

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094733.D
 Acq On : 4 Nov 2017 6:22
 Operator : SJ/JU
 Sample : I5933-02 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-9(5-6) 101617

Quant Time: Nov 04 06:55:50 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 06:43:16 2017
 Response via : Initial Calibration

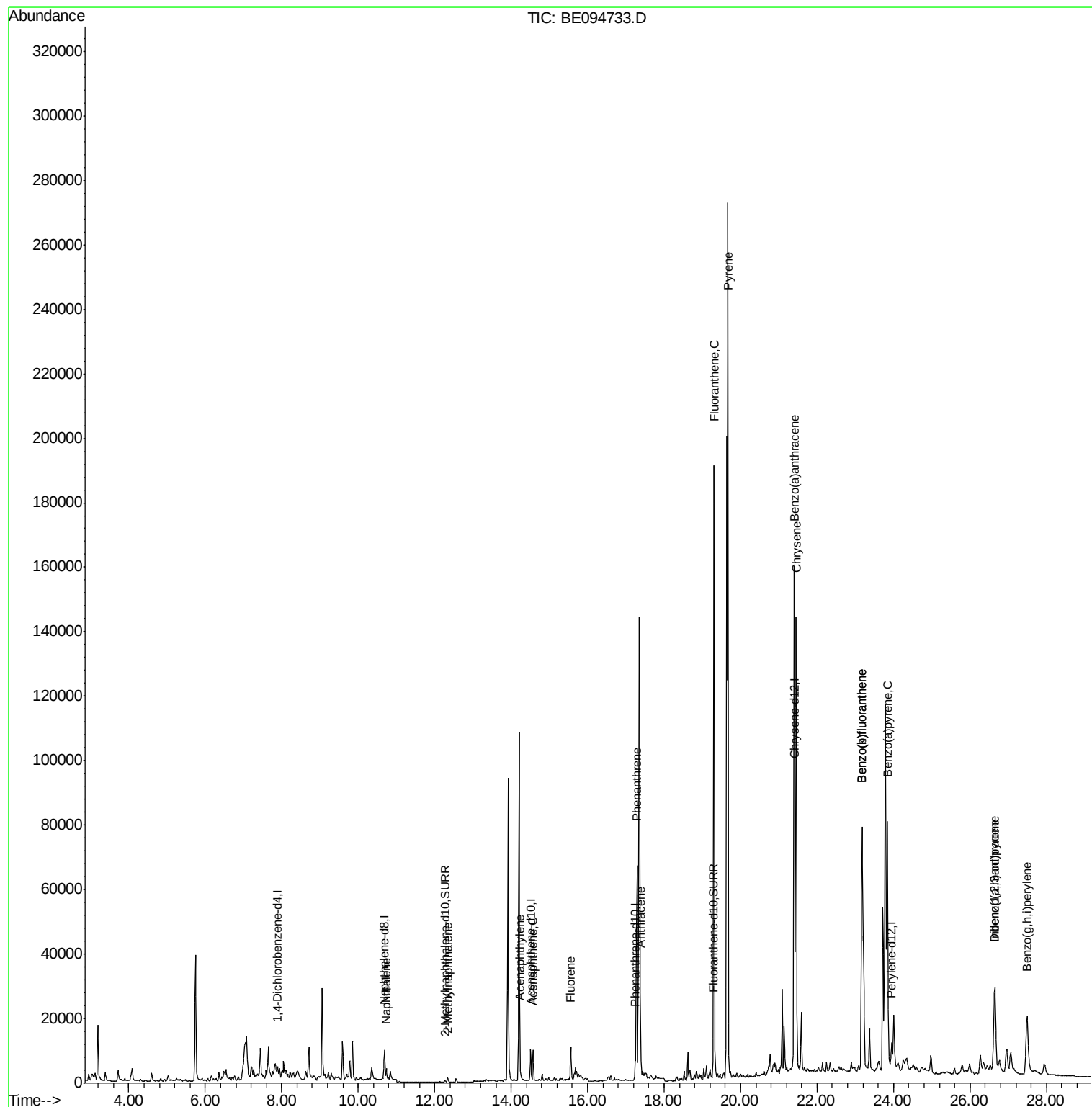
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	1814	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.68	136	10883	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	5873	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	12678	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	12322	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	12710	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	1030	0.06	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	2282	0.06	ng/ul	-0.01
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	4533	0.17	ng/ul#	89
5) 2-Methylnaphthalene	12.34	142	1339	0.07	ng/ul	95
7) Acenaphthylene	14.24	152	2525	0.10	ng/ul#	87
8) Acenaphthene	14.57	153	6222	0.33	ng/ul	95
9) Fluorene	15.56	166	6798	0.32	ng/ul	93
12) Phenanthrene	17.29	178	94552	2.82	ng/ul#	93
13) Anthracene	17.38	178	28941	0.88	ng/ul#	92
15) Fluoranthene	19.31	202	222314	5.74	ng/ul	84
17) Pyrene	19.67	202	304649	8.00	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	148548	4.22	ng/ul#	88
19) Chrysene	21.46	228	145421	3.99	ng/ul	99
21) Benzo(b)fluoranthene	23.18	252	199030	5.57	ng/ul	85
22) Benzo(k)fluoranthene	23.18	252	199030	5.19	ng/ul#	87
23) Benzo(a)pyrene	23.84	252	123567	3.46	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.65	276	57552	1.56	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.64	278	15315	0.49	ng/ul	96
26) Benzo(a,h,i)perylene	27.49	276	52674	1.77	ng/ul	97

