

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094721.D
 Acq On : 3 Nov 2017 23:18
 Operator : SJ/JU
 Sample : I5902-06 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-65(1.5-2.7)-101317

Quant Time: Nov 04 01:16:33 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 01:15:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1472	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	8780	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	4843	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10452	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	10493	0.40	ng/ul	-0.01
20) Perylene-d12	23.95	264	11521	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	802	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1938	0.06	ng/ul	0.00

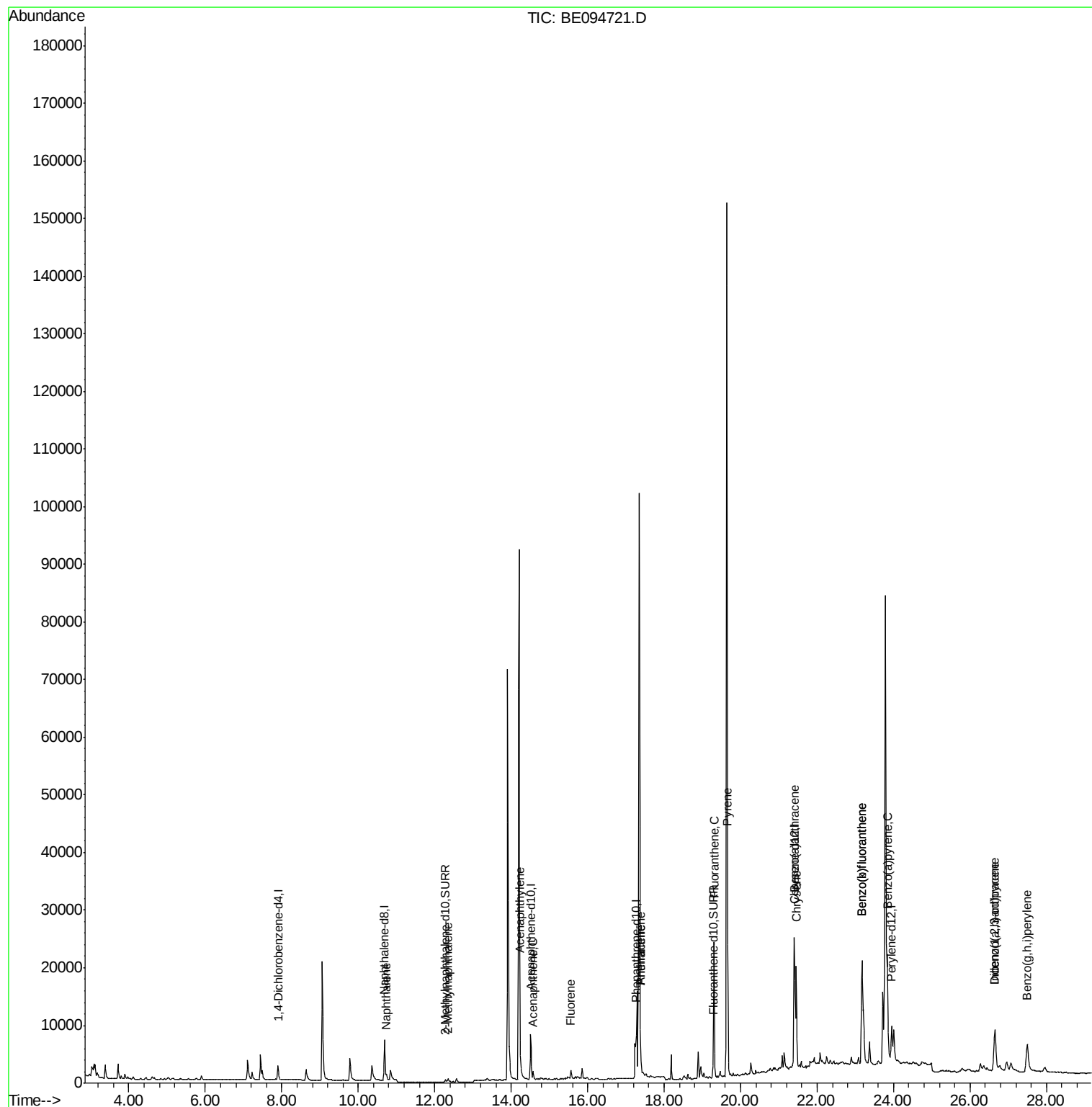
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	1660	0.08	ng/ul#	89
5) 2-Methylnaphthalene	12.35	142	711	0.05	ng/ul	100
7) Acenaphthylene	14.23	152	3103	0.14	ng/ul	97
8) Acenaphthene	14.57	153	931	0.06	ng/ul	92
9) Fluorene	15.56	166	1131	0.06	ng/ul#	89
12) Phenanthrene	17.38	178	5073	0.18	ng/ul	92
13) Anthracene	17.38	178	5699	0.21	ng/ul	94
15) Fluoranthene	19.30	202	27058	0.85	ng/ul	84
17) Pyrene	19.66	202	25756	0.79	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	20188	0.67	ng/ul#	87
19) Chrysene	21.45	228	21256	0.69	ng/ul	92
21) Benzo(b)fluoranthene	23.17	252	46614	1.44	ng/ul	91
22) Benzo(k)fluoranthene	23.17	252	46614	1.34	ng/ul	92
23) Benzo(a)pyrene	23.84	252	27042	0.83	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	26.65	276	17195	0.51	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.64	278	3934	0.14	ng/ul#	57
26) Benzo(a,h,i)perylene	27.49	276	14601	0.54	ng/ul	92

