

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094736.D
 Acq On : 4 Nov 2017 8:06
 Operator : SJ/JU
 Sample : I5955-03 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-17(0.25-1.25)-101717

Quant Time: Nov 05 23:58:31 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 04 06:57:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2430	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.68	136	13716	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	8610	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.26	188	15273	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	15594	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	15446	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	459	0.02	ng/ul	-0.03
14) Fluoranthene-d10	19.27	212	3888	0.09	ng/ul	-0.01

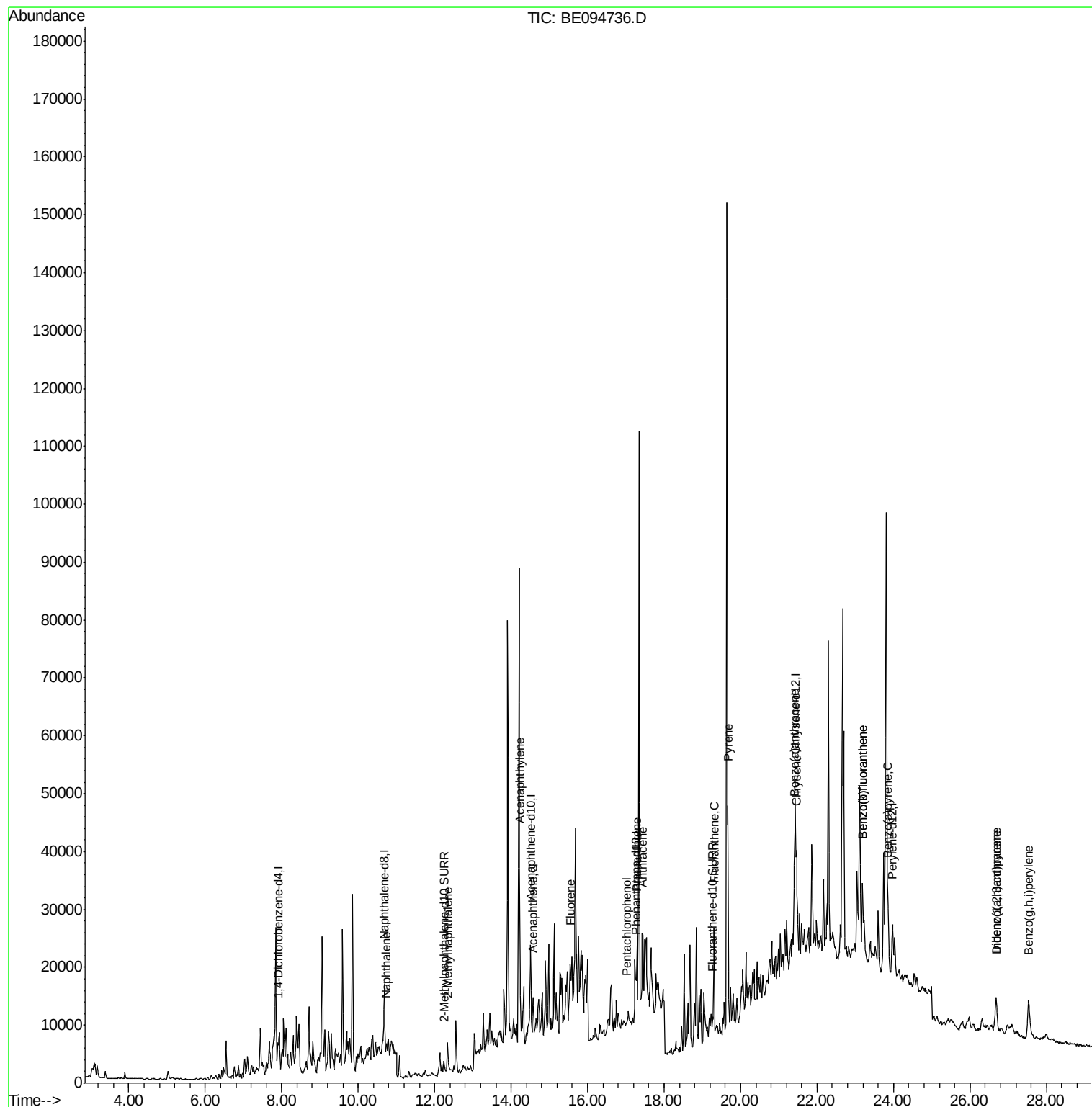
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	3160	0.09	ng/ul#	49
5) 2-Methylnaphthalene	12.34	142	3401	0.14	ng/ul	100
7) Acenaphthylene	14.23	152	6127	0.16	ng/ul#	1
8) Acenaphthene	14.57	153	3369	0.12	ng/ul#	72
9) Fluorene	15.56	166	5324	0.17	ng/ul#	60
11) Pentachlorophenol	17.03	266	71	0.09	ng/ul#	1
12) Phenanthrene	17.29	178	24984	0.62	ng/ul#	76
13) Anthracene	17.43	178	12784	0.32	ng/ul#	1
15) Fluoranthene	19.31	202	21833	0.47	ng/ul	81
17) Pyrene	19.67	202	43536	0.90	ng/ul#	87
18) Benzo(a)anthracene	21.41	228	12611	0.28	ng/ul#	17
19) Chrysene	21.46	228	15278	0.33	ng/ul#	40
21) Benzo(b)fluoranthene	23.19	252	31299	0.72	ng/ul#	33
22) Benzo(k)fluoranthene	23.19	252	31299	0.67	ng/ul#	30
23) Benzo(a)pyrene	23.86	252	16331	0.38	ng/ul#	29
24) Indeno(1,2,3-cd)pyrene	26.69	276	12466	0.28	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.67	278	3781	0.10	ng/ul#	1
26) Benzo(g,h,i)perylene	27.53	276	19935	0.55	ng/ul#	68

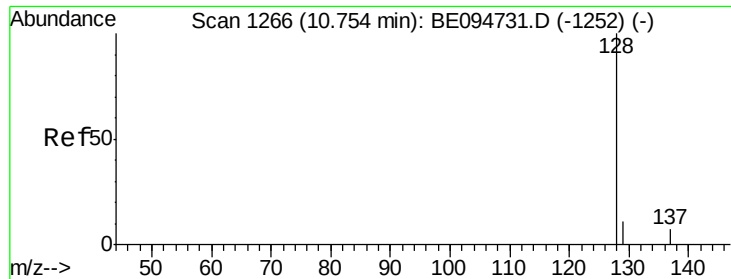
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.09 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

Instrument :

BNA_E

ClientSampleId :