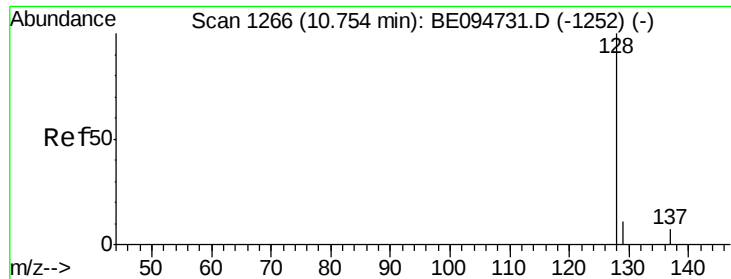
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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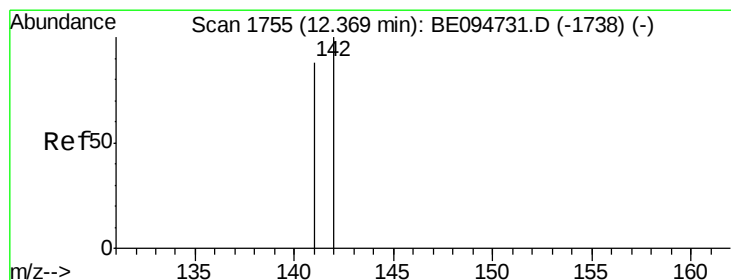
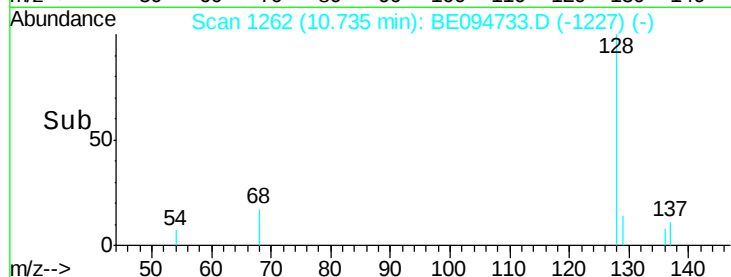
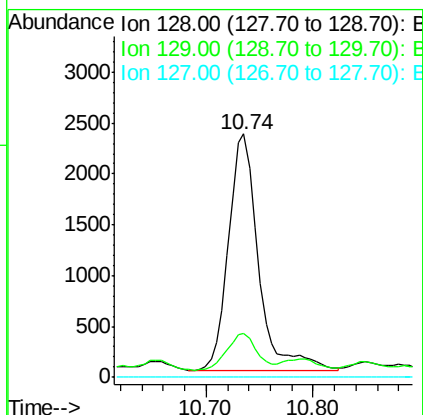
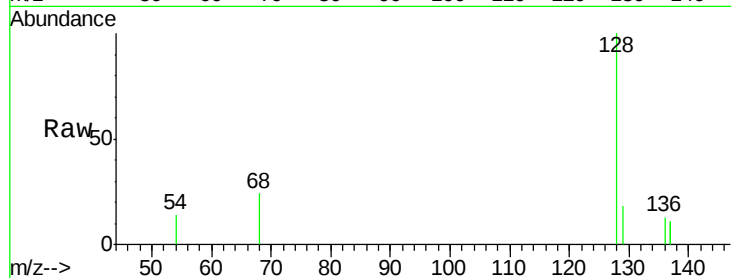




#3
Naphthalene
Concen: 0.17 ng/ul
RT: 10.74 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BE094733.D
Acq: 4 Nov 2017 6:22

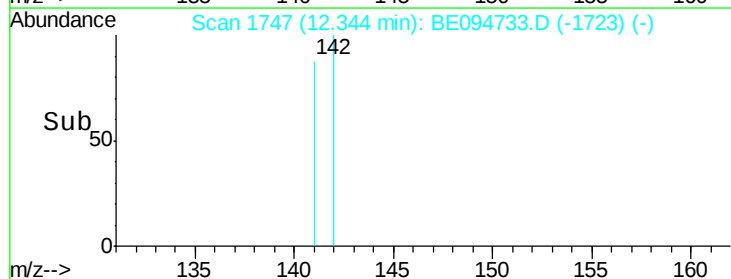
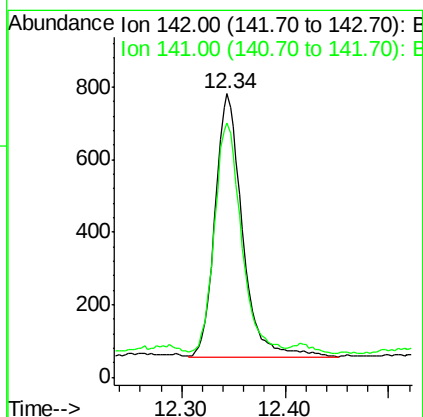
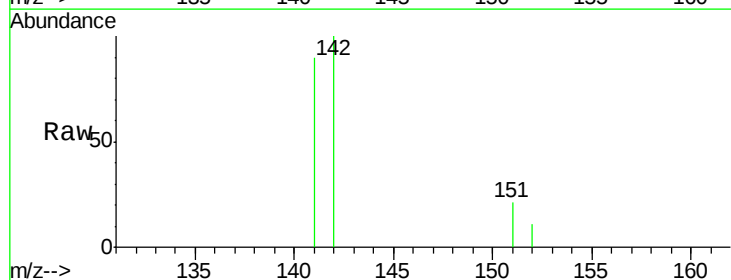
Instrument :
BNA_E
ClientSampleId :
B-9(5-6) 101617

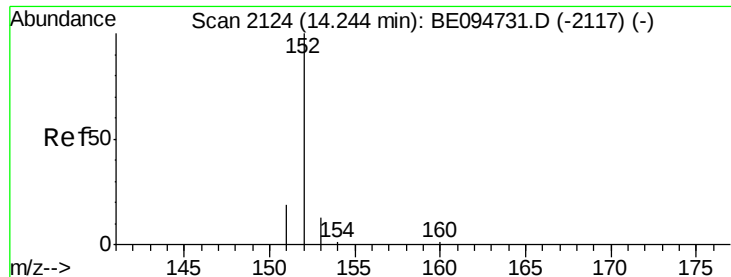
Tot Ion:128 Resp: 4533
Ion Ratio Lower Upper
128 100
129 17.9 11.3 16.9#
127 0.0 4.0 6.0#



#5
2-Methylnaphthalene
Concen: 0.07 ng/ul
RT: 12.34 min Scan# 1747
Delta R.T. -0.03 min
Lab File: BE094733.D
Acq: 4 Nov 2017 6:22

Tgt Ion:142 Resp: 1339
Ion Ratio Lower Upper
142 100
141 86.0 72.6 108.8





#7

Acenaphthylene

Concen: 0.10 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094733.D

Acq: 4 Nov 2017 6:22

Instrument :

BNA_E

ClientSampleId :

