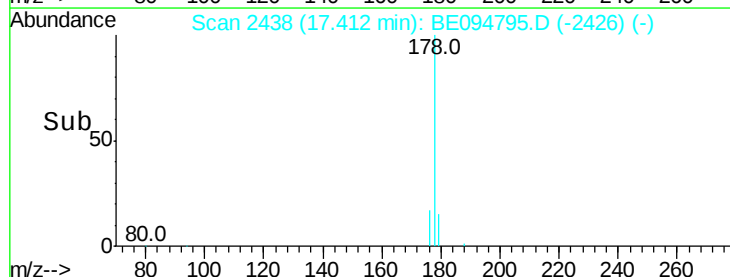
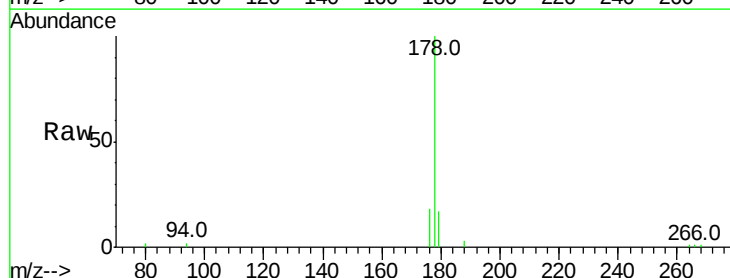
Tgt Ion:178 Resp: 8087

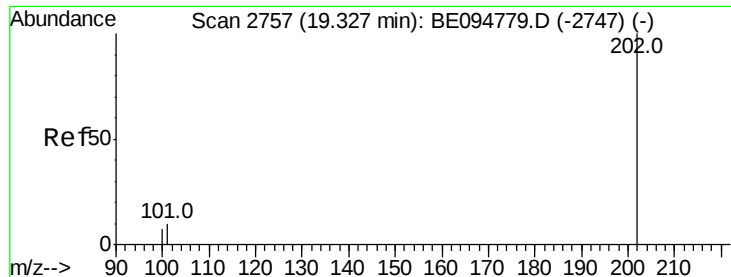
Ion Ratio Lower Upper

178 100

179 16.8 18.1 27.1#

176 18.2 14.7 22.1





#15

Fluoranthene

Concen: 0.379 ng/ul

RT: 19.33 min Scan# 2757

Delta R.T. 0.01 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

Instrument :

BNA_E

ClientSampleId :

