

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094249.D
 Acq On : 10 Oct 2017 9:07
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 06:30:35 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 09:18:40 2017
 Response via : Initial Calibration

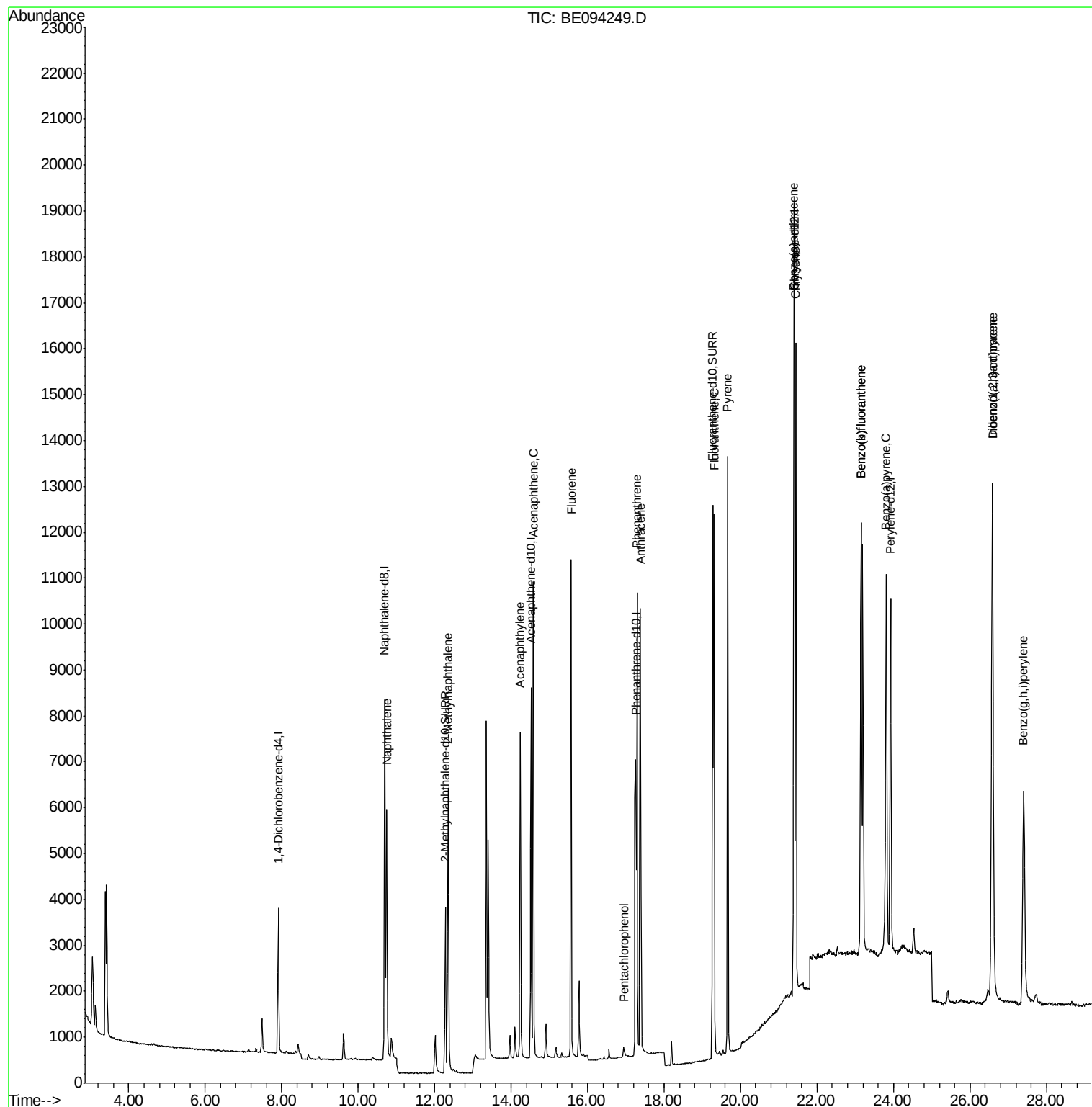
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1735	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	9074	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5049	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11083	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	11879	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	11689	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	5720	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	13962	0.38	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	8783	0.395	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	6036	0.419	ng/ul	99
7) Acenaphthylene	14.24	152	9202	0.467	ng/ul	97
8) Acenaphthene	14.58	153	6479	0.400	ng/ul	98
9) Fluorene	15.57	166	7342	0.387	ng/ul#	94
11) Pentachlorophenol	16.95	266	341	0.262	ng/ul	91
12) Phenanthrene	17.29	178	11778	0.407	ng/ul#	91
13) Anthracene	17.38	178	11821	0.420	ng/ul#	91
15) Fluoranthene	19.30	202	14297	0.376	ng/ul	84
17) Pyrene	19.66	202	15001	0.454	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	14193	0.450	ng/ul#	87
19) Chrysene	21.45	228	13714	0.377	ng/ul	96
21) Benzo(b)fluoranthene	23.15	252	13274	0.418	ng/ul	93
22) Benzo(k)fluoranthene	23.15	252	13274	0.362	ng/ul	94
23) Benzo(a)pyrene	23.81	252	13157	0.399	ng/ul	90
24) Indeno(1,2,3-cd)pyrene	26.58	276	14532	0.431	ng/ul#	85
25) Dibenzo(a,h)anthracene	26.59	278	12227	0.432	ng/ul#	94
26) Benzo(g,h,i)perylene	27.40	276	12065	0.414	ng/ul	92

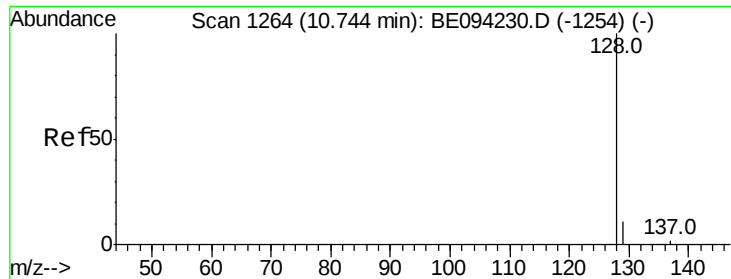
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.395 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094249.D

Acq: 10 Oct 2017 9:07

Instrument :

BNA_E

ClientSampleId :