B-9(5-6) 101617

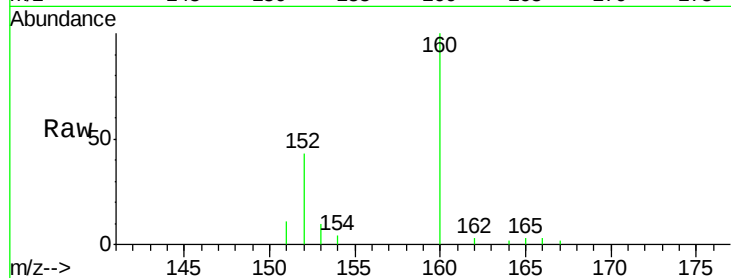
Tot Ion:152 Resp: 2525

Ion Ratio Lower Upper

152 100

151 26.5 17.1 25.7#

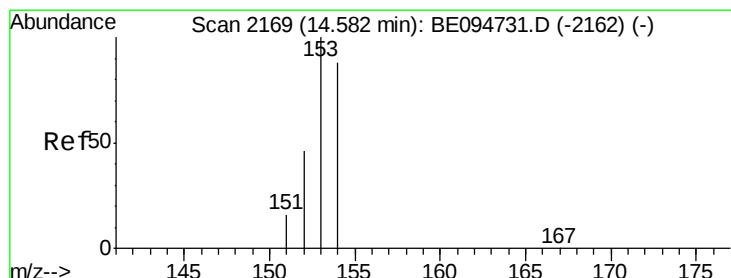
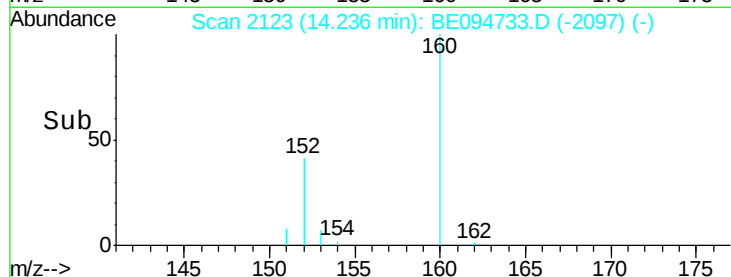
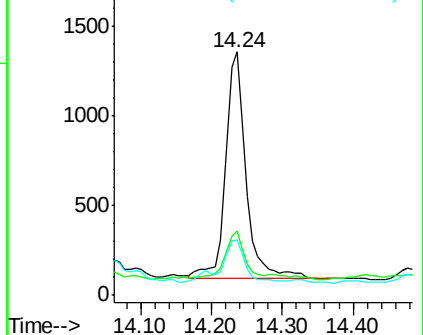
153 22.5 12.8 19.2#



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: 0.33 ng/ul

RT: 14.57 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BE094733.D

Acq: 4 Nov 2017 6:22

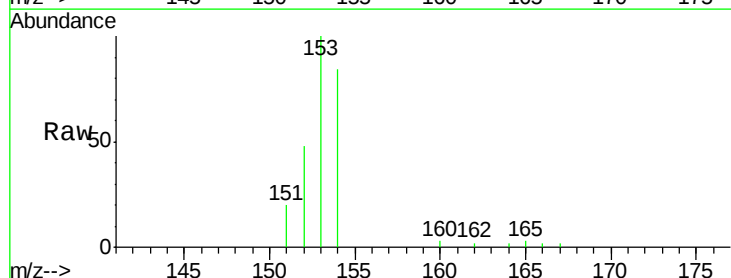
Tgt Ion:153 Resp: 6222

Ion Ratio Lower Upper

153 100

152 47.6 36.0 54.0

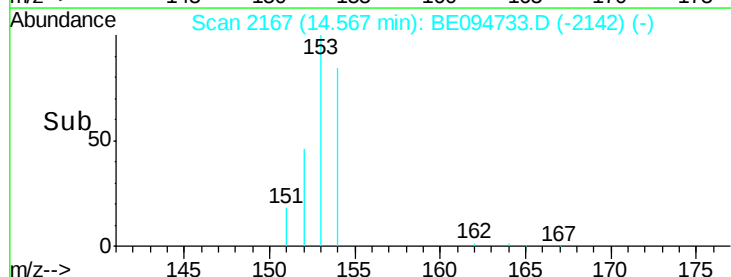
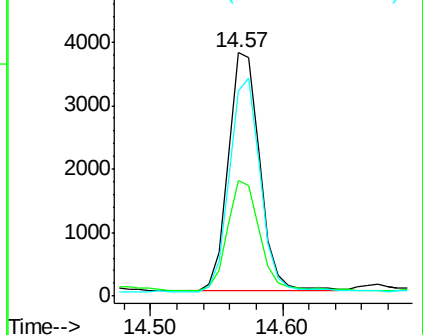
154 84.2 72.0 108.0

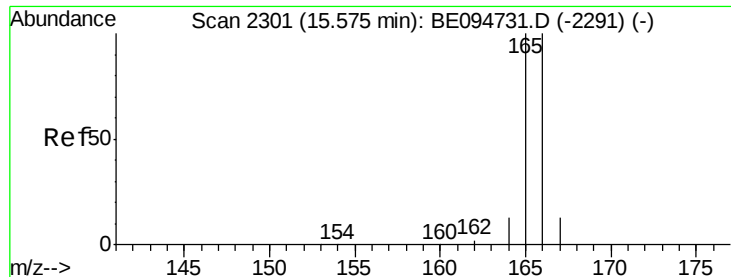


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.32 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094733.D

Acq: 4 Nov 2017 6:22

Instrument :

BNA_E

ClientSampleId :

B-9(5-6) 101617

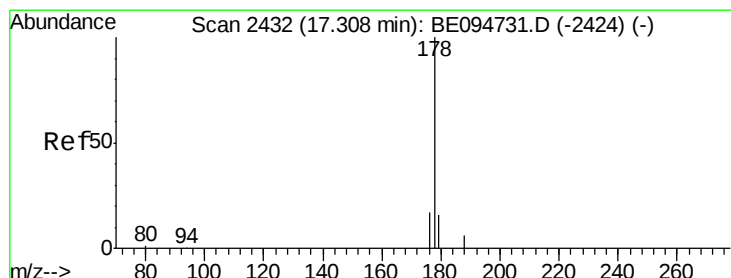
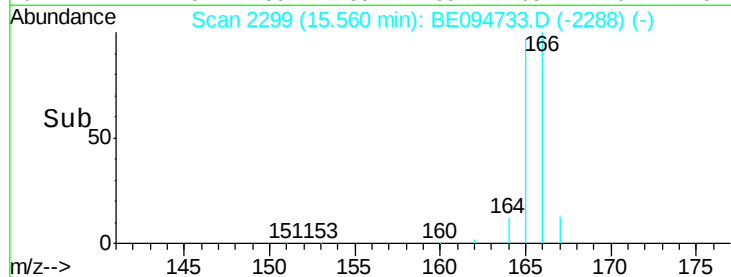
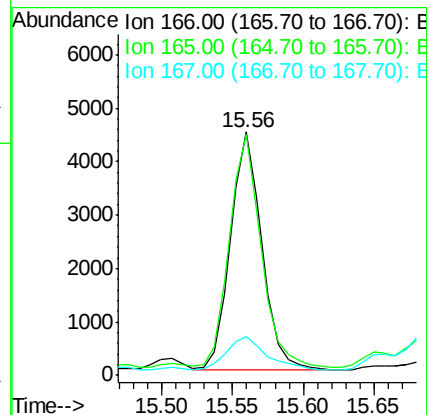
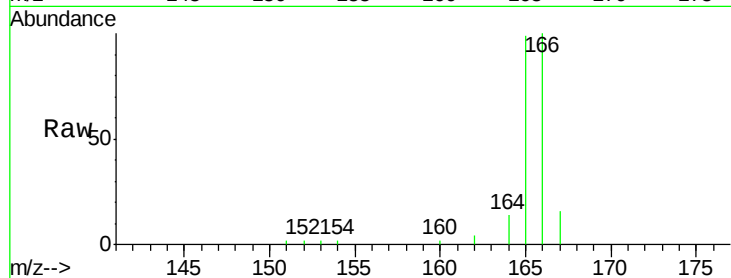
Tot Ion:166 Resp: 6798