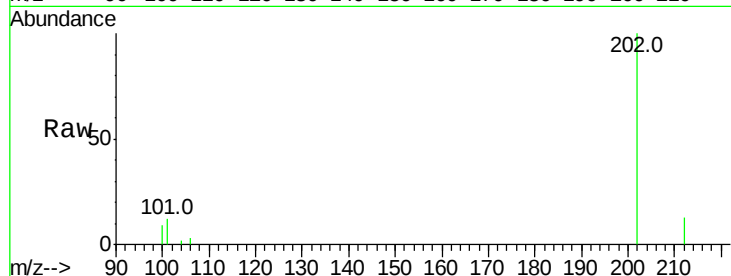
Tot Ion:202 Resp: 9794

Ion Ratio Lower Upper

202 100

101 11.9 0.0 30.3

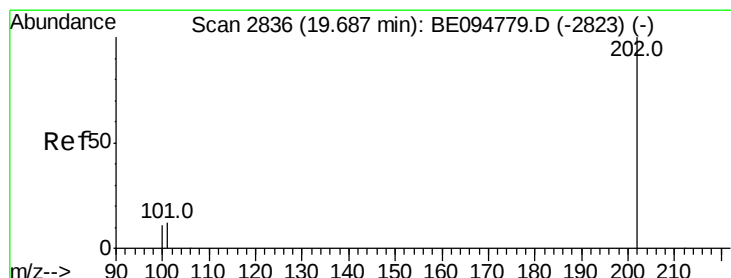
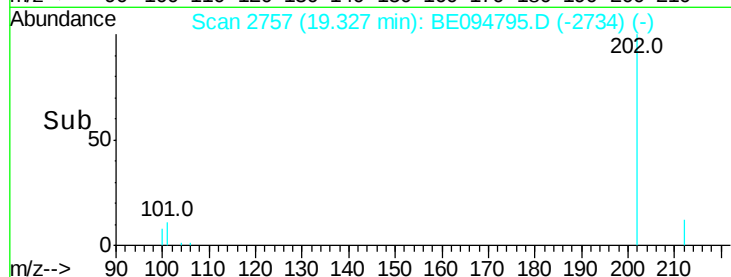
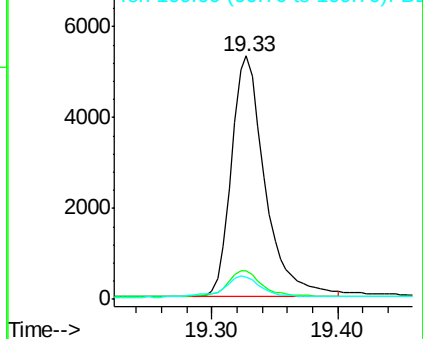
100 8.9 0.0 39.5



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: 0.385 ng/ul

RT: 19.69 min Scan# 2836

Delta R.T. 0.01 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

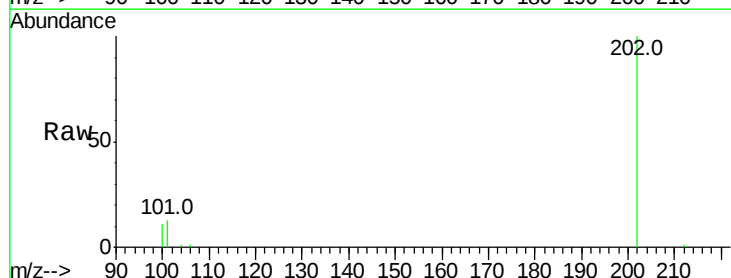
Tgt Ion:202 Resp: 10467

Ion Ratio Lower Upper

202 100

101 13.5 18.2 27.4#

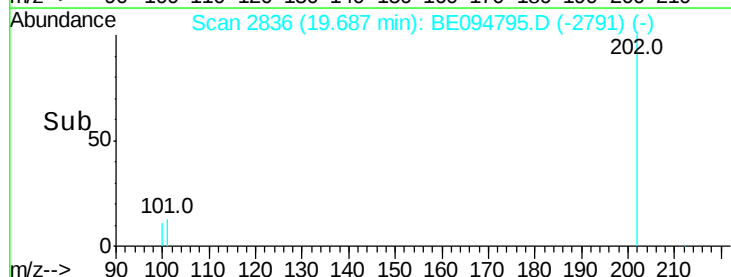
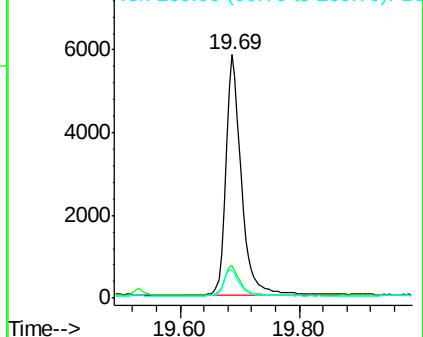
100 11.3 15.6 23.4#

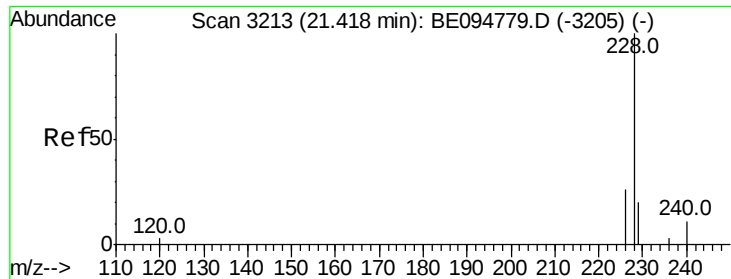


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.381 ng/ul

RT: 21.42 min Scan# 3213

Delta R.T. 0.00 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

Instrument :

BNA_E

ClientSampleId :