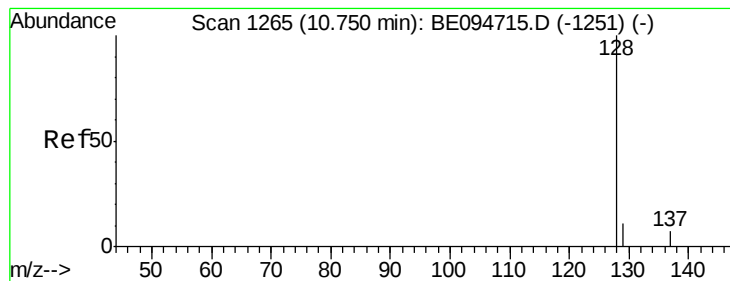
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.08 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094721.D

Acq: 3 Nov 2017 23:18

Instrument :

BNA_E

ClientSampleId :

B-65(1.5-2.7)-101317

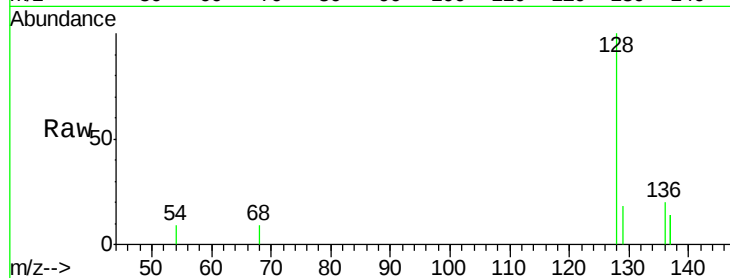
Tot Ion:128 Resp: 1660

Ion Ratio Lower Upper

128 100

129 18.0 11.3 16.9#

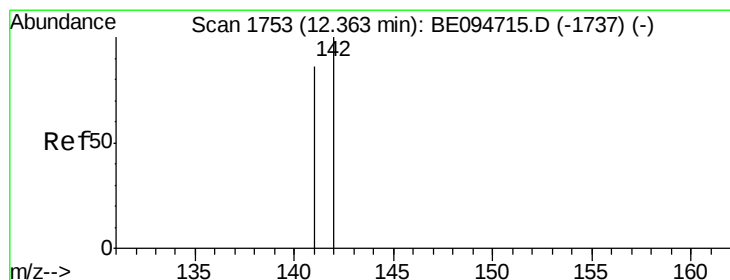
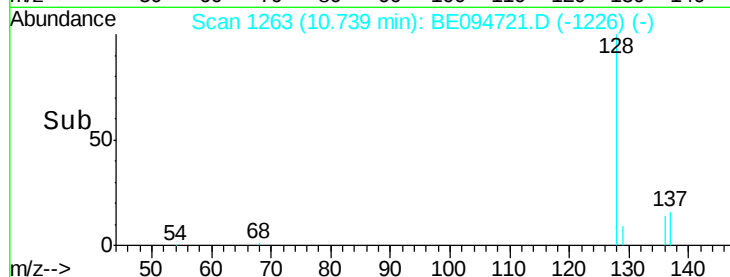
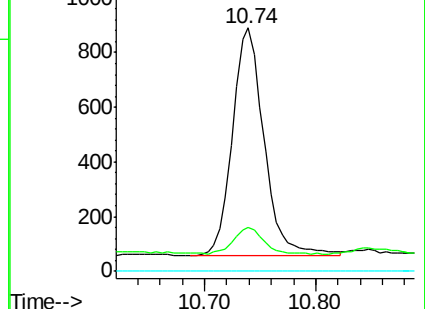
127 0.0 4.0 6.0#