Ion Ratio Lower Upper

166 100

165 98.9 73.4 110.2

167 15.8 14.6 22.0



#12

Phenanthrene

Concen: 2.82 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094733.D

Acq: 4 Nov 2017 6:22

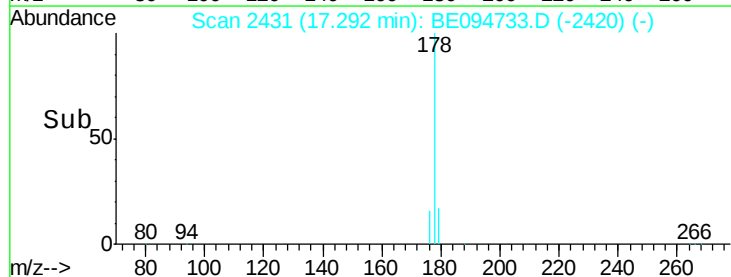
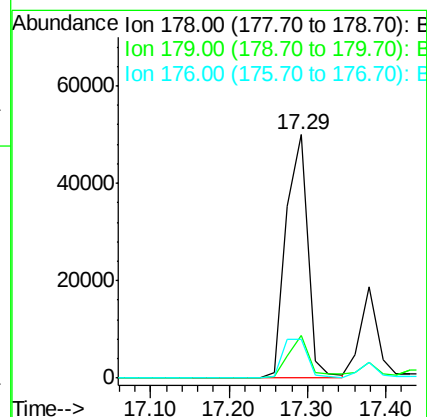
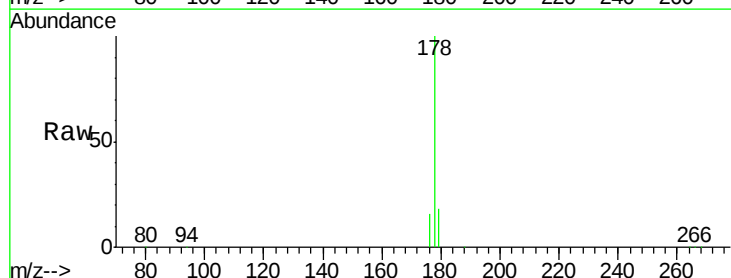
Tgt Ion:178 Resp: 94552

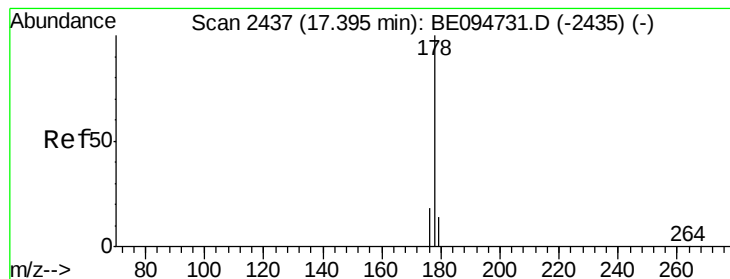
Ion Ratio Lower Upper

178 100

179 17.7 18.4 27.6#

176 16.0 13.6 20.4





#13

Anthracene

Concen: 0.88 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094733.D

Acq: 4 Nov 2017 6:22

Instrument :

BNA_E

ClientSampleId :

B-9(5-6) 101617

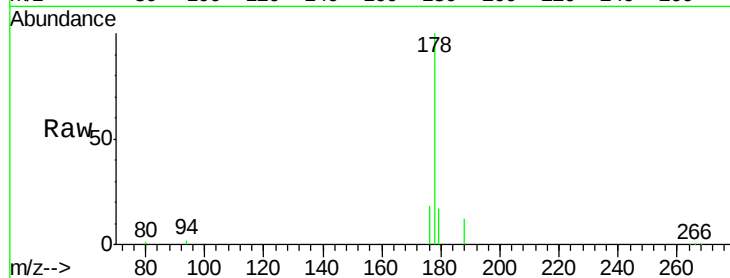
Tot Ion:178 Resp: 28941

Ion Ratio Lower Upper

178 100

179 16.7 18.1 27.1#

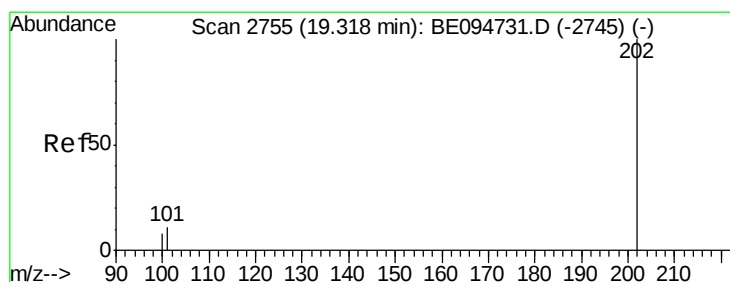
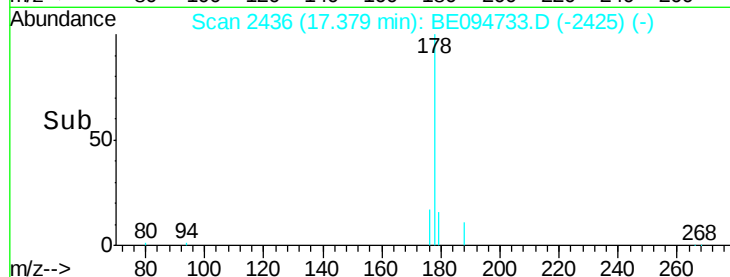
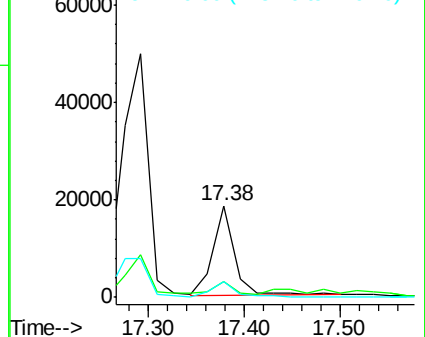
176 17.5 14.7 22.1



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: 5.74 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094733.D