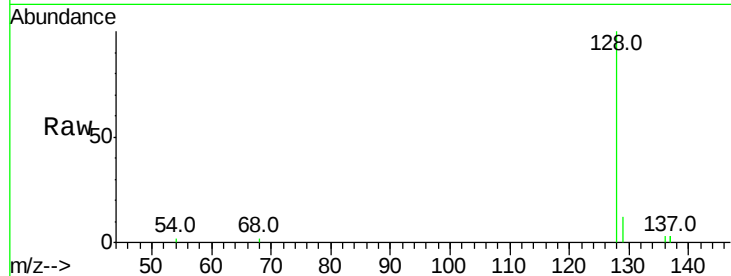
Tot Ion:128 Resp: 8783

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

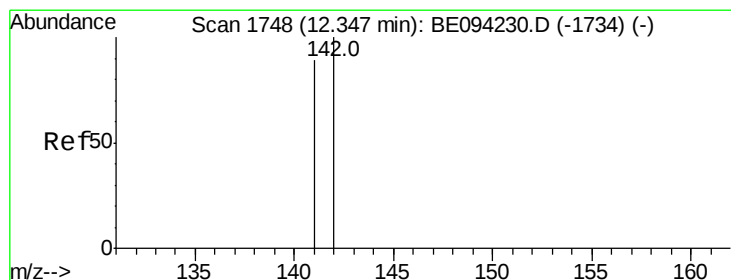
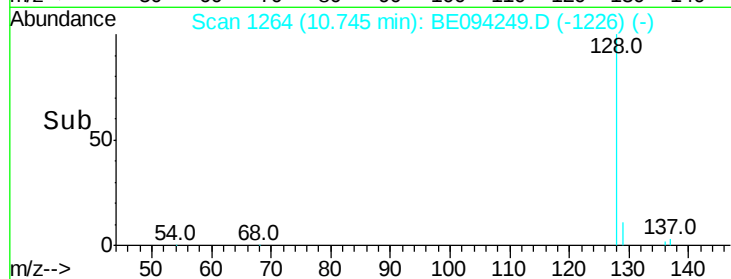
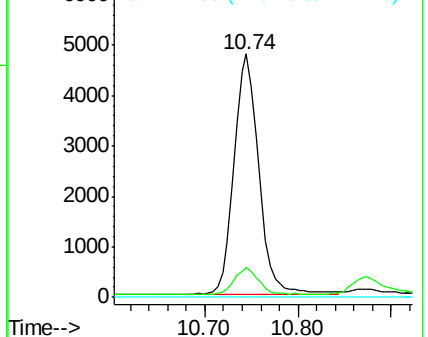
127 0.0 4.0 6.0#



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: 0.419 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.00 min

Lab File: BE094249.D

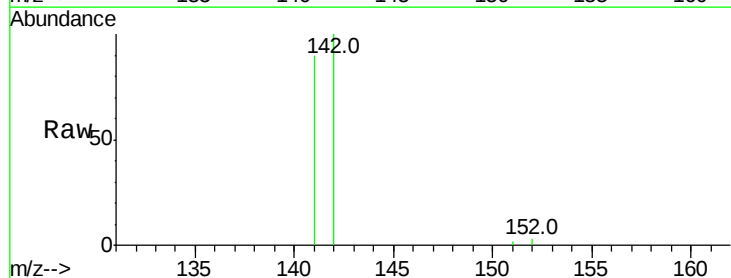
Acq: 10 Oct 2017 9:07

Tgt Ion:142 Resp: 6036

Ion Ratio Lower Upper

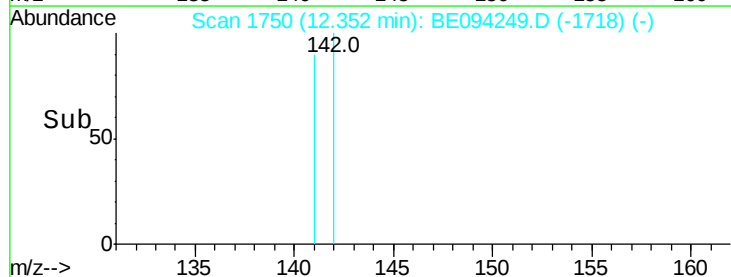
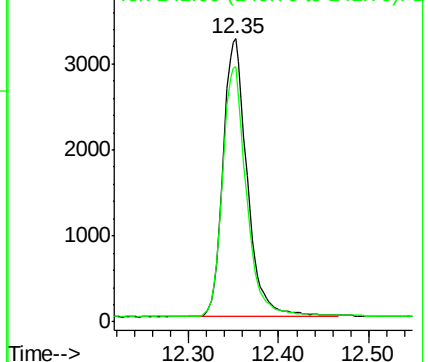
142 100

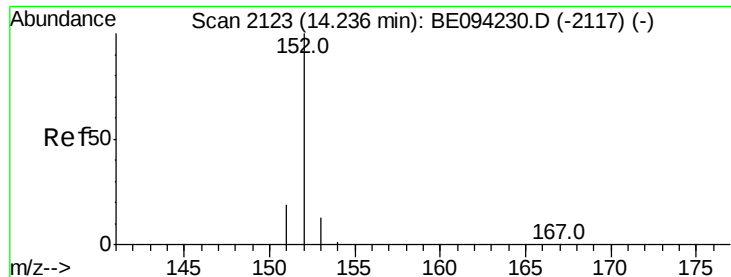
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.467 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094249.D

Acq: 10 Oct 2017 9:07

Instrument :

BNA_E

ClientSampleId :

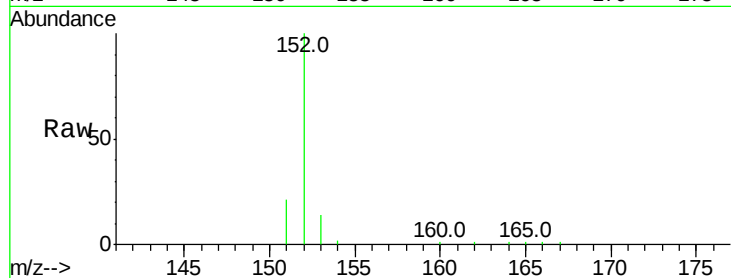
Tot Ion:152 Resp: 9202

Ion Ratio Lower Upper

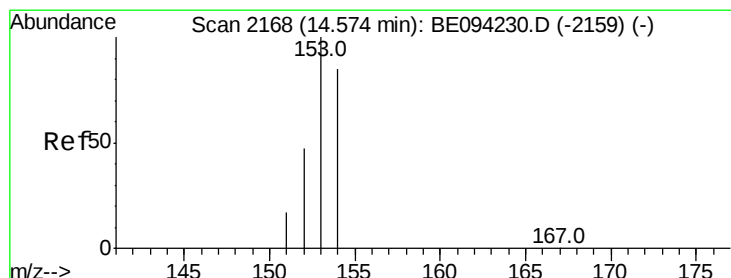
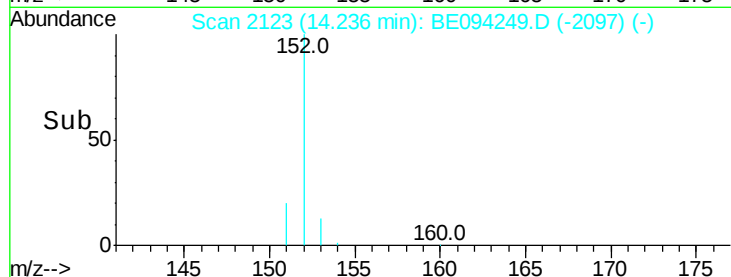
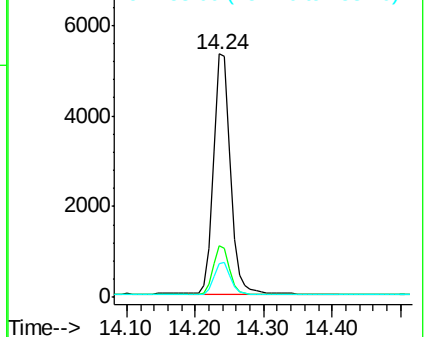
152 100