B-17(0.25-1.25)-101717

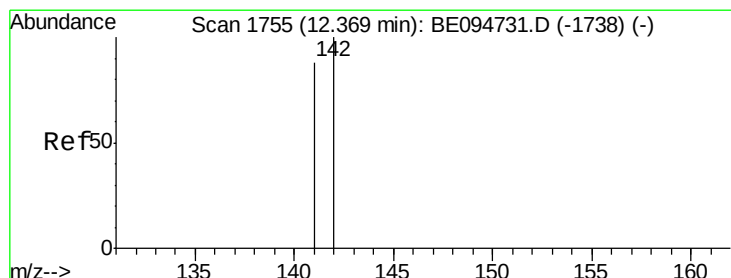
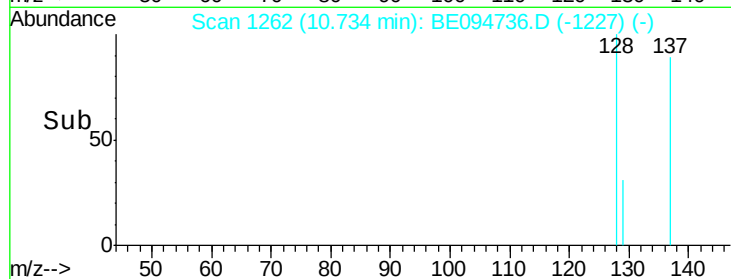
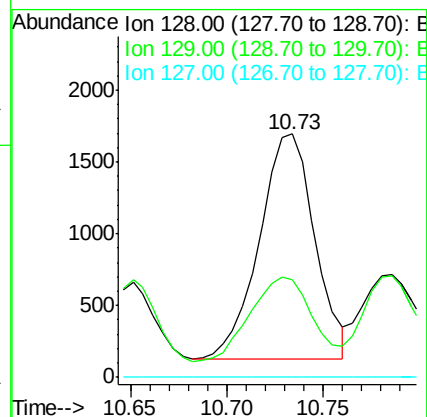
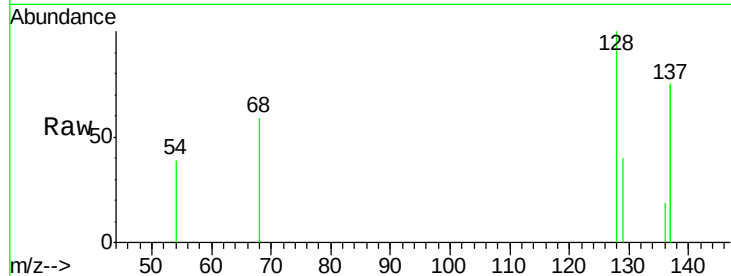
Tot Ion:128 Resp: 3160

Ion Ratio Lower Upper

128 100

129 40.3 11.3 16.9#

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.14 ng/ul

RT: 12.34 min Scan# 1746

Delta R.T. -0.03 min

Lab File: BE094736.D

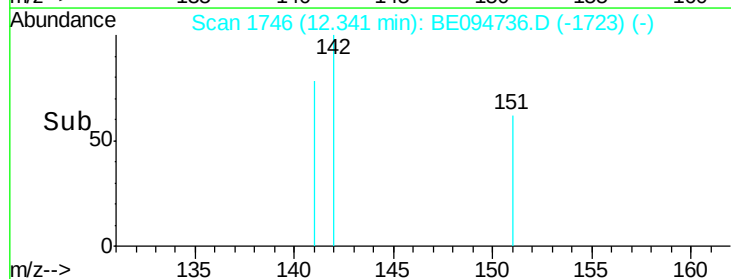
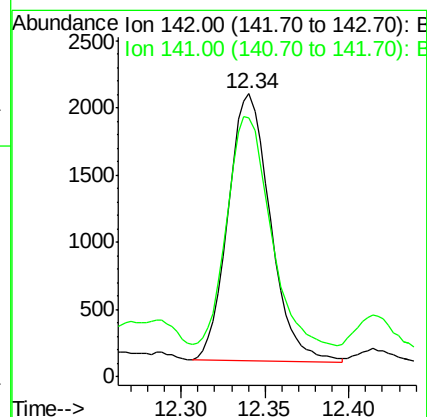
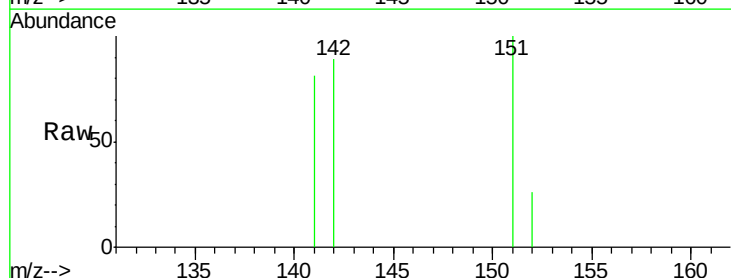
Acq: 4 Nov 2017 8:06

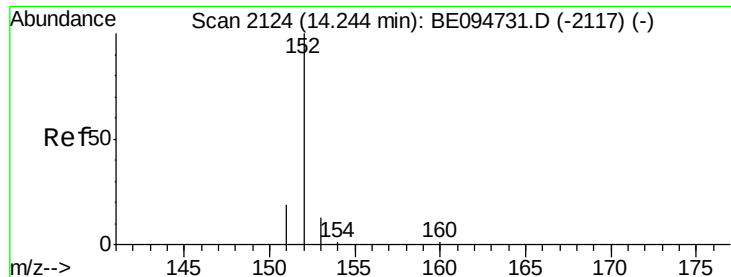
Tgt Ion:142 Resp: 3401

Ion Ratio Lower Upper

142 100

141 90.2 72.6 108.8





#7

Acenaphthylene

Concen: 0.16 ng/ul

RT: 14.23 min Scan# 2122

Delta R.T. -0.02 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

Instrument :

BNA_E

ClientSampleId :

B-17(0.25-1.25)-101717

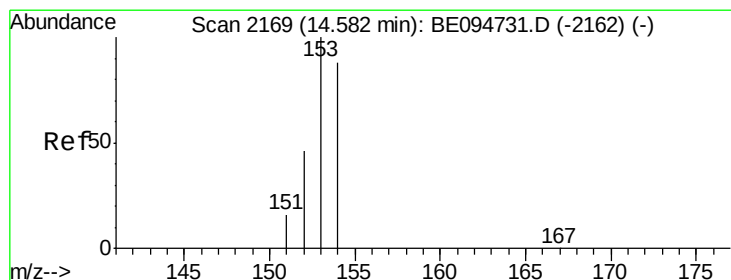
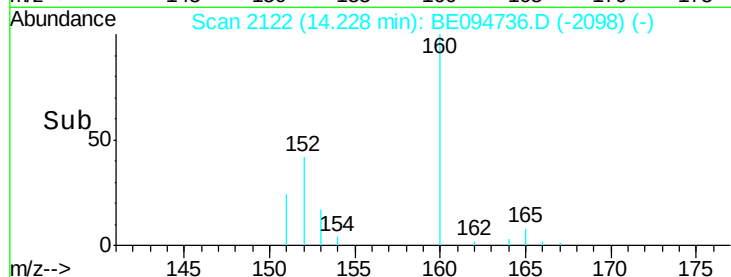
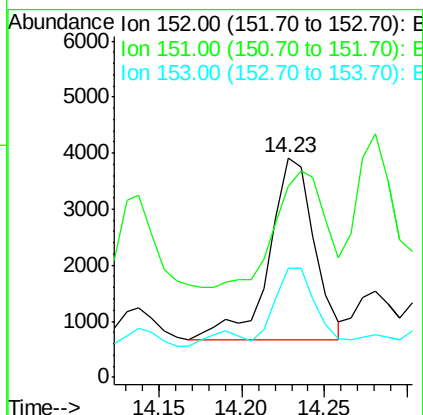
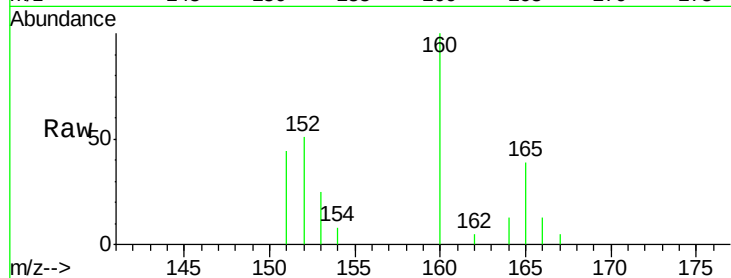
Tot Ion:152 Resp: 6127