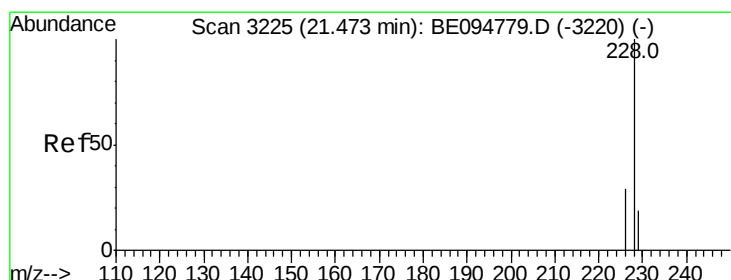
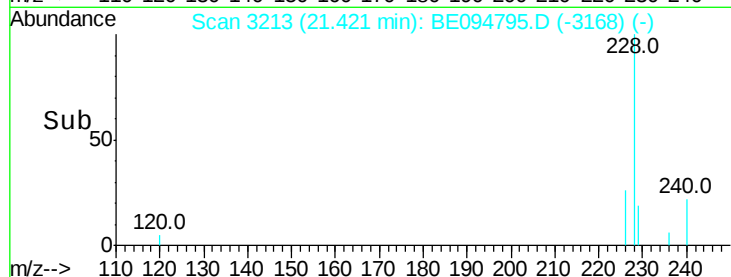
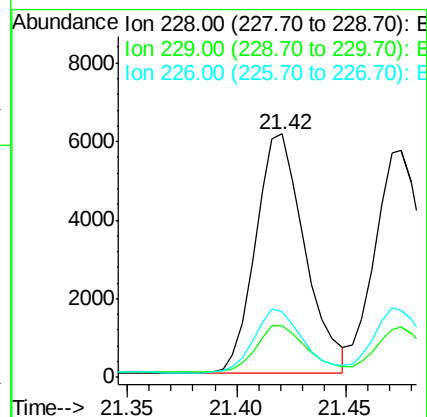
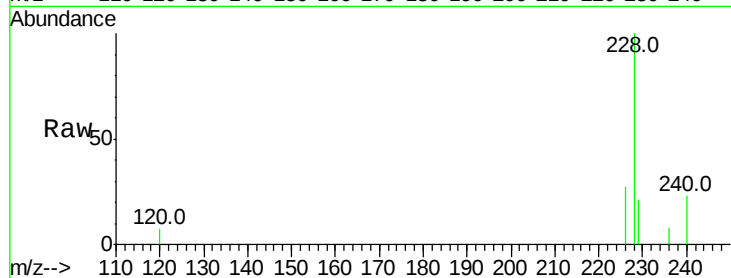
Tot Ion:228 Resp: 9596

Ion Ratio Lower Upper

228 100

229 21.2 22.8 34.2#

226 27.2 17.0 25.6#



#19

Chrysene

Concen: 0.379 ng/ul

RT: 21.48 min Scan# 3225

Delta R.T. 0.00 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

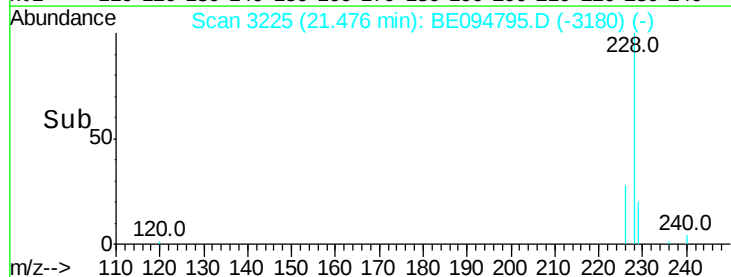
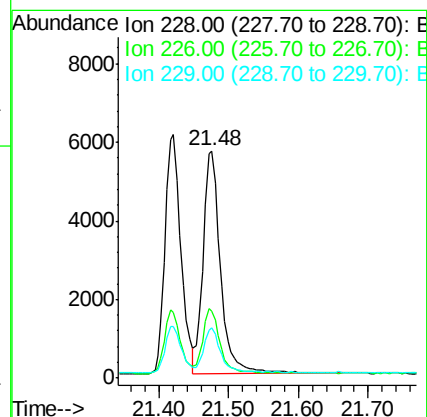
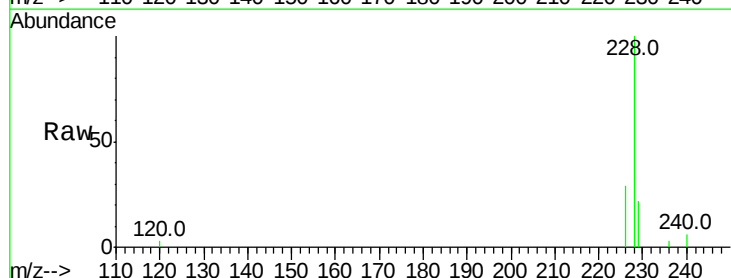
Tgt Ion:228 Resp: 9859