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: 0.05 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094721.D

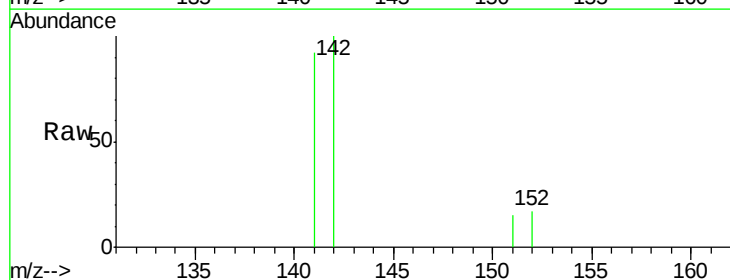
Acq: 3 Nov 2017 23:18

Tgt Ion:142 Resp: 711

Ion Ratio Lower Upper

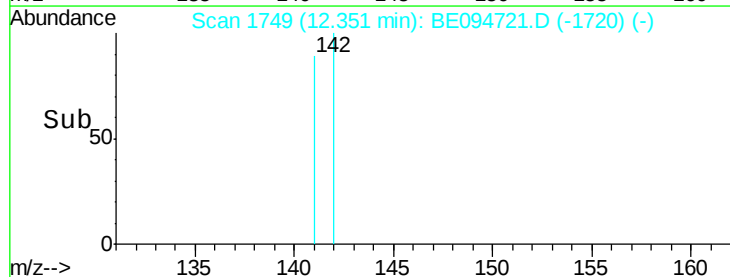
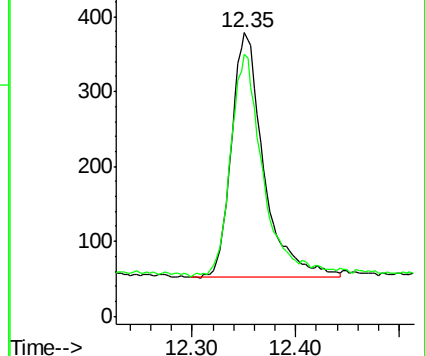
142 100

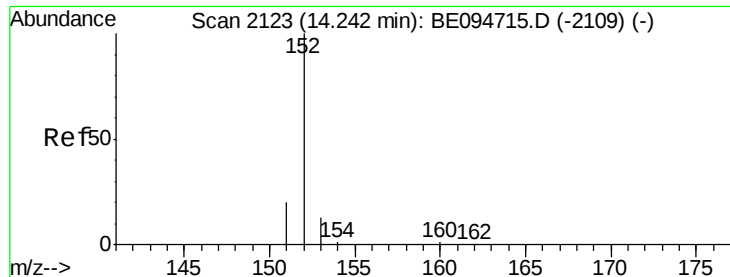
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.23 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BE094721.D

Acq: 3 Nov 2017 23:18

Instrument :

BNA_E

ClientSampleId :