151 21.0 17.1 25.7

153 14.0 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: 0.400 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BE094249.D

Acq: 10 Oct 2017 9:07

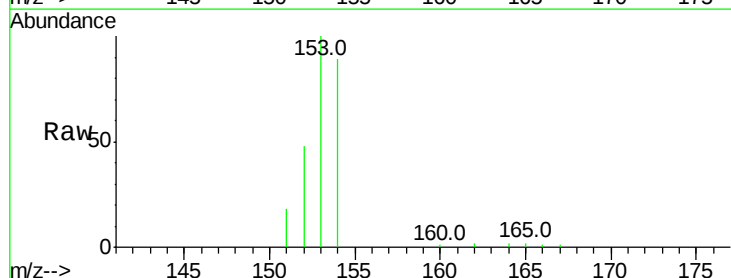
Tgt Ion:153 Resp: 6479

Ion Ratio Lower Upper

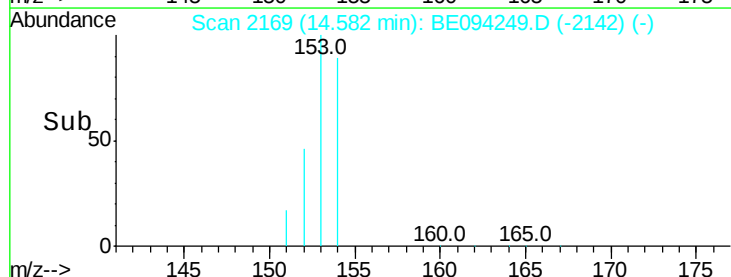
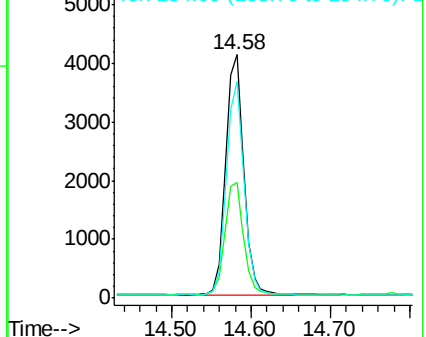
153 100

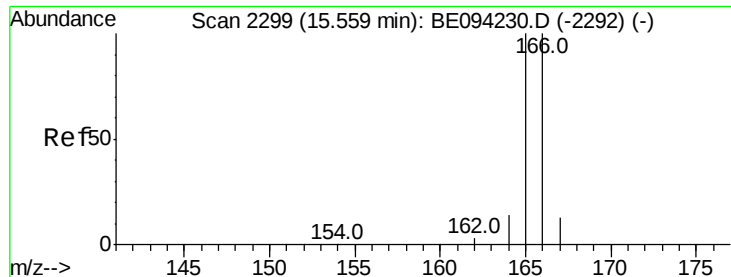
152 47.6 40.3 60.5

154 88.9 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: 0.387 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BE094249.D

Acq: 10 Oct 2017 9:07

Instrument :

BNA_E

ClientSampleId :

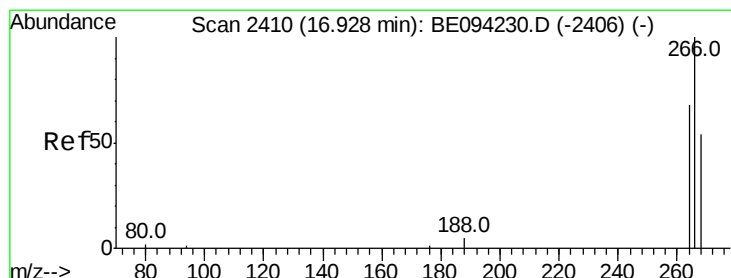
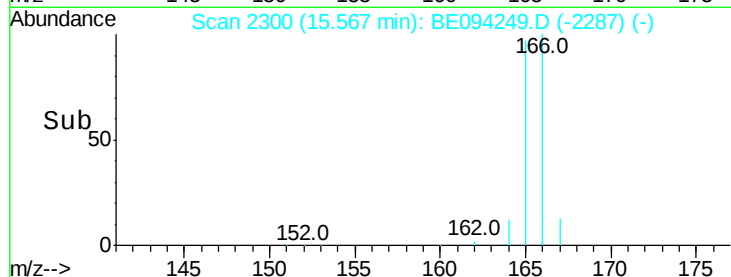
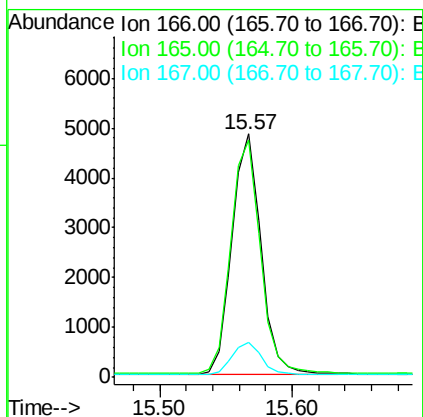
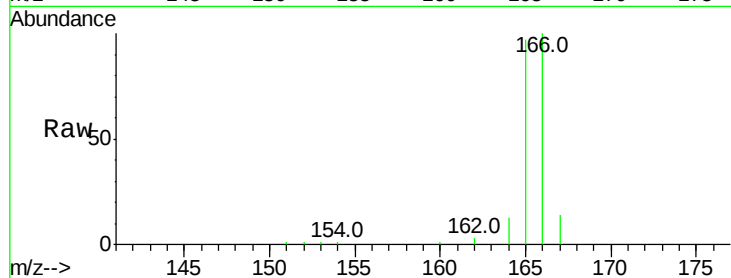
Tot Ion:166 Resp: 7342