Ion Ratio Lower Upper

152 100

151 86.8 17.1 25.7#

153 49.7 12.8 19.2#



#8

Acenaphthene

Concen: 0.12 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

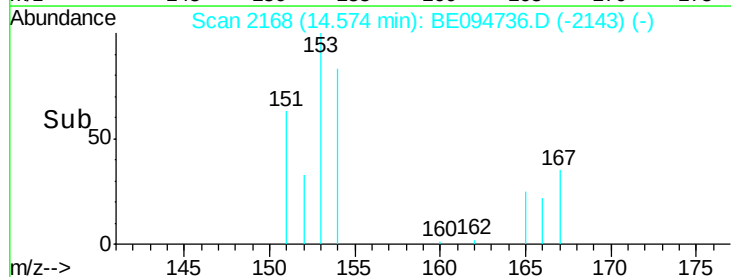
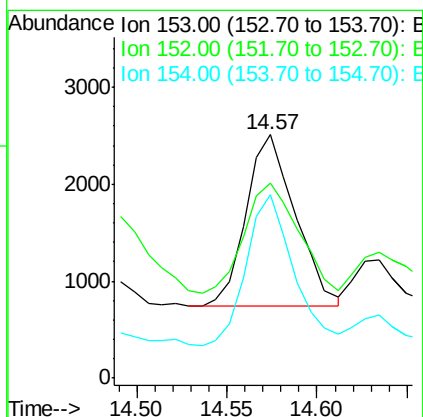
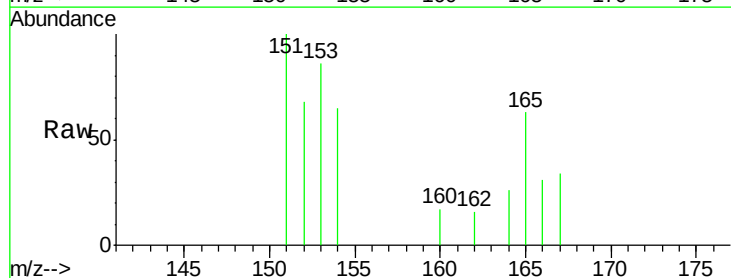
Tgt Ion:153 Resp: 3369

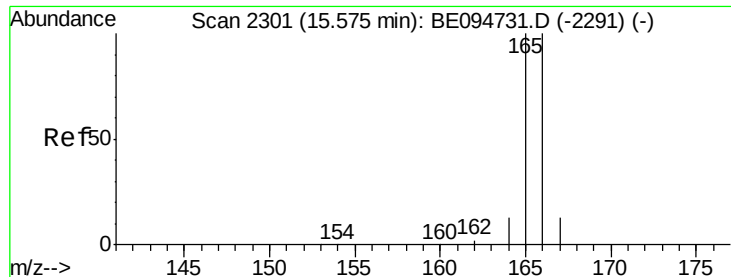
Ion Ratio Lower Upper

153 100

152 79.9 36.0 54.0#

154 75.3 72.0 108.0





#9

Fluorene

Concen: 0.17 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

Instrument :

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ClientSampleId :

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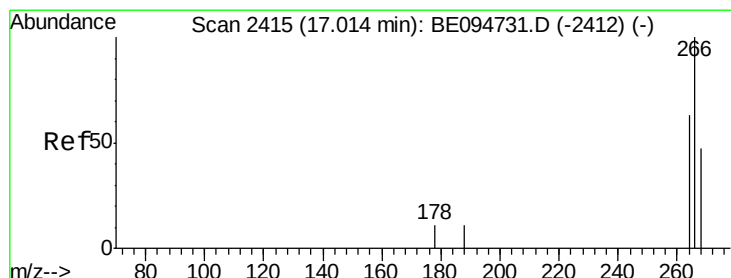
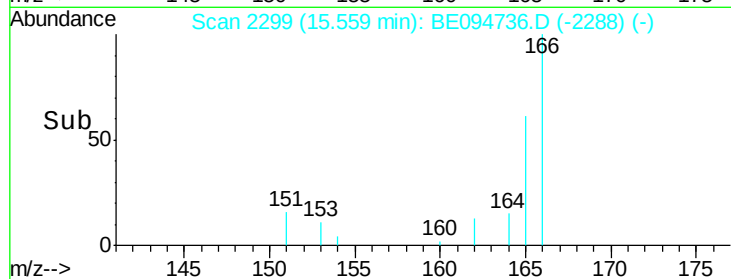
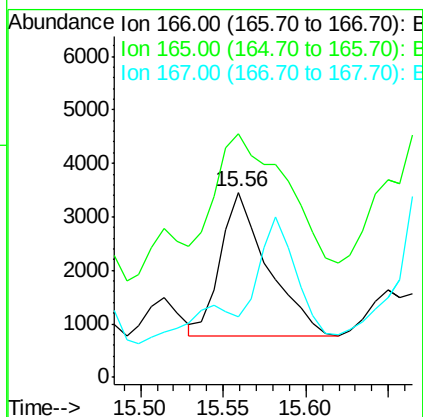
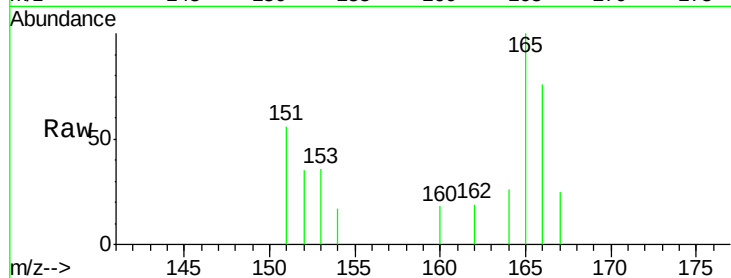
Tot Ion:166 Resp: 5324