B-65(1.5-2.7)-101317

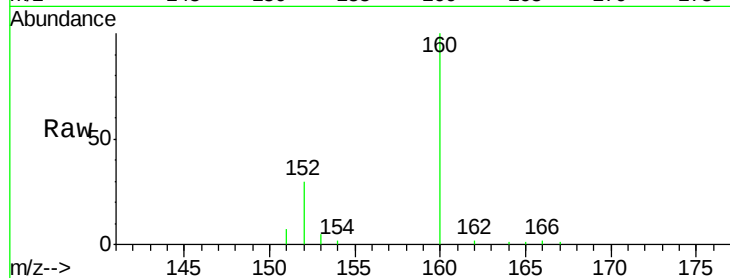
Tot Ion:152 Resp: 3103

Ion Ratio Lower Upper

152 100

151 22.9 17.1 25.7

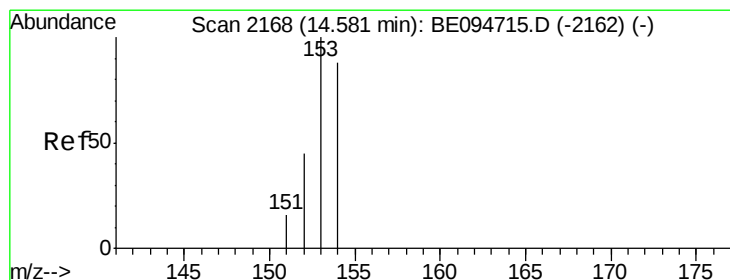
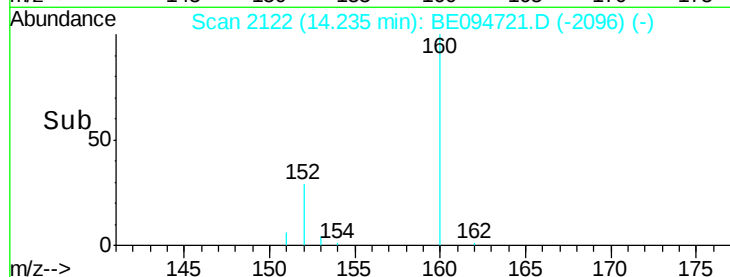
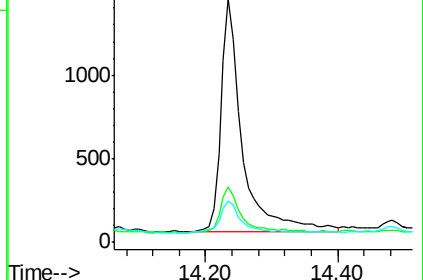
153 17.2 12.8 19.2



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: 0.06 ng/ul

RT: 14.57 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BE094721.D

Acq: 3 Nov 2017 23:18

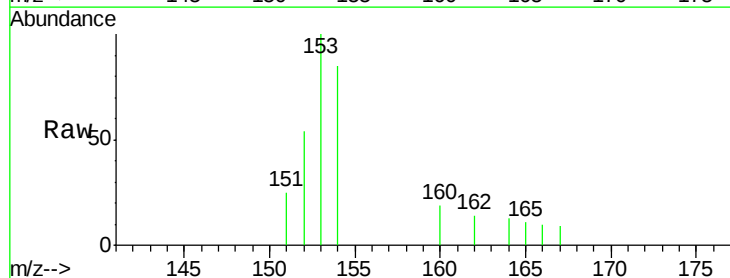
Tgt Ion:153 Resp: 931

Ion Ratio Lower Upper

153 100

152 53.7 36.0 54.0

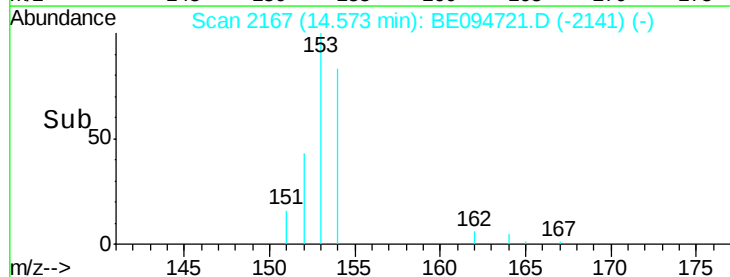
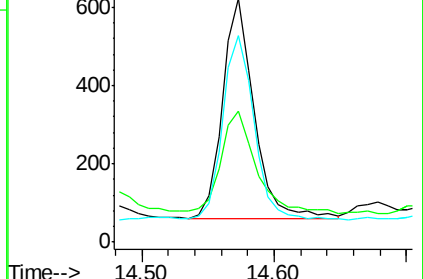
154 84.9 72.0 108.0