Ion Ratio Lower Upper

166 100

165 97.5 73.4 110.2

167 14.4 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.262 ng/ul

RT: 16.95 min Scan# 2411

Delta R.T. 0.02 min

Lab File: BE094249.D

Acq: 10 Oct 2017 9:07

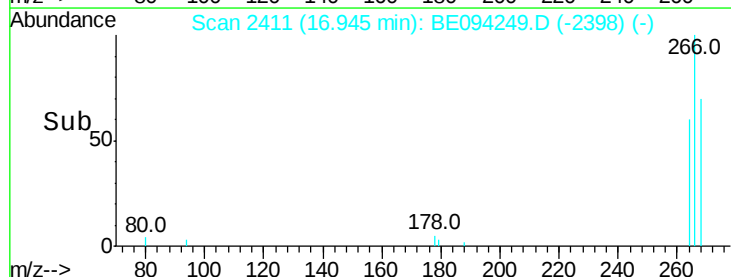
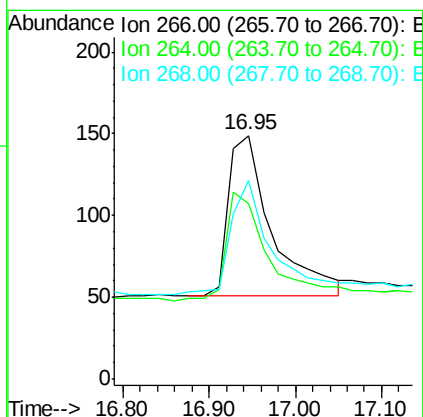
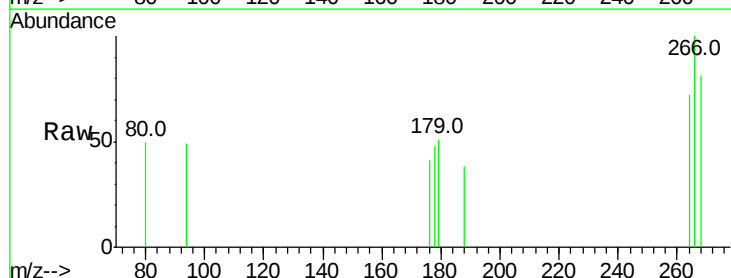
Tgt Ion:266 Resp: 341

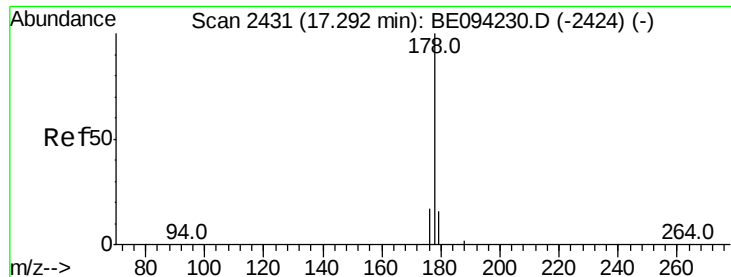
Ion Ratio Lower Upper

266 100

264 69.2 47.9 71.9

268 66.6 49.8 74.8





#12

Phenanthrene

Concen: 0.407 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094249.D

Acq: 10 Oct 2017 9:07

Instrument :

BNA_E

ClientSampleId :

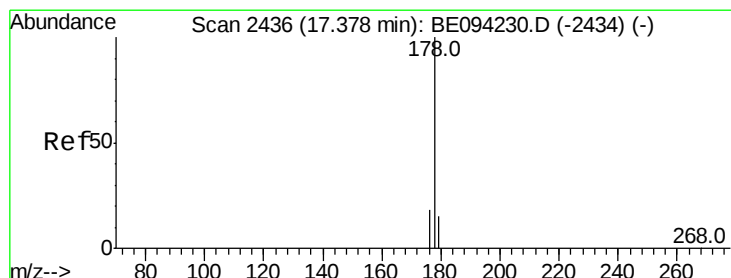
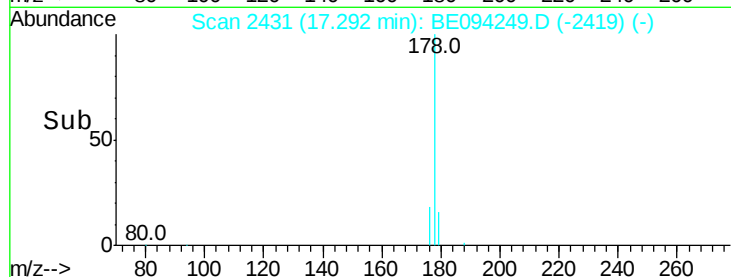
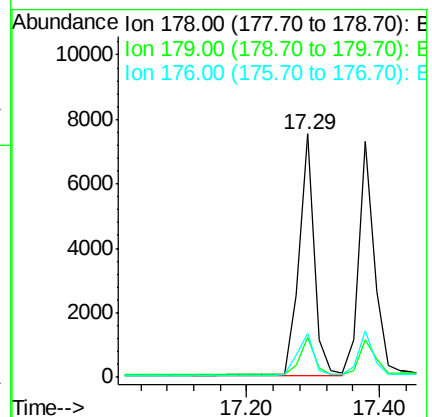
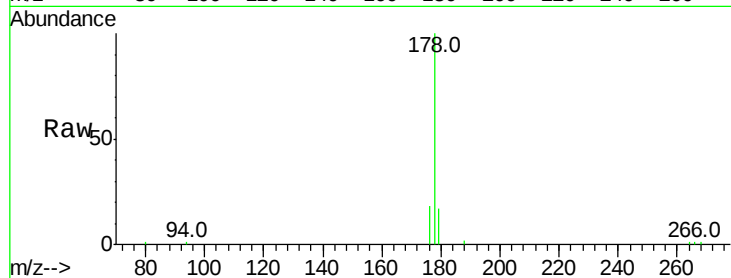
Tot Ion:178 Resp: 11778

Ion Ratio Lower Upper

178 100

179 16.7 18.4 27.6#

176 18.2 13.6 20.4



#13

Anthracene

Concen: 0.420 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE094249.D

Acq: 10 Oct 2017 9:07

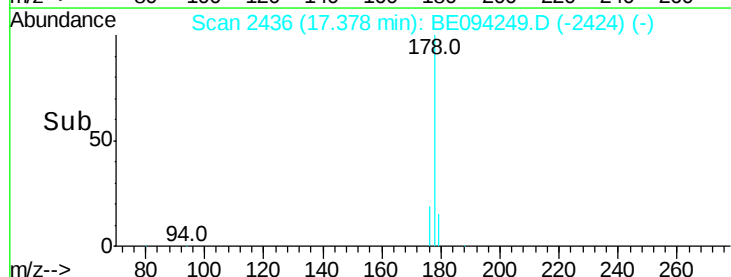
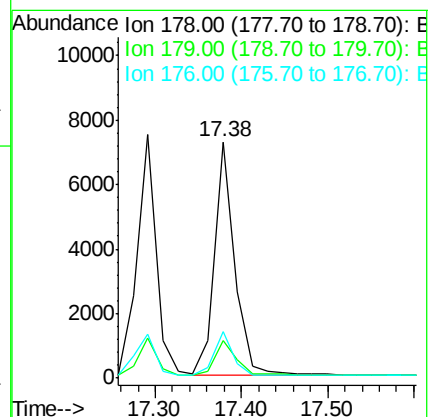
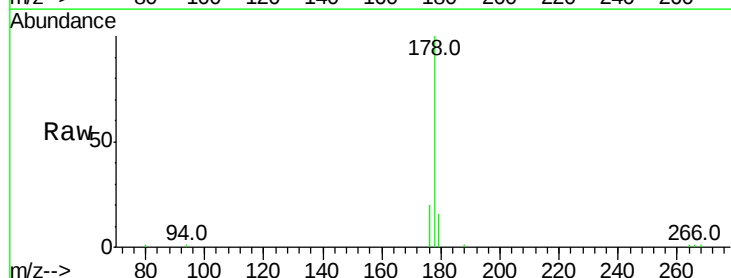
Tgt Ion:178 Resp: 11821