Ion Ratio Lower Upper

166 100

165 131.4 73.4 110.2#

167 32.9 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.09 ng/ul

RT: 17.03 min Scan# 2416

Delta R.T. 0.02 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

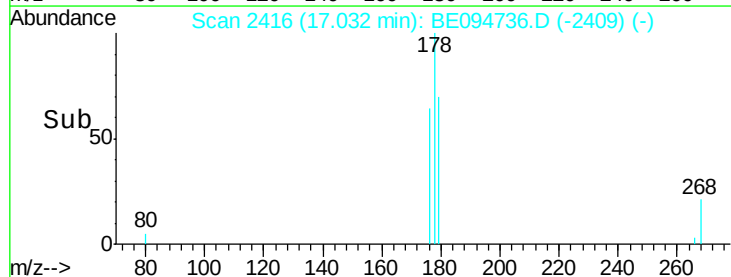
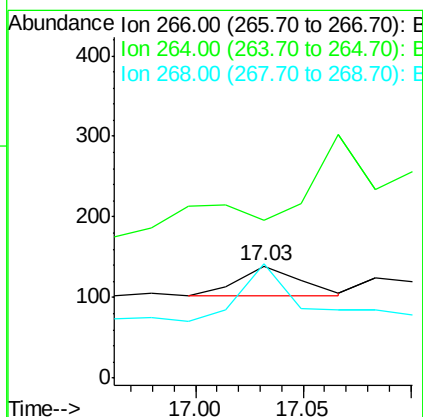
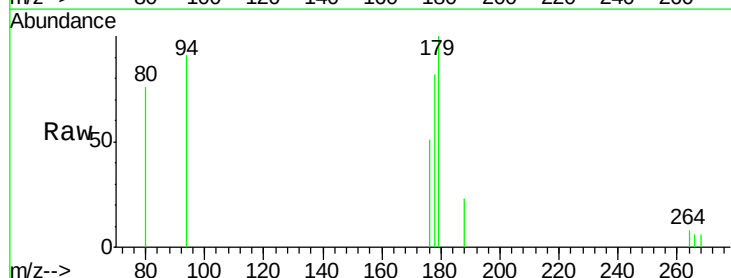
Tgt Ion:266 Resp: 71

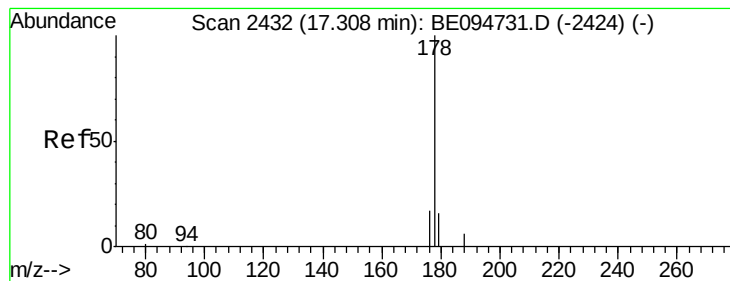
Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

268 180.3 49.8 74.8#





#12

Phenanthrene

Concen: 0.62 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

Instrument :

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ClientSampleId :

B-17(0.25-1.25)-101717

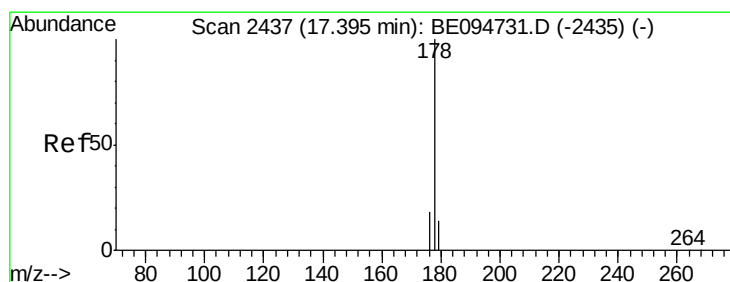
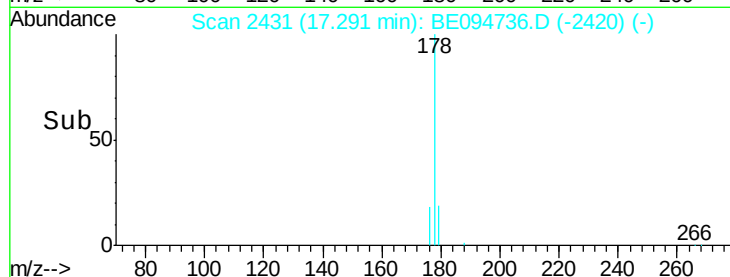
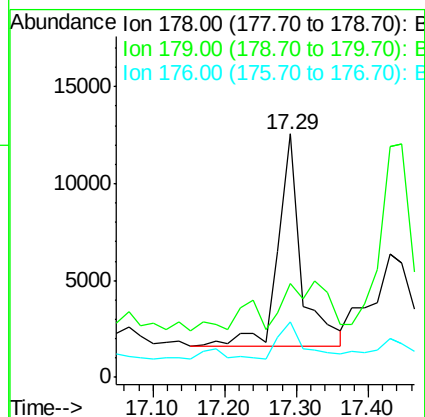
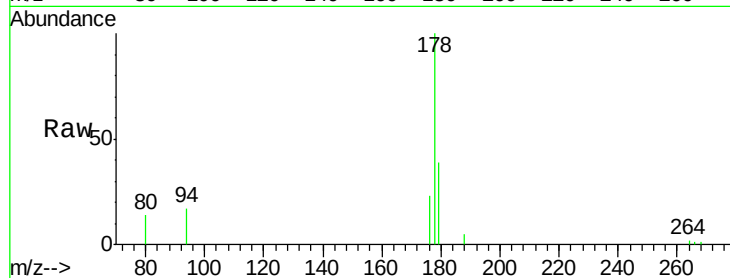
Tot Ion:178 Resp: 24984

Ion Ratio Lower Upper

178 100

179 38.6 18.4 27.6#

176 22.9 13.6 20.4#



#13

Anthracene

Concen: 0.32 ng/ul

RT: 17.43 min Scan# 2439

Delta R.T. 0.03 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

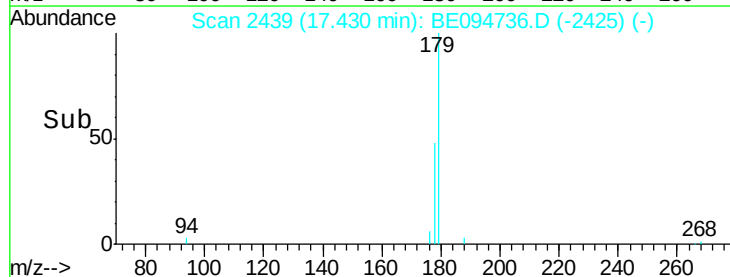
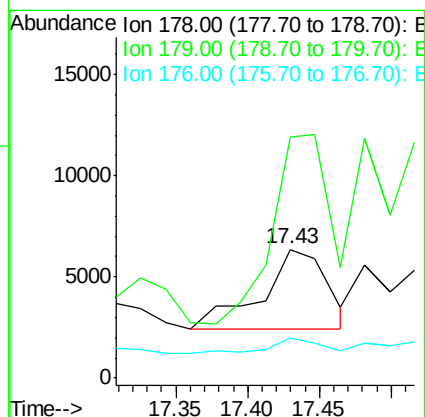
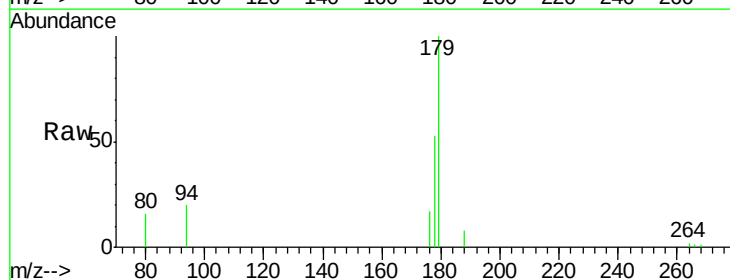
Tgt Ion:178 Resp: 12784