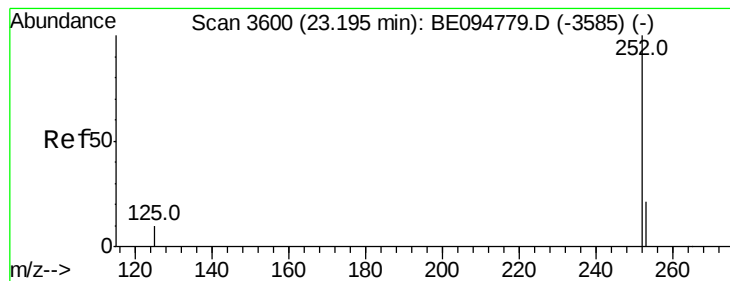
Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.0

229 21.9 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.374 ng/u1

RT: 23.20 min Scan# 3600

Delta R.T. 0.01 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

Instrument :

BNA_E

ClientSampleId :

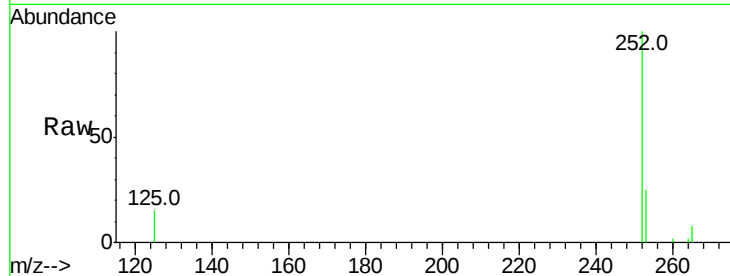
Tot Ion:252 Resp: 8583

Ion Ratio Lower Upper

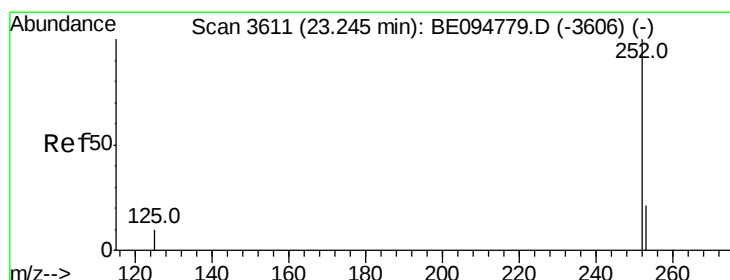
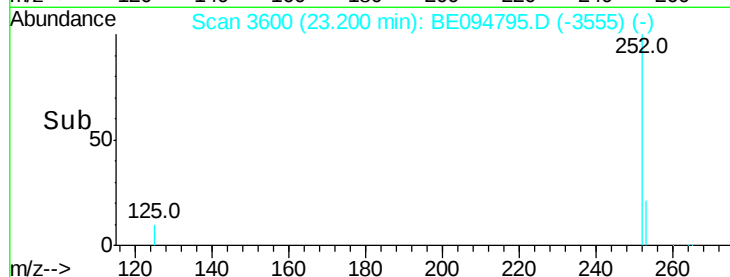
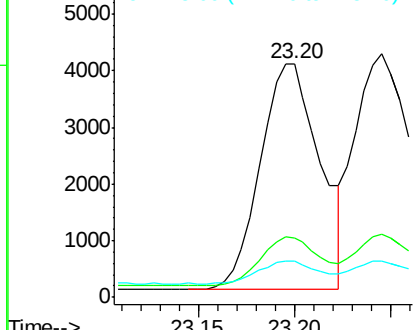
252 100