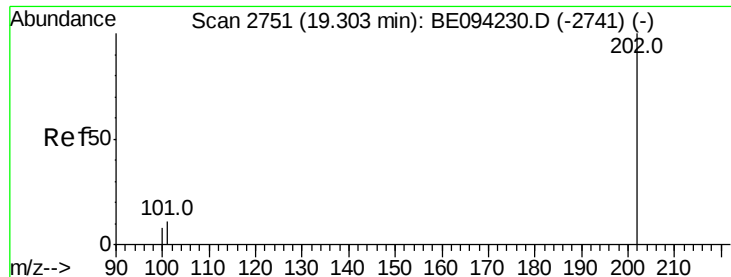
Ion Ratio Lower Upper

178 100

179 16.0 18.1 27.1#

176 19.5 14.7 22.1





#15

Fluoranthene

Concen: 0.376 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.00 min

Lab File: BE094249.D

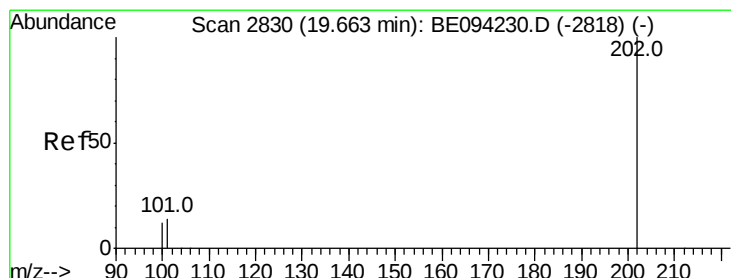
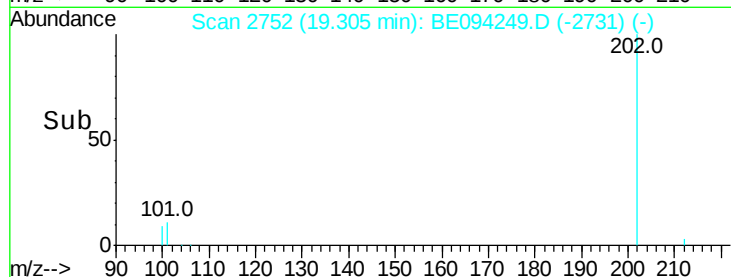
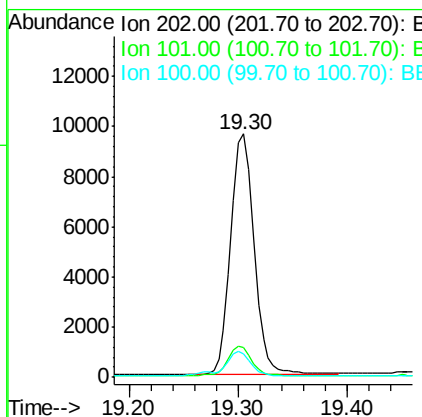
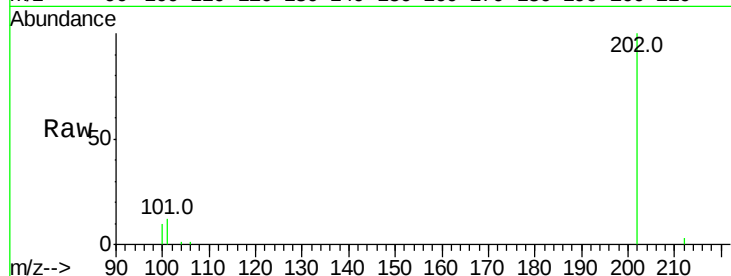
Acq: 10 Oct 2017 9:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	202	Resp:	14297
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	30.3
100	9.6	0.0	39.5



#17

Pyrene

Concen: 0.454 ng/ul

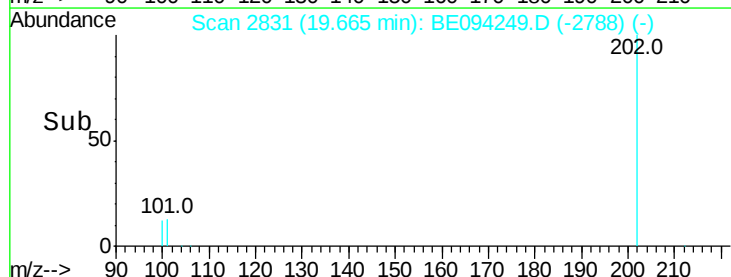
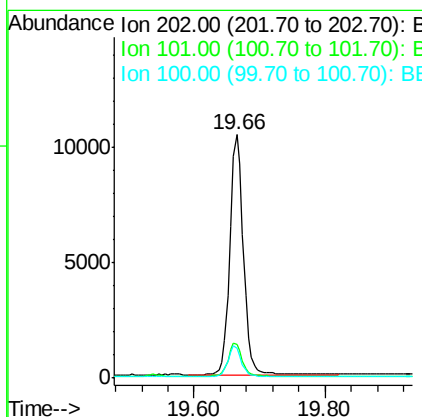
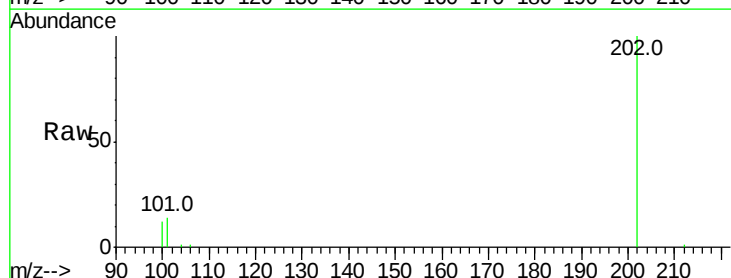
RT: 19.66 min Scan# 2831

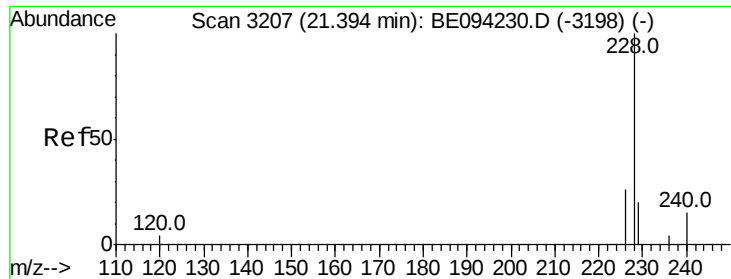
Delta R.T. -0.00 min

Lab File: BE094249.D

Acq: 10 Oct 2017 9:07

Tgt Ion:	202	Resp:	15001
Ion	Ratio	Lower	Upper
202	100		
101	13.9	18.2	27.4#
100	12.2	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.450 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BE094249.D