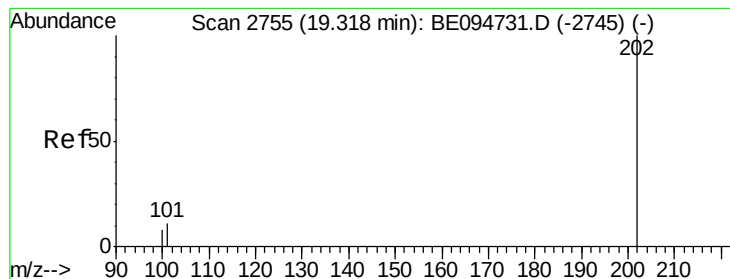
Ion Ratio Lower Upper

178 100

179 187.4 18.1 27.1#

176 31.3 14.7 22.1#





#15

Fluoranthene

Concen: 0.47 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

Instrument :

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ClientSampleId :

B-17(0.25-1.25)-101717

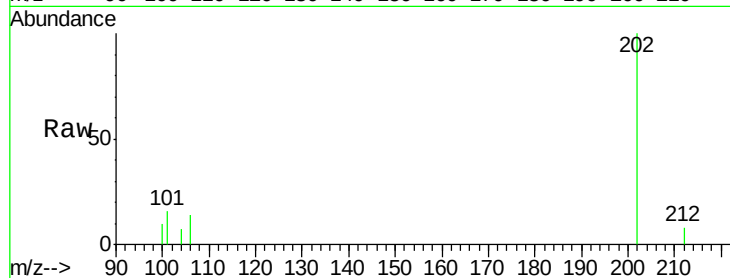
Tot Ion:202 Resp: 21833

Ion Ratio Lower Upper

202 100

101 15.5 0.0 30.3

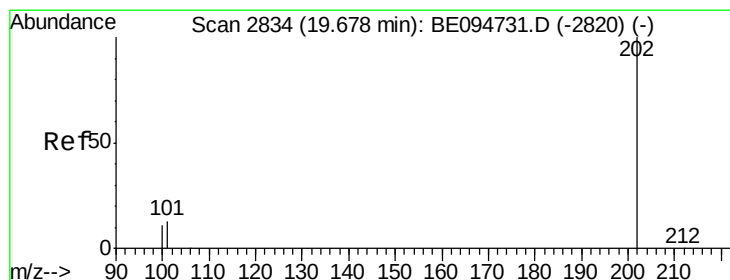
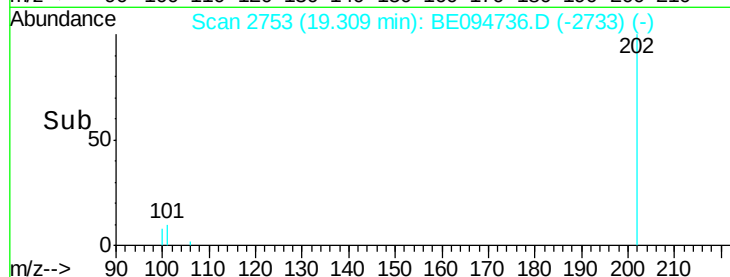
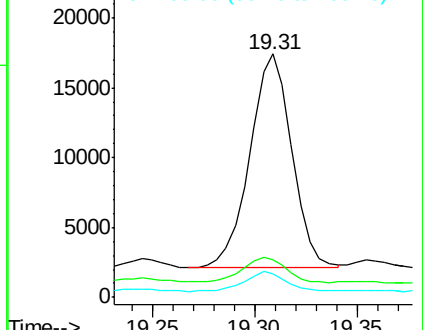
100 9.8 0.0 39.5



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: 0.90 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

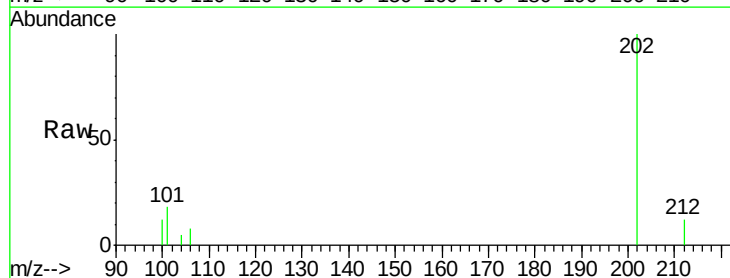
Tgt Ion:202 Resp: 43536

Ion Ratio Lower Upper

202 100

101 18.2 18.2 27.4#

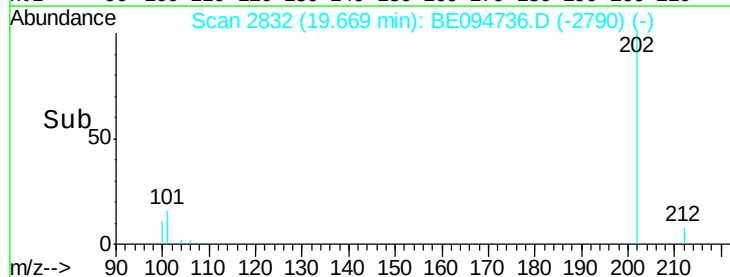
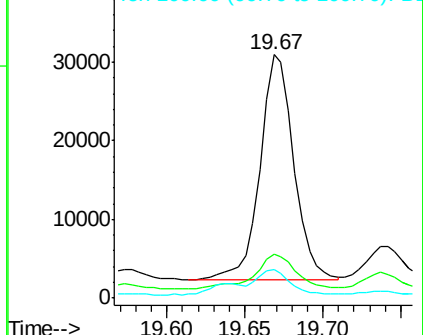
100 11.9 15.6 23.4#