Acq: 4 Nov 2017 6:22

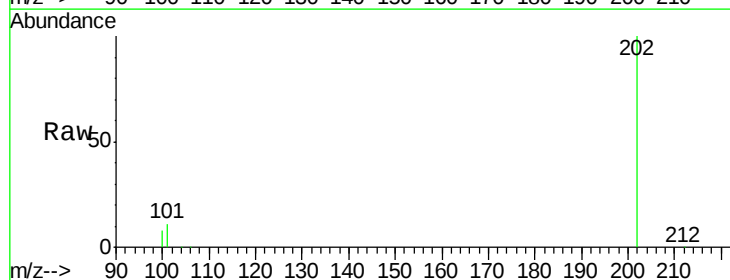
Tgt Ion:202 Resp: 222314

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.3

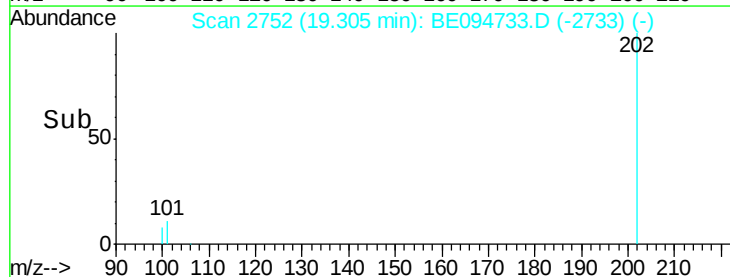
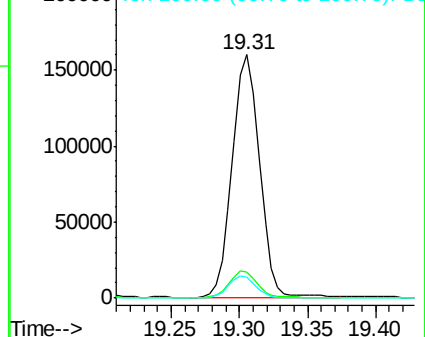
100 8.4 0.0 39.5

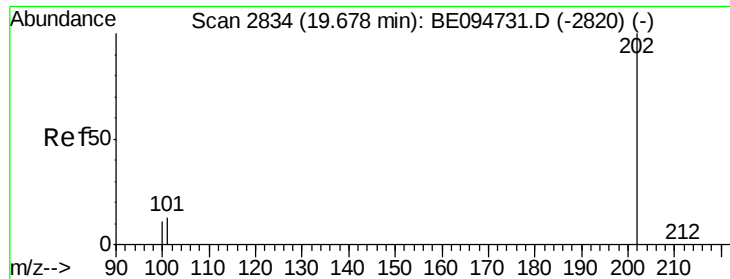


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

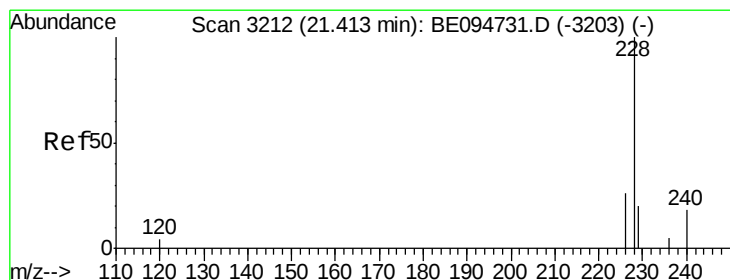
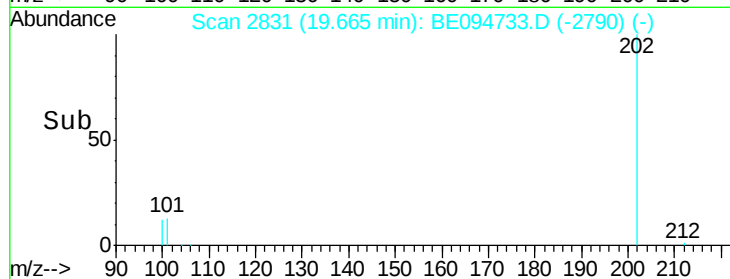
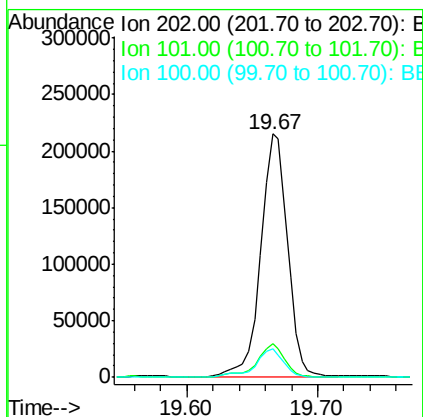
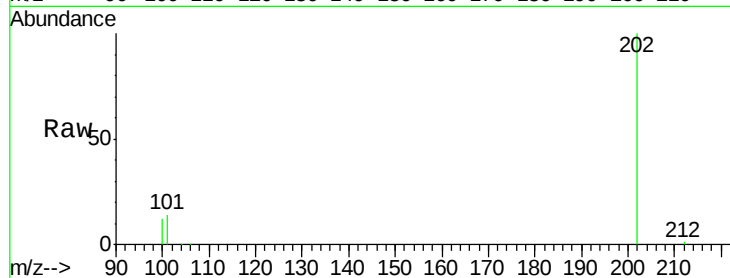




#17
Pvrene
Concen: 8.00 ng/ul
RT: 19.67 min Scan# 2831
Delta R.T. -0.01 min
Lab File: BE094733.D
Acq: 4 Nov 2017 6:22

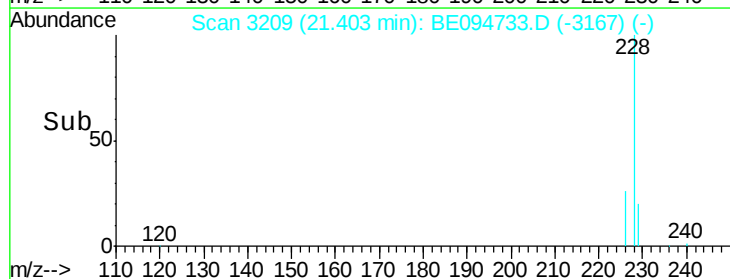
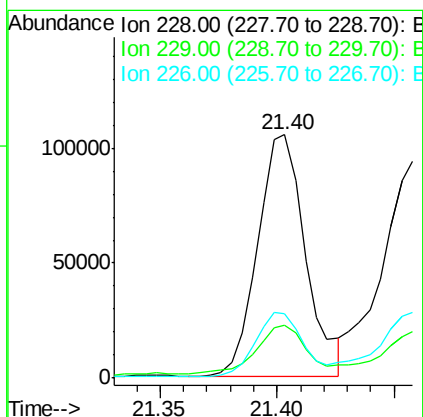
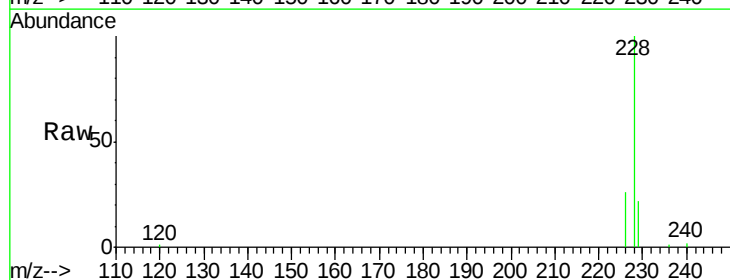
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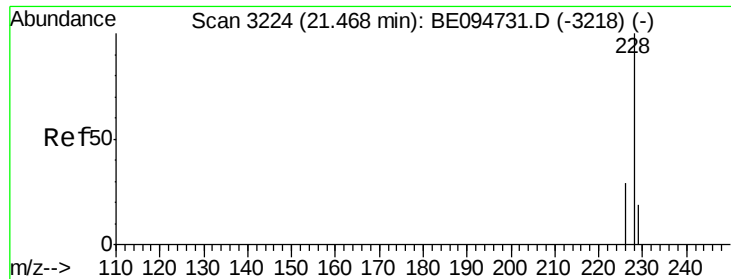
Tot Ion:202 Resp: 304649
Ion Ratio Lower Upper
202 100
101 13.6 18.2 27.4#
100 11.6 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 4.22 ng/ul
RT: 21.40 min Scan# 3209
Delta R.T. -0.01 min
Lab File: BE094733.D
Acq: 4 Nov 2017 6:22