Acq: 10 Oct 2017 9:07

Instrument :

BNA_E

ClientSampled :

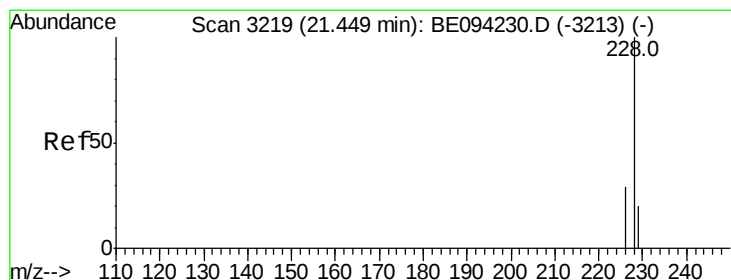
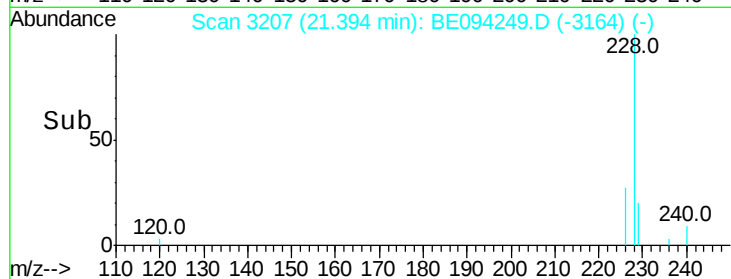
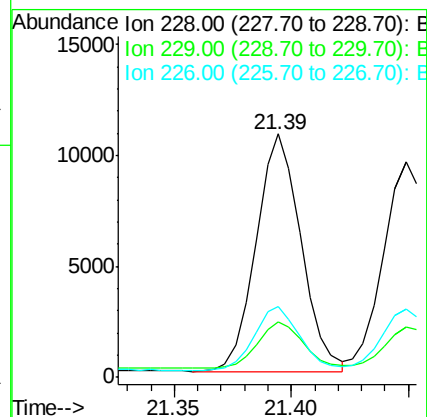
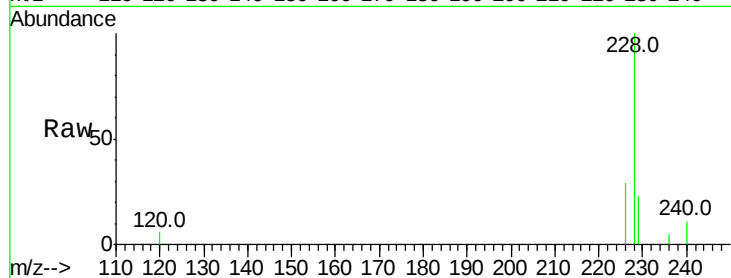
Tot Ion:228 Resp: 14193

Ion Ratio Lower Upper

228 100

229 23.0 22.8 34.2

226 28.9 17.0 25.6#



#19

Chrysene

Concen: 0.377 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.01 min

Lab File: BE094249.D

Acq: 10 Oct 2017 9:07

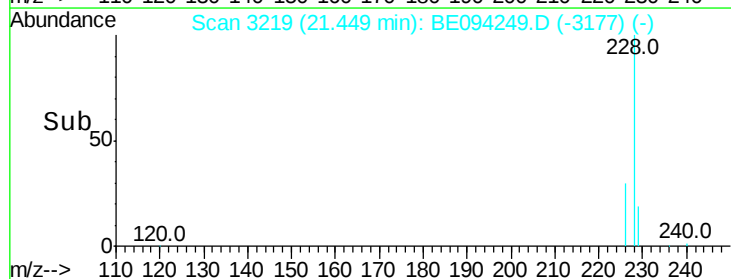
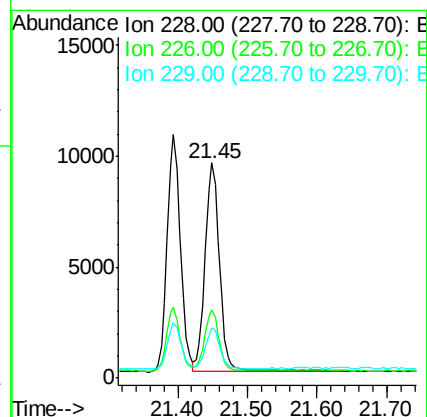
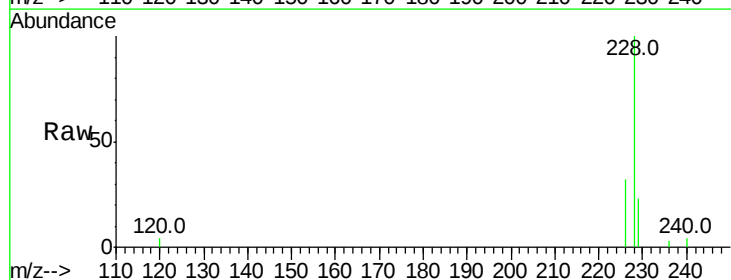
Tgt Ion:228 Resp: 13714

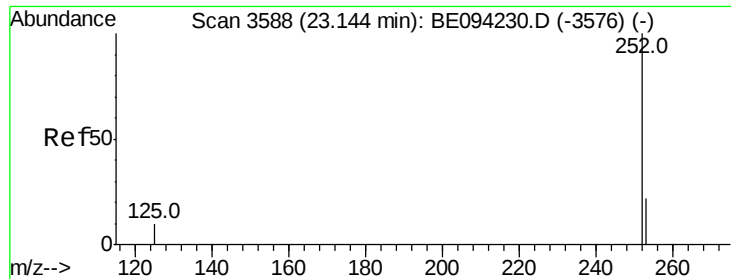
Ion Ratio Lower Upper

228 100

226 31.9 23.4 35.0

229 23.1 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.418 ng/u1

RT: 23.15 min Scan# 3589

Delta R.T. -0.01 min

Lab File: BE094249.D

Acq: 10 Oct 2017 9:07

Instrument :

BNA_E

ClientSampleId :