253 25.5 0.0 64.2

125 15.4 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: 0.379 ng/u1

RT: 23.25 min Scan# 3610

Delta R.T. 0.01 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

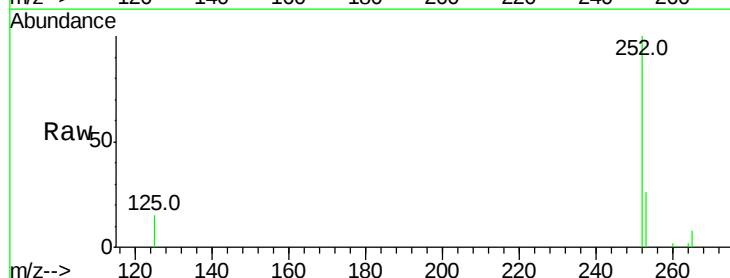
Tgt Ion:252 Resp: 9336

Ion Ratio Lower Upper

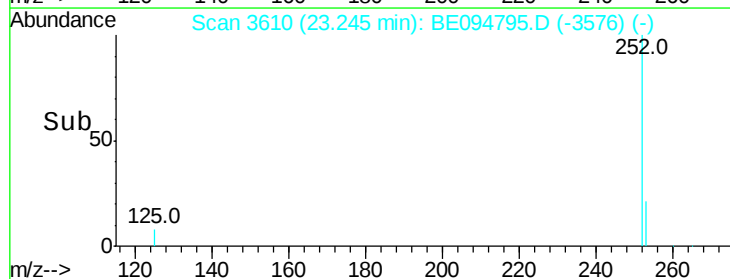
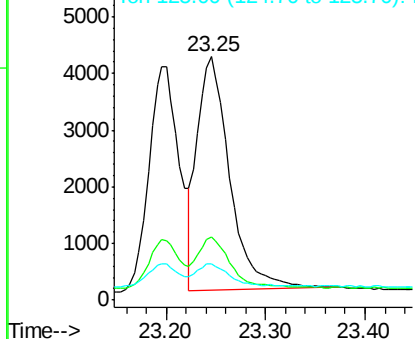
252 100

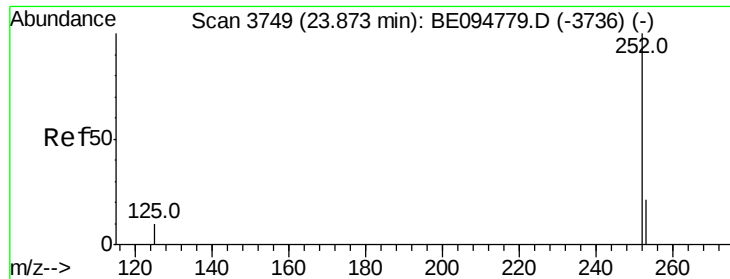
253 26.0 24.5 36.7

125 15.0 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: 0.369 ng/u1

RT: 23.87 min Scan# 3747

Delta R.T. 0.01 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

Instrument :

BNA_E

ClientSampleId :