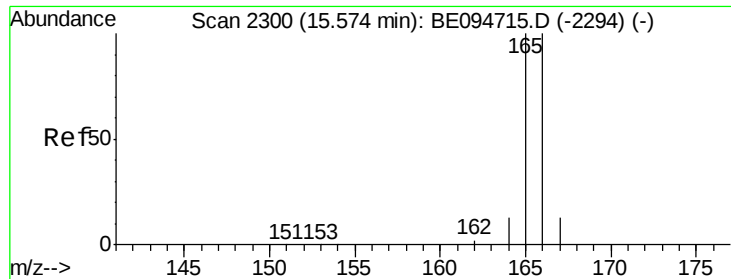


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.06 ng/ul

RT: 15.56 min Scan# 2298

Delta R.T. -0.02 min

Lab File: BE094721.D

Acq: 3 Nov 2017 23:18

Instrument :

BNA_E

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B-65(1.5-2.7)-101317

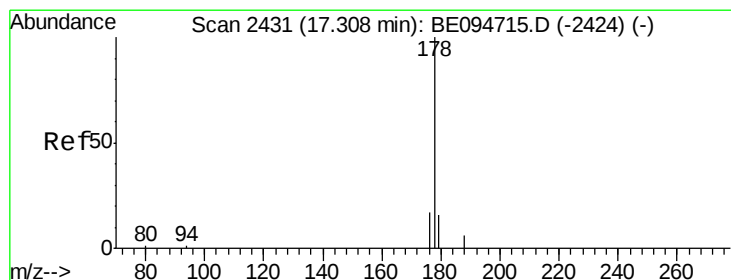
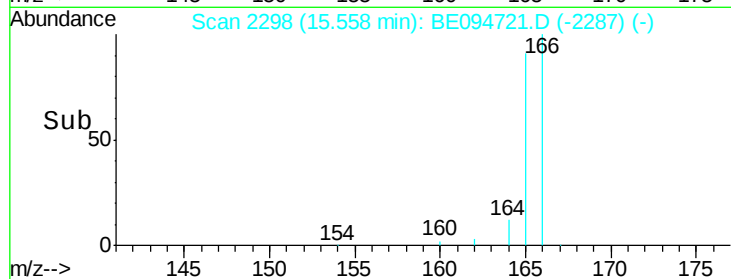
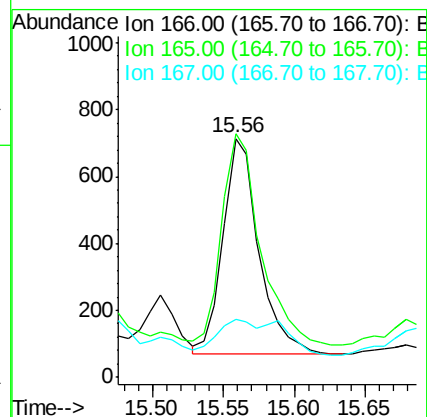
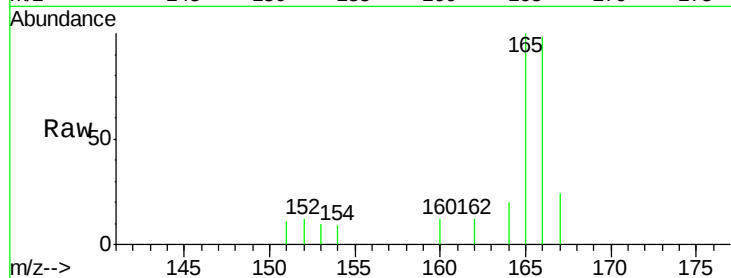
Tot Ion:166 Resp: 1131