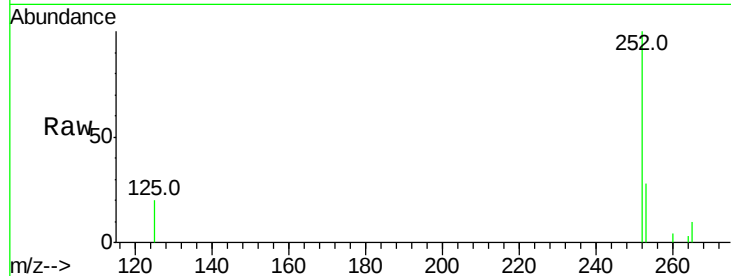
Tot Ion:252 Resp: 13274

Ion Ratio Lower Upper

252 100

253 27.6 0.0 64.2

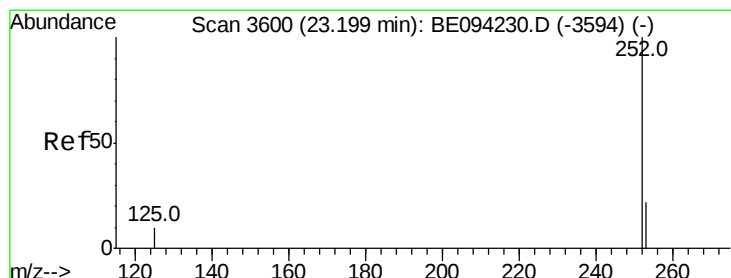
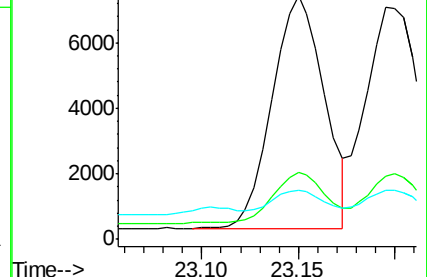
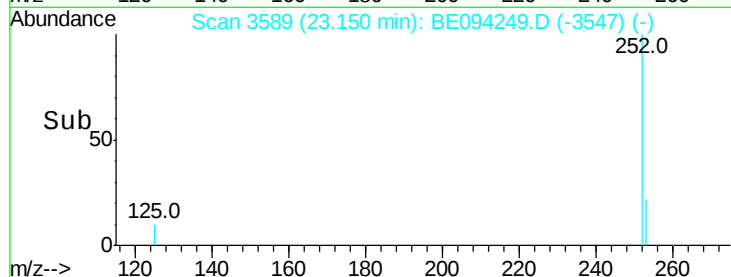
125 19.9 0.0 35.0



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: 0.362 ng/u1

RT: 23.15 min Scan# 3589

Delta R.T. -0.06 min

Lab File: BE094249.D

Acq: 10 Oct 2017 9:07

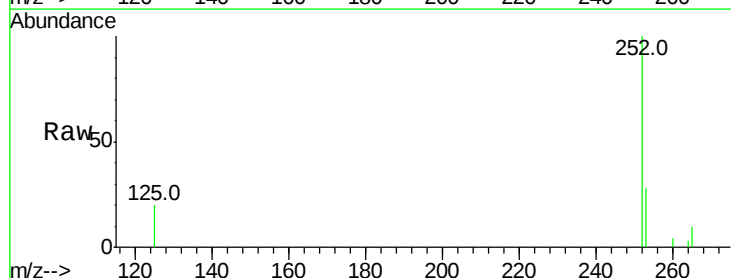
Tgt Ion:252 Resp: 13274

Ion Ratio Lower Upper

252 100

253 27.6 24.5 36.7

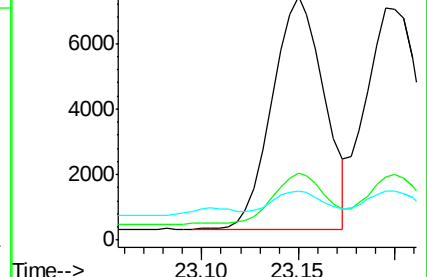
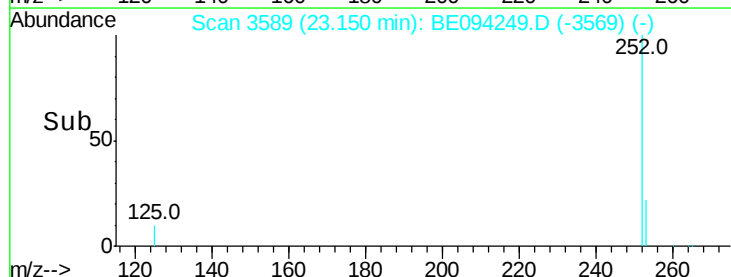
125 19.9 13.7 20.5

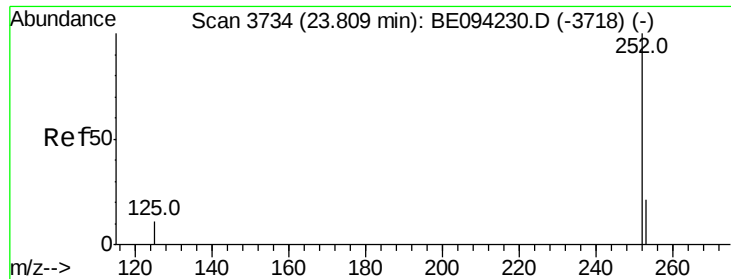


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.399 ng/ul

RT: 23.81 min Scan# 3734

Delta R.T. -0.01 min

Lab File: BE094249.D

Acq: 10 Oct 2017 9:07

Instrument :

BNA_E

ClientSampleId :

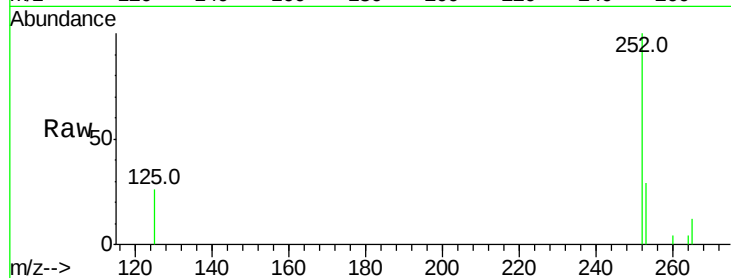
Tot Ion:252 Resp: 13157

Ion Ratio Lower Upper

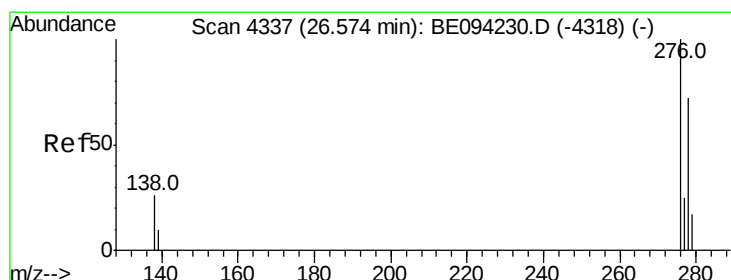
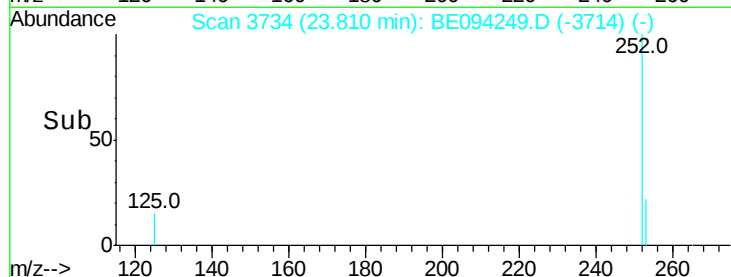
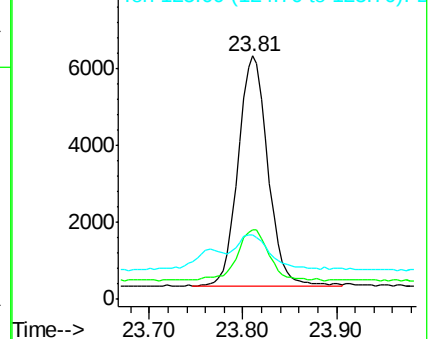
252 100