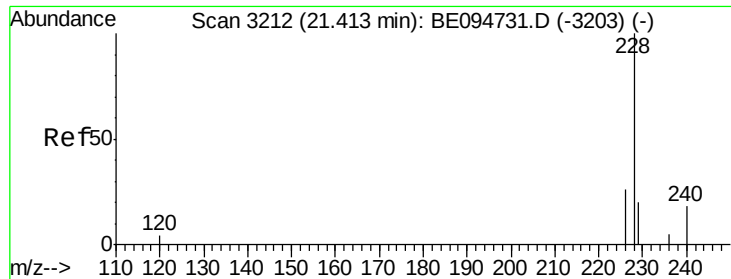


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

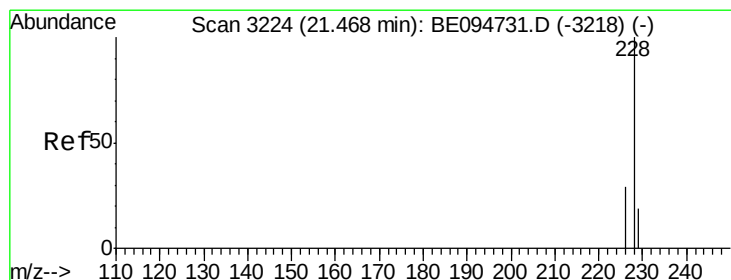
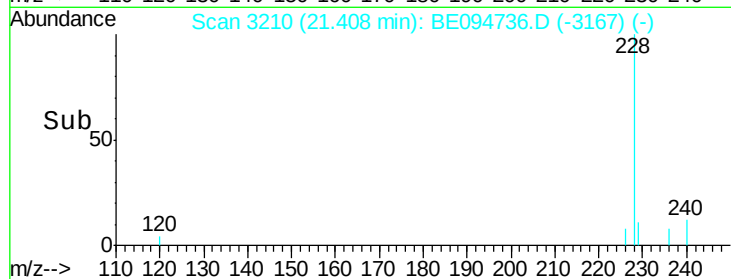
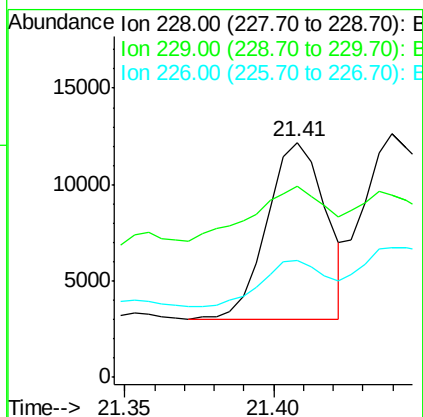
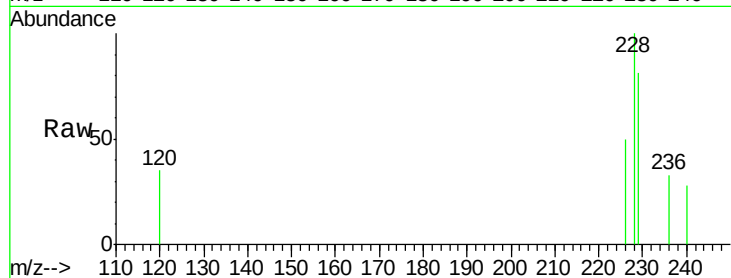




#18
Benzo(a)anthracene
Concen: 0.28 ng/ul
RT: 21.41 min Scan# 3210
Delta R.T. -0.01 min
Lab File: BE094736.D
Acq: 4 Nov 2017 8:06

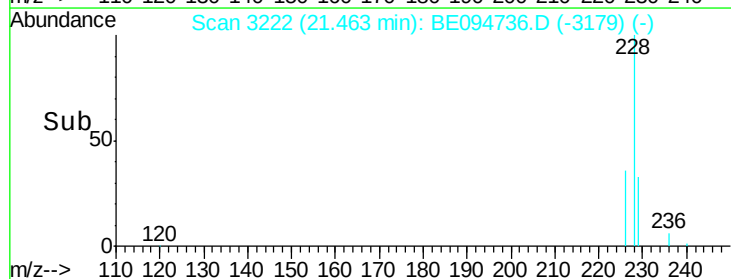
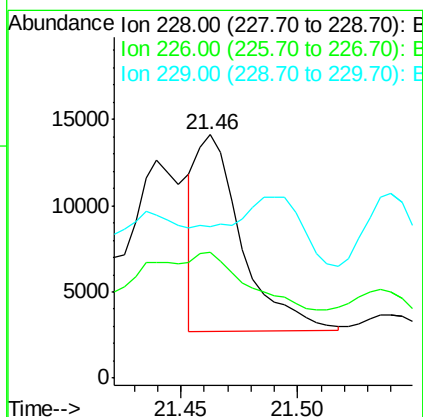
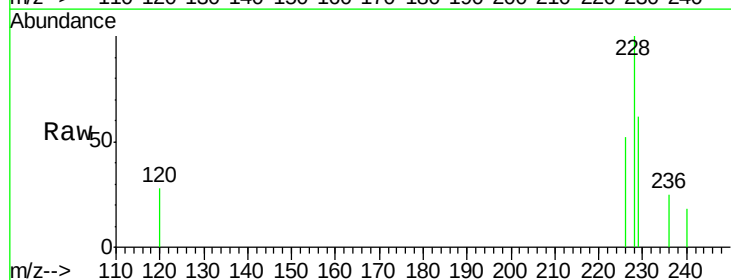
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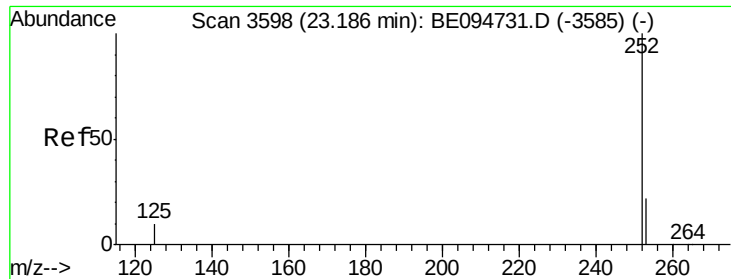
Tot Ion:228 Resp: 12611
Ion Ratio Lower Upper
228 100
229 81.1 22.8 34.2#
226 49.9 17.0 25.6#



#19
Chrysene
Concen: 0.33 ng/ul
RT: 21.46 min Scan# 3222
Delta R.T. -0.01 min
Lab File: BE094736.D
Acq: 4 Nov 2017 8:06

Tgt Ion:228 Resp: 15278
Ion Ratio Lower Upper
228 100
226 51.8 23.4 35.0#
229 62.2 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.72 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

Instrument :

BNA_E

ClientSampleId :