Tgt Ion:228 Resp: 148548
Ion Ratio Lower Upper
228 100
229 21.8 22.8 34.2#
226 26.3 17.0 25.6#





#19

Chrysene

Concen: 3.99 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094733.D

Acq: 4 Nov 2017 6:22

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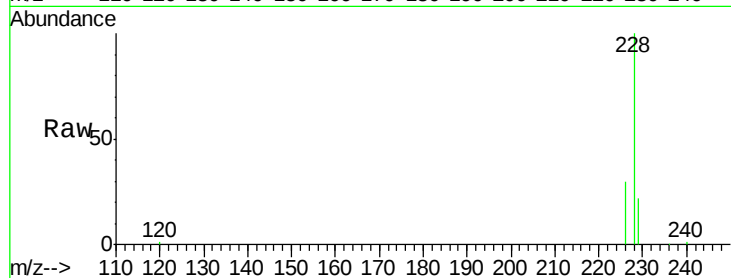
Tot Ion:228 Resp: 145421

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.0

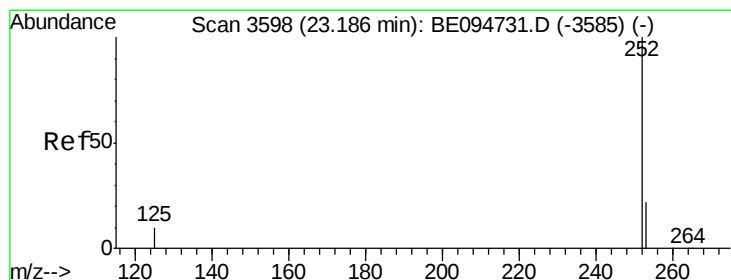
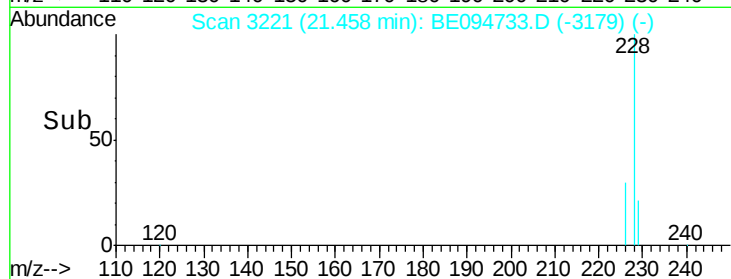
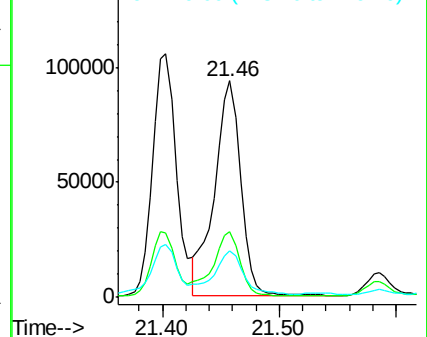
229 21.8 17.7 26.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 5.57 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BE094733.D

Acq: 4 Nov 2017 6:22

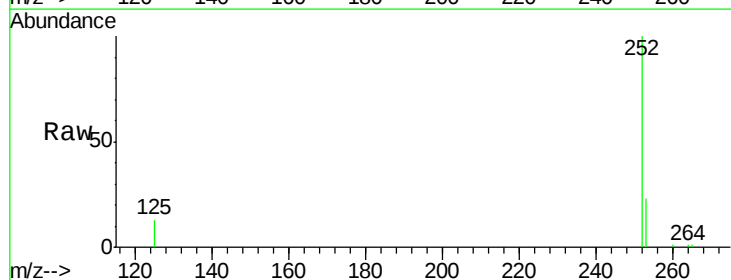
Tgt Ion:252 Resp: 199030

Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

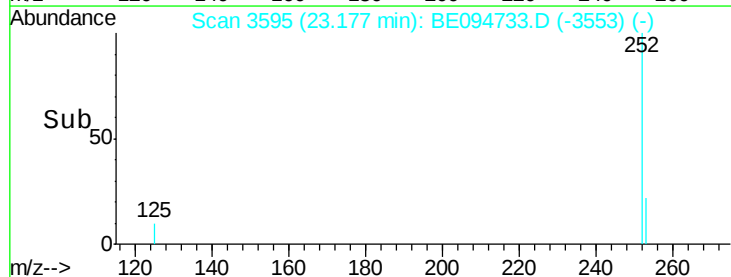
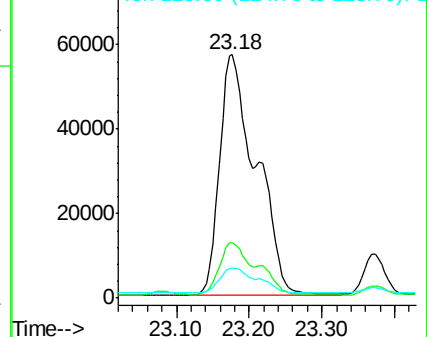
125 12.5 0.0 35.0