253 28.8 28.5 42.7

125 26.4 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: 0.431 ng/ul

RT: 26.58 min Scan# 4338

Delta R.T. -0.02 min

Lab File: BE094249.D

Acq: 10 Oct 2017 9:07

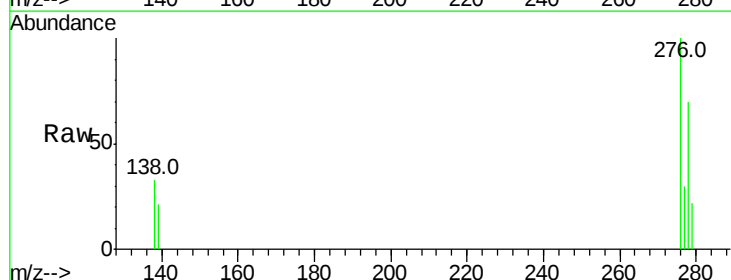
Tgt Ion:276 Resp: 14532

Ion Ratio Lower Upper

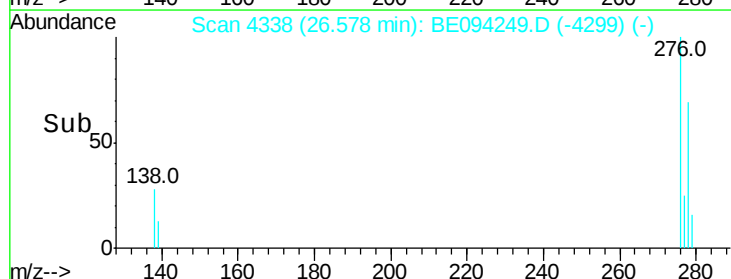
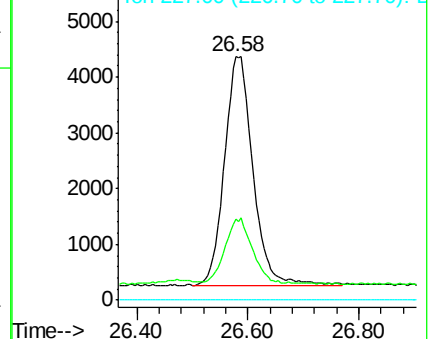
276 100

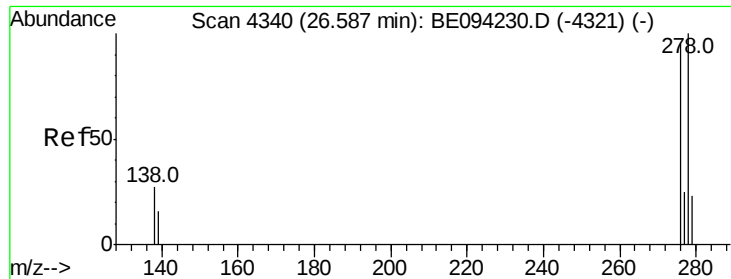
138 28.0 28.0 42.0

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

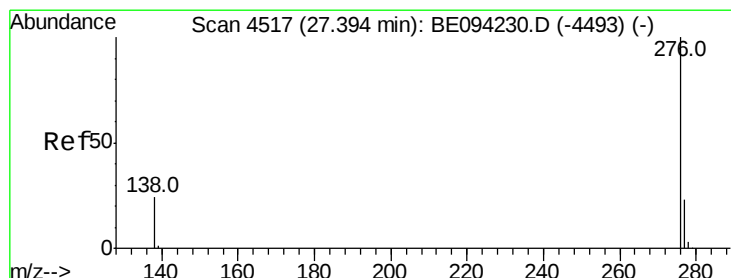
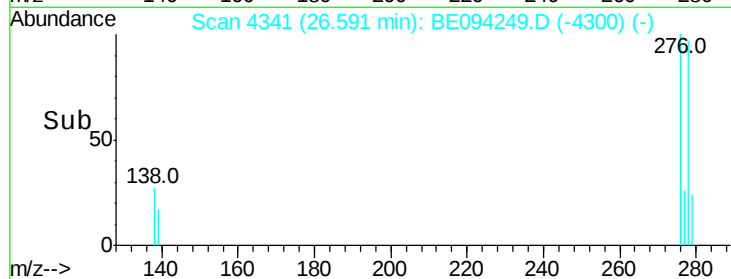
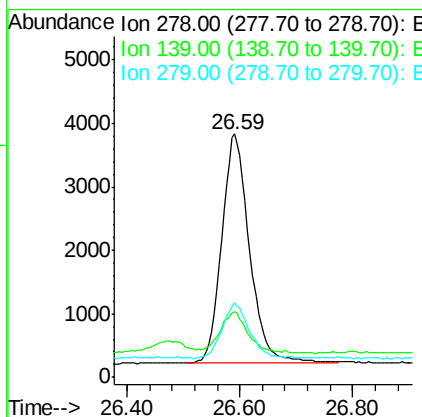
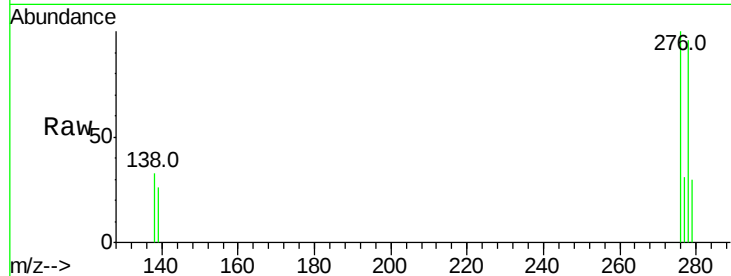




#25
Dibenzo(a,h)anthracene
Concen: 0.432 ng/ul
RT: 26.59 min Scan# 4341
Delta R.T. -0.01 min
Lab File: BE094249.D
Acq: 10 Oct 2017 9:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 12227
Ion Ratio Lower Upper
278 100
139 26.9 17.4 26.0#
279 30.9 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.414 ng/ul
RT: 27.40 min Scan# 4519
Delta R.T. -0.02 min
Lab File: BE094249.D
Acq: 10 Oct 2017 9:07

Tgt Ion:276 Resp: 12065
Ion Ratio Lower Upper
276 100
138 30.5 21.8 32.8
277 30.5 20.5 30.7