B-17(0.25-1.25)-101717

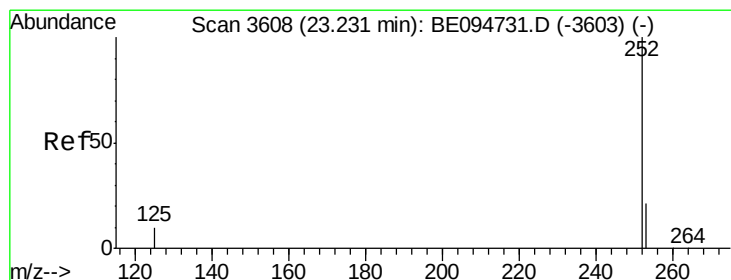
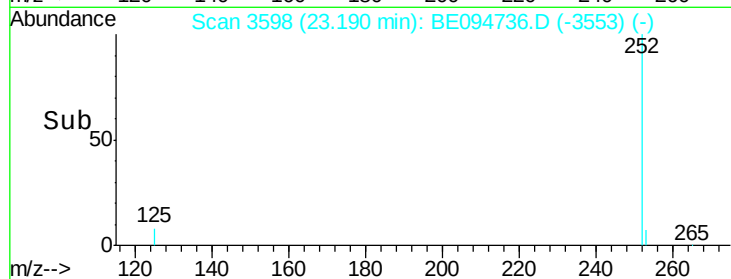
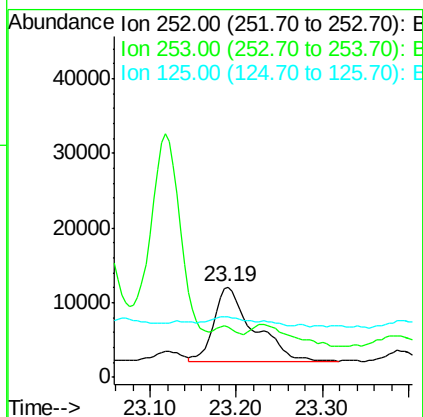
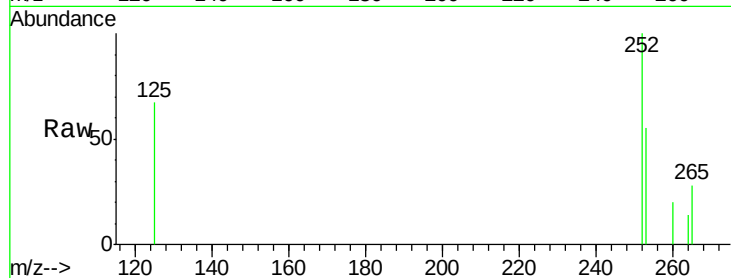
Tot Ion:252 Resp: 31299

Ion Ratio Lower Upper

252 100

253 55.2 0.0 64.2

125 67.4 0.0 35.0#



#22

Benzo(k)fluoranthene

Concen: 0.67 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.04 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

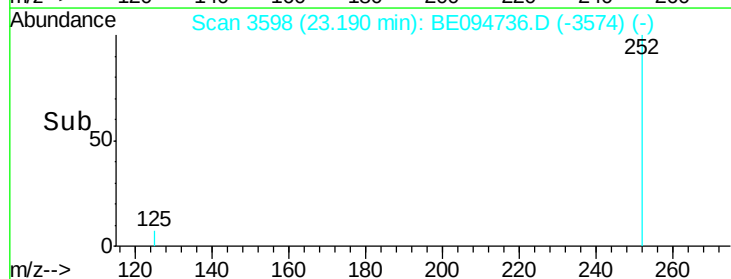
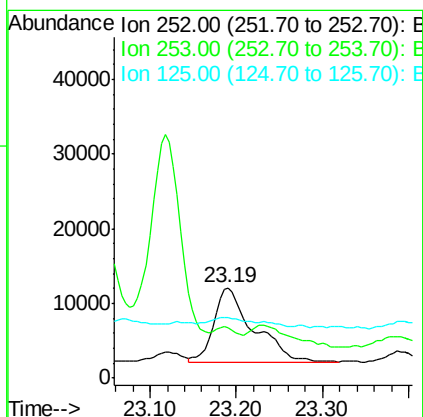
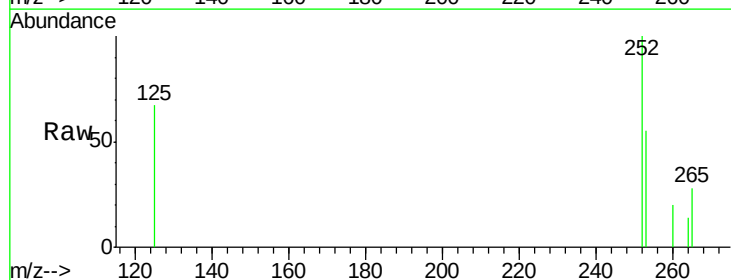
Tgt Ion:252 Resp: 31299

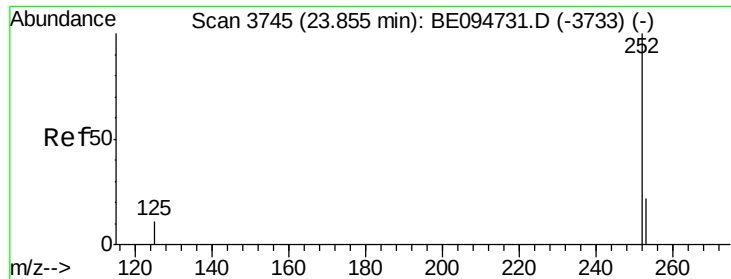
Ion Ratio Lower Upper

252 100

253 55.2 24.5 36.7#

125 67.4 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.38 ng/ul

RT: 23.86 min Scan# 3745

Delta R.T. 0.00 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

Instrument :

BNA_E

ClientSampleId :

B-17(0.25-1.25)-101717

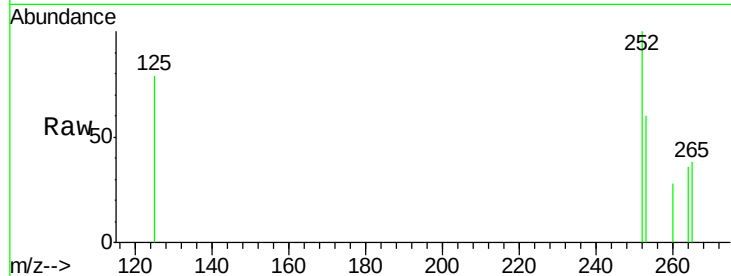
Tot Ion:252 Resp: 16331

Ion Ratio Lower Upper

252 100

253 60.5 28.5 42.7#

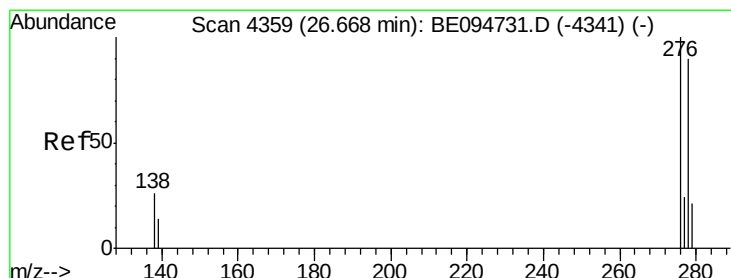
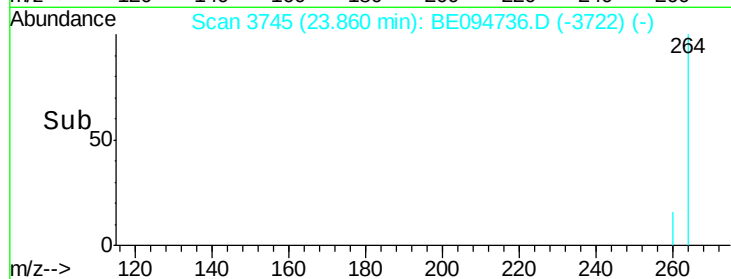
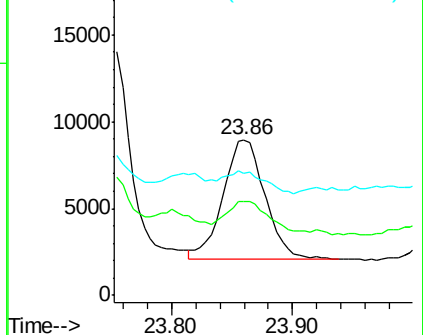
125 78.7 18.1 27.1#