Ion Ratio Lower Upper

166 100

165 102.1 73.4 110.2

167 24.1 14.6 22.0#



#12

Phenanthrene

Concen: 0.18 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. 0.07 min

Lab File: BE094721.D

Acq: 3 Nov 2017 23:18

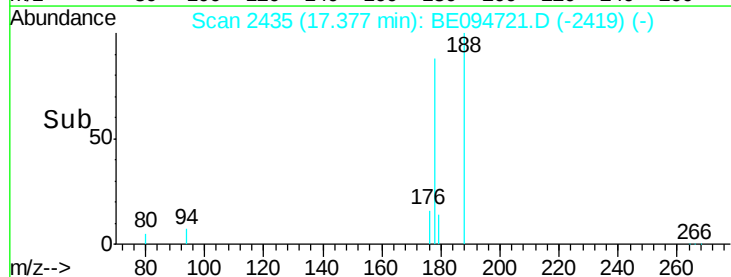
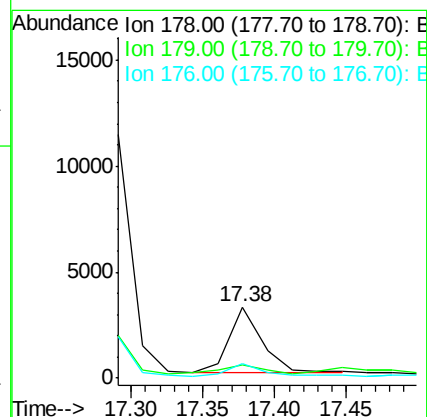
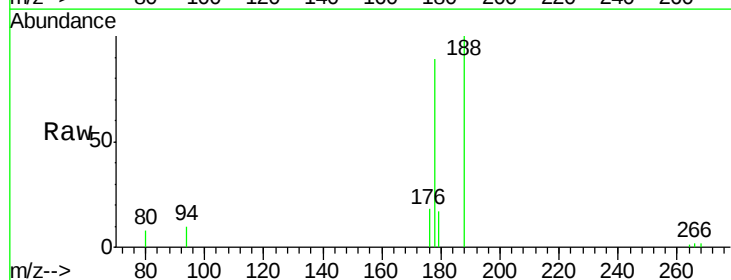
Tgt Ion:178 Resp: 5073

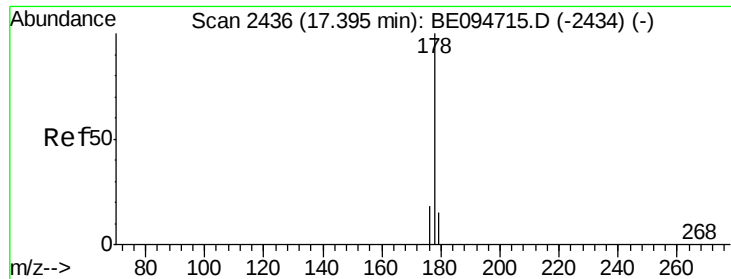
Ion Ratio Lower Upper

178 100

179 18.9 18.4 27.6

176 20.0 13.6 20.4





#13

Anthracene

Concen: 0.21 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. -0.02 min

Lab File: BE094721.D

Acq: 3 Nov 2017 23:18

Instrument :

BNA_E

ClientSampleId :