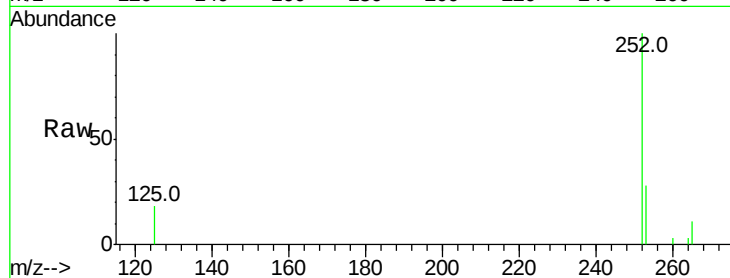
Tot Ion:252 Resp: 8482

Ion Ratio Lower Upper

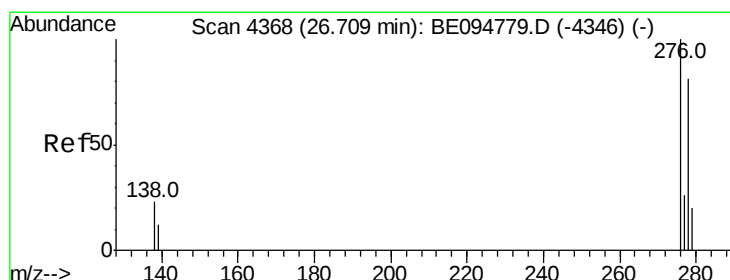
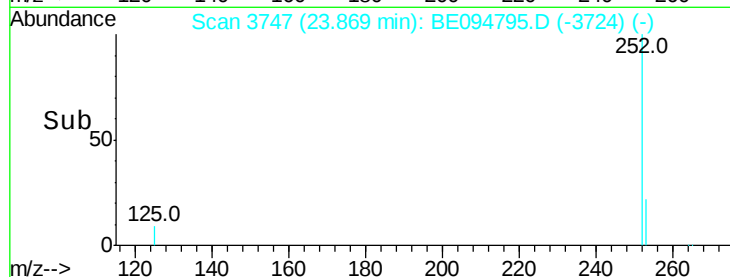
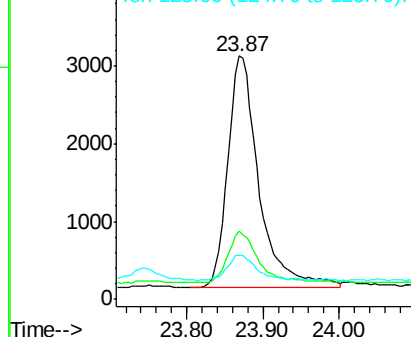
252 100

253 27.8 28.5 42.7#

125 18.2 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: 0.293 ng/u1

RT: 26.71 min Scan# 4366

Delta R.T. 0.01 min

Lab File: BE094795.D

Acq: 9 Nov 2017 9:09

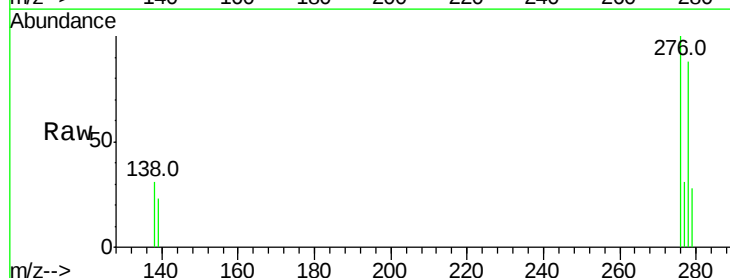
Tgt Ion:276 Resp: 6961

Ion Ratio Lower Upper

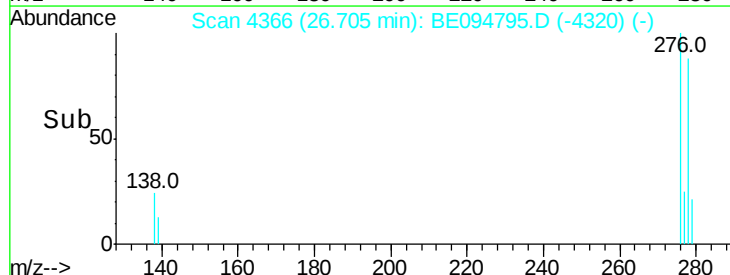
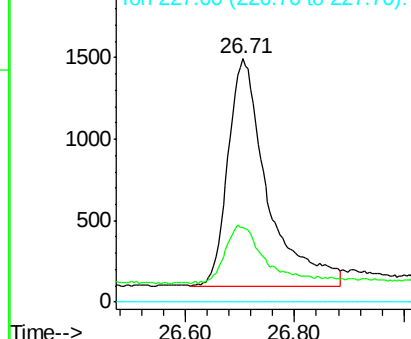
276 100