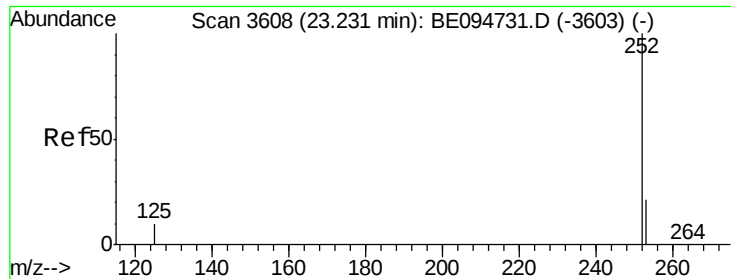


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 5.19 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.05 min

Lab File: BE094733.D

Acq: 4 Nov 2017 6:22

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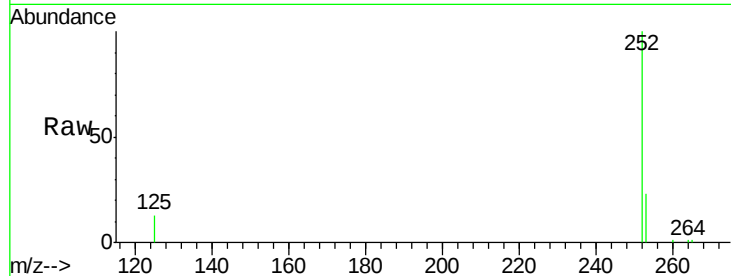
Tot Ion:252 Resp: 199030

Ion Ratio Lower Upper

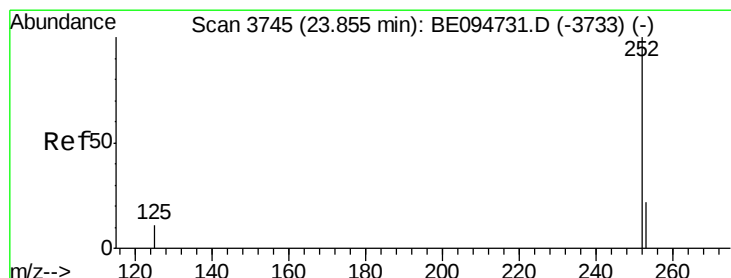
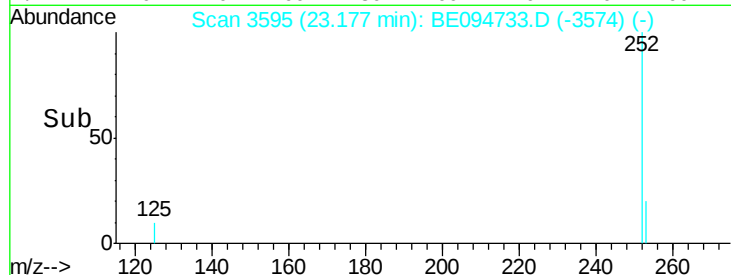
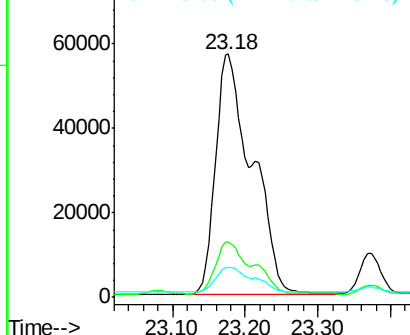
252 100

253 22.9 24.5 36.7#

125 12.5 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: 3.46 ng/ul

RT: 23.84 min Scan# 3740

Delta R.T. -0.02 min

Lab File: BE094733.D

Acq: 4 Nov 2017 6:22

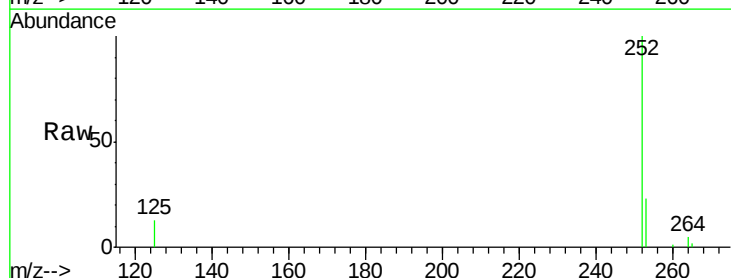
Tgt Ion:252 Resp: 123567

Ion Ratio Lower Upper

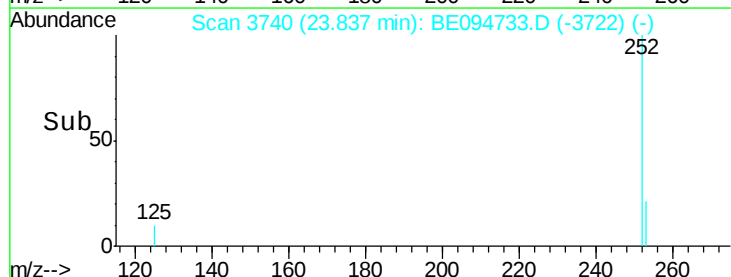
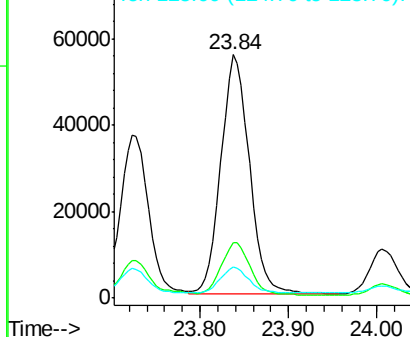
252 100

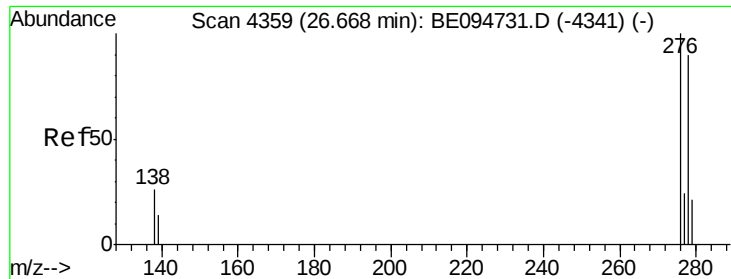
253 22.7 28.5 42.7#

125 12.8 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: 1.56 ng/ul

RT: 26.65 min Scan# 4354

Delta R.T. -0.02 min

Lab File: BE094733.D

Acq: 4 Nov 2017 6:22

Instrument :

BNA_E

ClientSampleId :