B-65(1.5-2.7)-101317

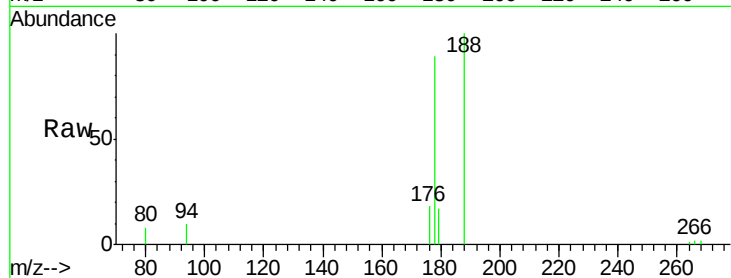
Tot Ion:178 Resp: 5699

Ion Ratio Lower Upper

178 100

179 18.9 18.1 27.1

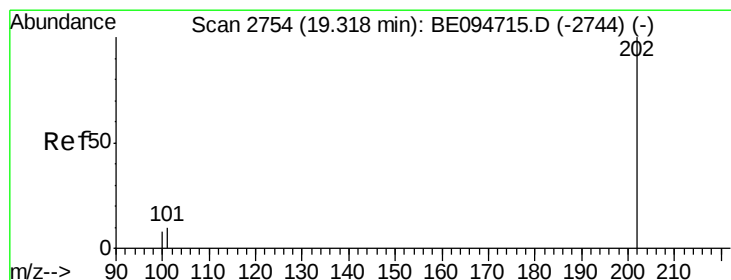
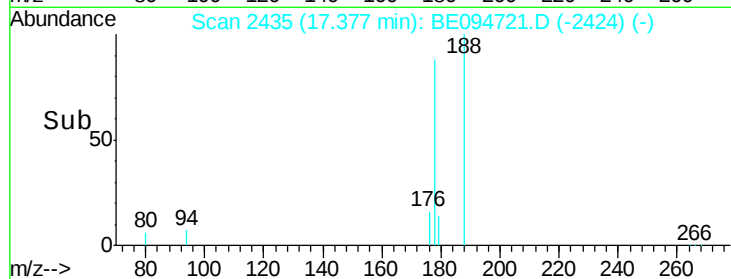
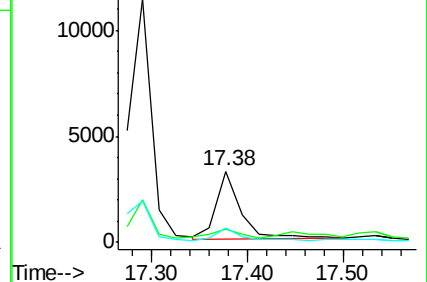
176 20.0 14.7 22.1



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: 0.85 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.01 min

Lab File: BE094721.D

Acq: 3 Nov 2017 23:18

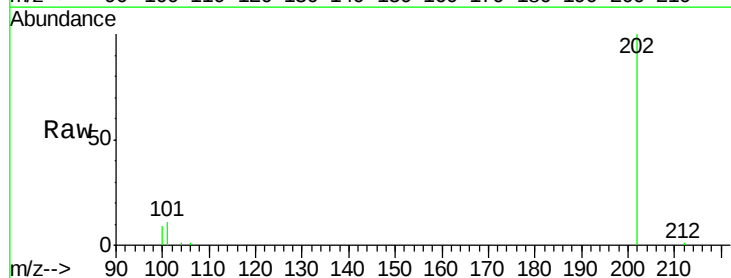
Tgt Ion:202 Resp: 27058

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.3

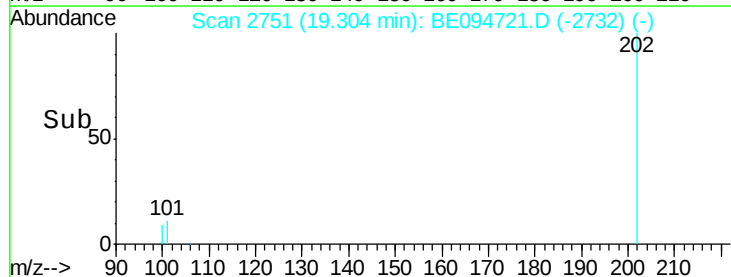
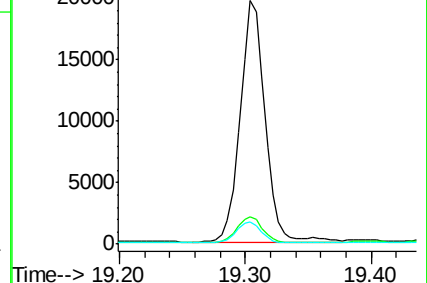
100 9.2 0.0 39.5

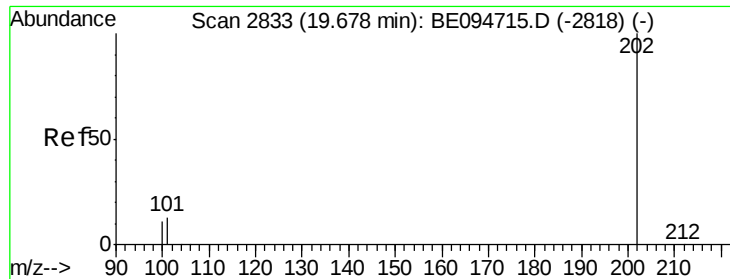


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 0.79 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BE094721.D

Acq: 3 Nov 2017 23:18

Instrument :