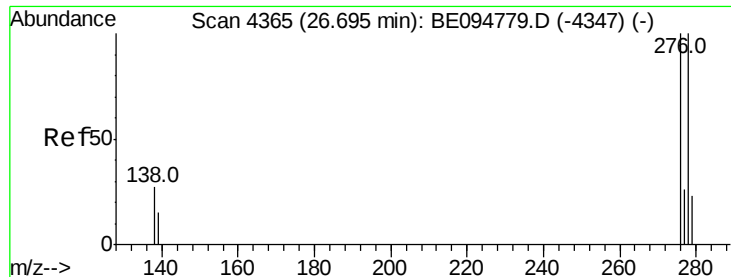
138 25.6 28.0 42.0#

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

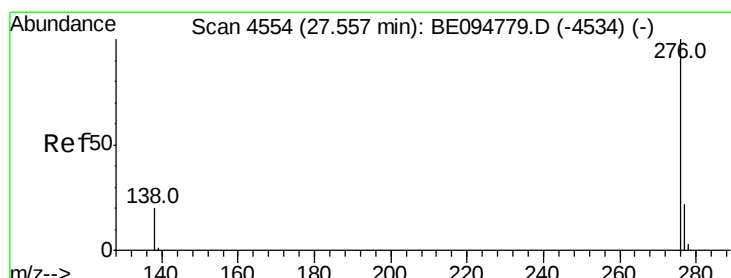
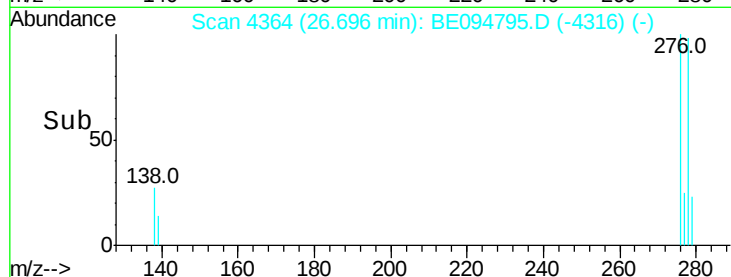
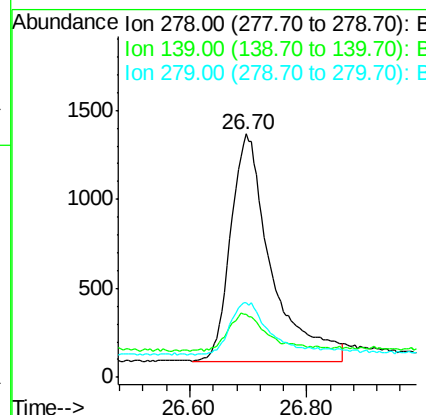
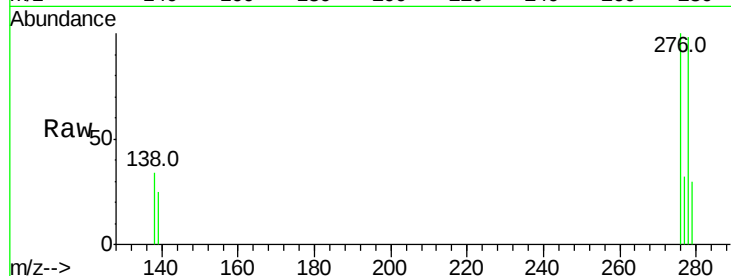




#25
Dibenzo(a,h)anthracene
Concen: 0.305 ng/ul
RT: 26.70 min Scan# 4364
Delta R.T. 0.02 min
Lab File: BE094795.D
Acq: 9 Nov 2017 9:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 6101
Ion Ratio Lower Upper
278 100
139 25.9 17.4 26.0
279 30.8 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.257 ng/ul
RT: 27.55 min Scan# 4552
Delta R.T. 0.02 min
Lab File: BE094795.D
Acq: 9 Nov 2017 9:09

Tgt Ion:276 Resp: 4900
Ion Ratio Lower Upper
276 100
138 32.0 21.8 32.8
277 31.9 20.5 30.7#