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: 0.28 ng/ul

RT: 26.69 min Scan# 4362

Delta R.T. 0.02 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

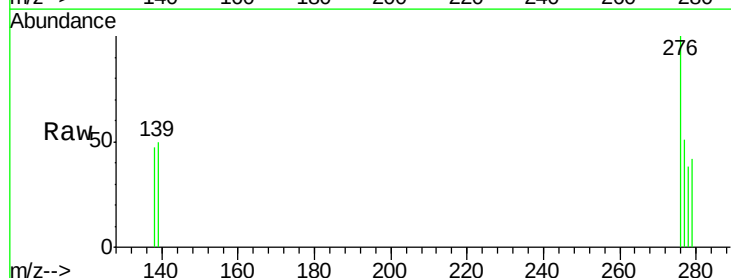
Tgt Ion:276 Resp: 12466

Ion Ratio Lower Upper

276 100

138 23.0 28.0 42.0#

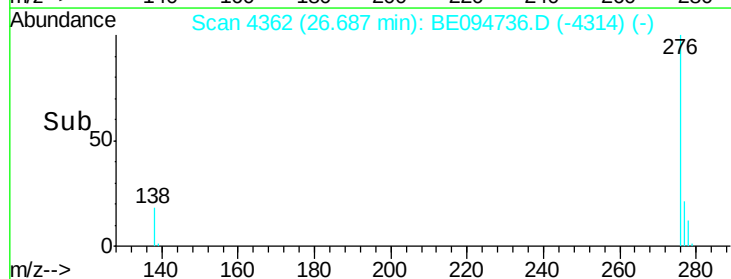
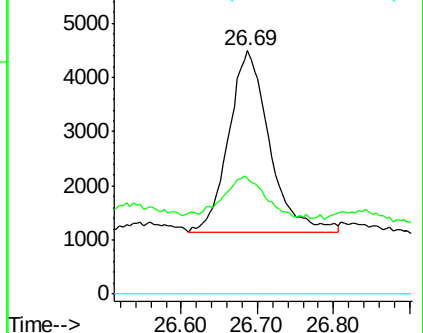
227 0.0 8.0 12.0#

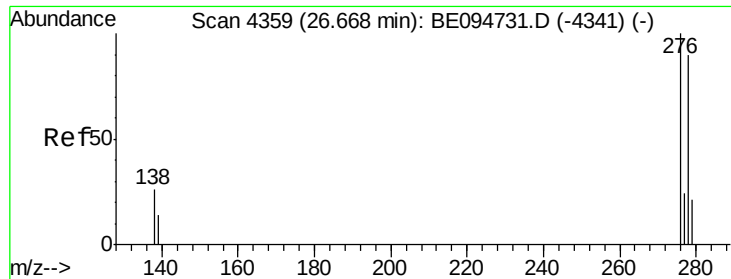


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.10 ng/ul

RT: 26.67 min Scan# 4359

Delta R.T. 0.01 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

Instrument :

BNA_E

ClientSampleId :

B-17(0.25-1.25)-101717

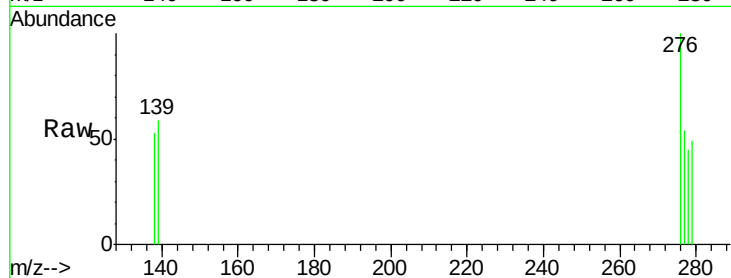
Tot Ion:278 Resp: 3781

Ion Ratio Lower Upper

278 100

139 130.1 17.4 26.0#

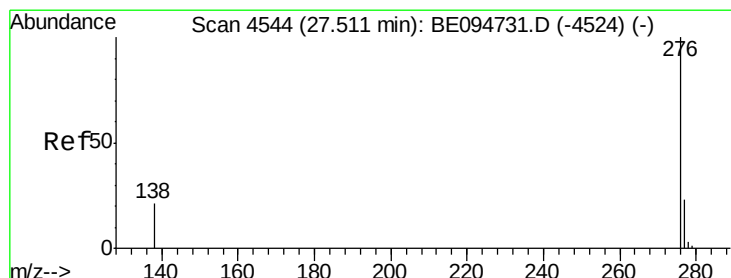
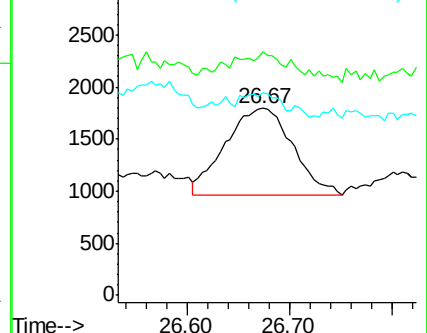
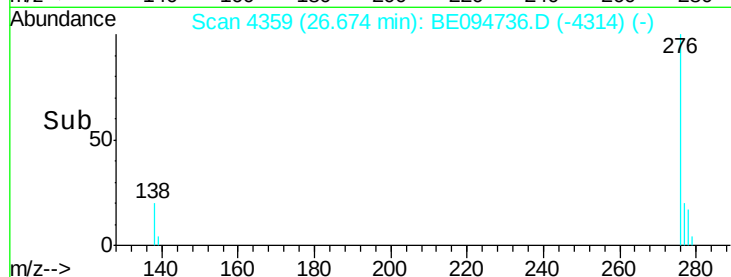
279 108.5 25.9 38.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.55 ng/ul

RT: 27.53 min Scan# 4548

Delta R.T. 0.02 min

Lab File: BE094736.D

Acq: 4 Nov 2017 8:06

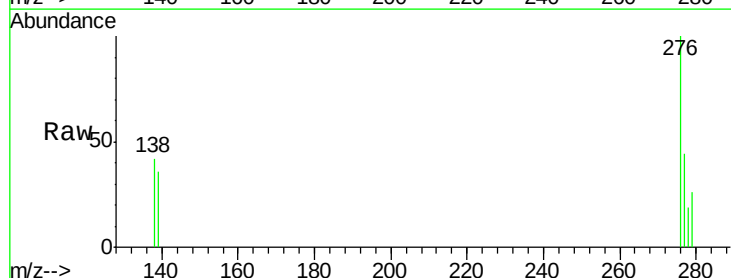
Tgt Ion:276 Resp: 19935

Ion Ratio Lower Upper

276 100

138 42.2 21.8 32.8#

277 44.1 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