B-9(5-6) 101617

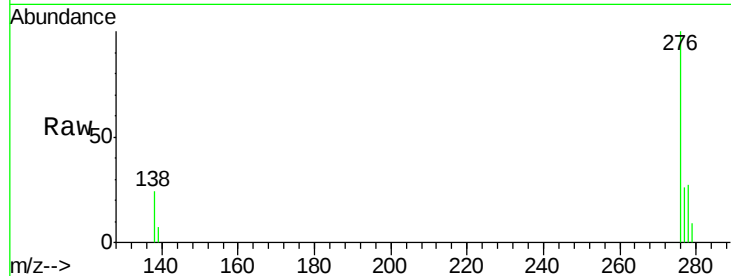
Tot Ion:276 Resp: 57552

Ion Ratio Lower Upper

276 100

138 19.8 28.0 42.0#

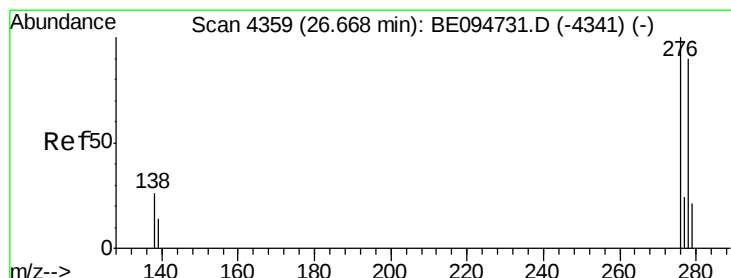
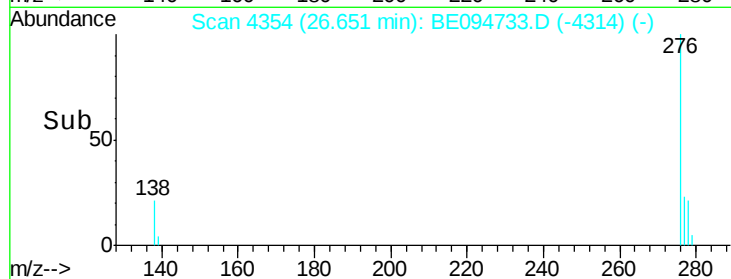
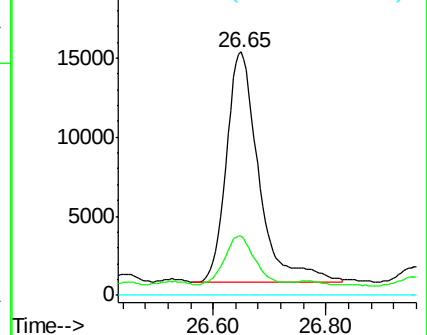
227 0.0 8.0 12.0#



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: 0.49 ng/ul

RT: 26.64 min Scan# 4351

Delta R.T. -0.03 min

Lab File: BE094733.D

Acq: 4 Nov 2017 6:22

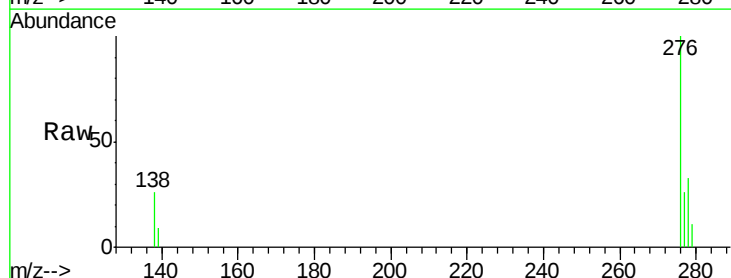
Tgt Ion:278 Resp: 15315

Ion Ratio Lower Upper

278 100

139 25.9 17.4 26.0

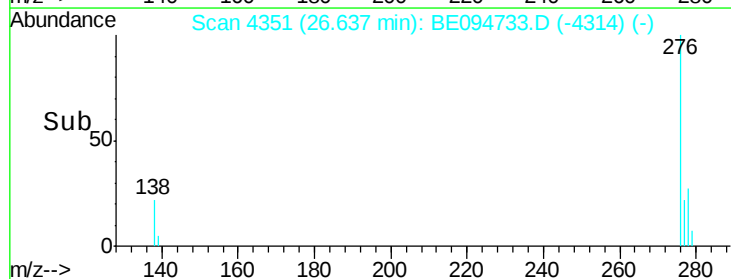
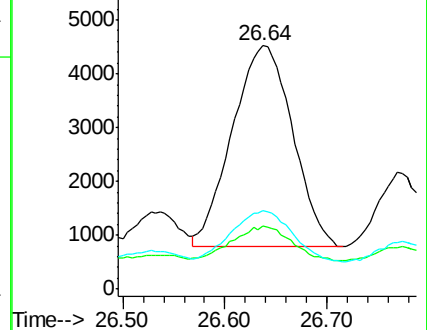
279 32.1 25.9 38.9

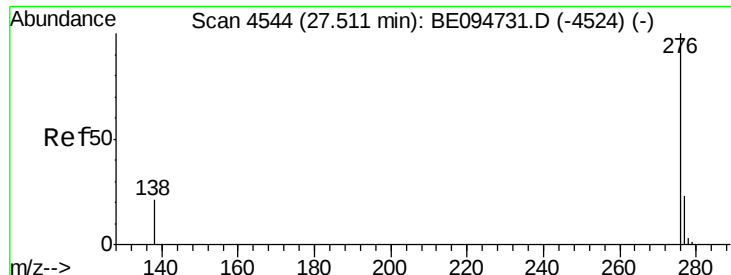


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 1.77 ng/ul

RT: 27.49 min Scan# 4539

Delta R.T. -0.02 min

Lab File: BE094733.D

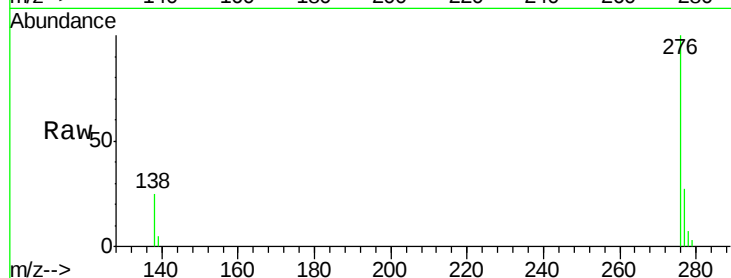
Acq: 4 Nov 2017 6:22

Instrument :

BNA_E

ClientSampleId :

B-9(5-6)_101617



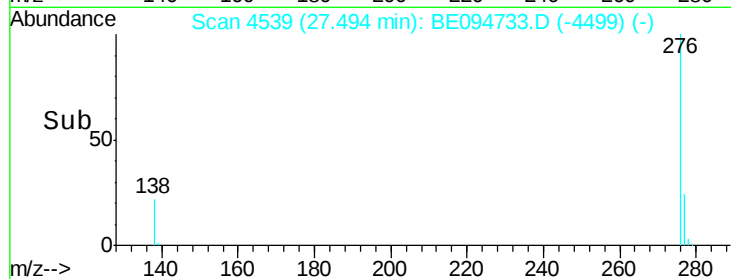
Tot Ion:276 Resp: 52674

Ion Ratio Lower Upper

276 100

138 24.9 21.8 32.8

277 26.6 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