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B-65(1.5-2.7)-101317

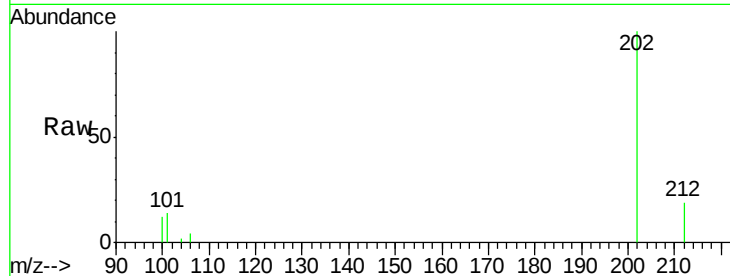
Tot Ion:202 Resp: 25756

Ion Ratio Lower Upper

202 100

101 13.8 18.2 27.4#

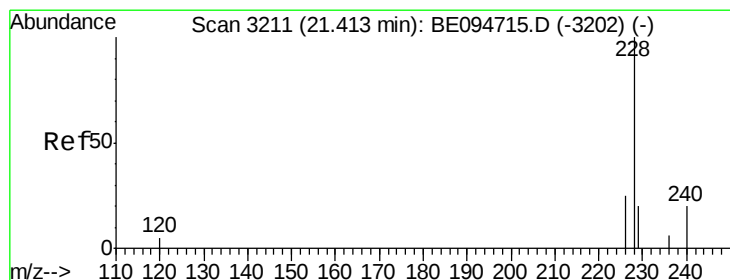
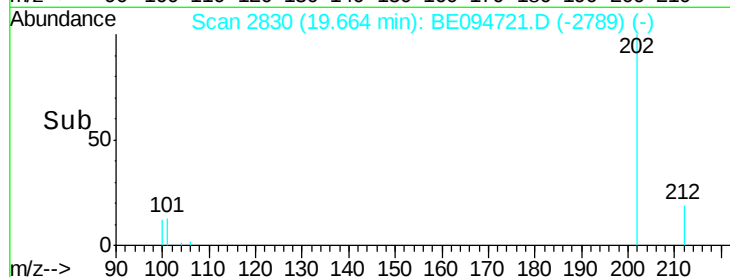
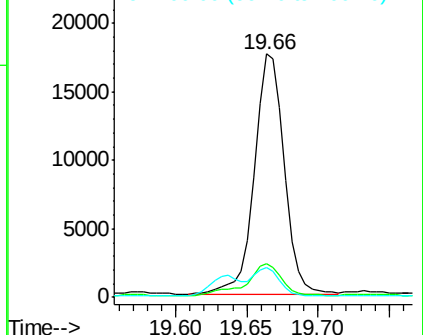
100 12.1 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 0.67 ng/ul

RT: 21.40 min Scan# 3208

Delta R.T. -0.01 min

Lab File: BE094721.D

Acq: 3 Nov 2017 23:18

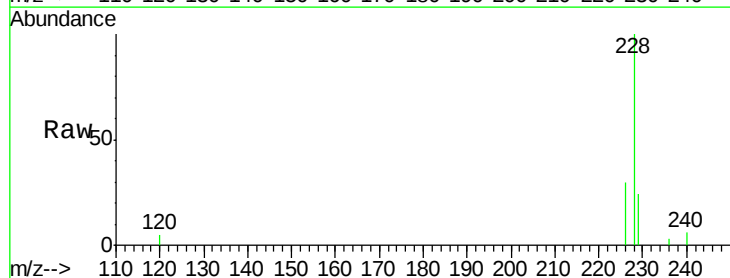
Tgt Ion:228 Resp: 20188

Ion Ratio Lower Upper

228 100

229 24.2 22.8 34.2

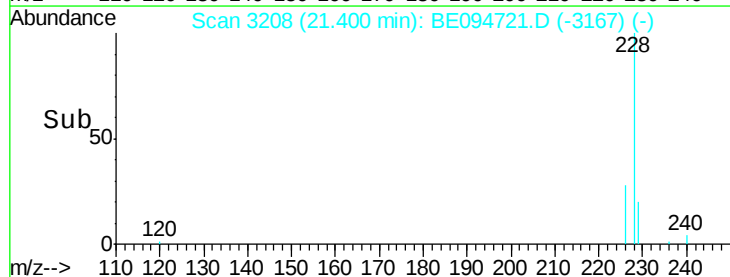
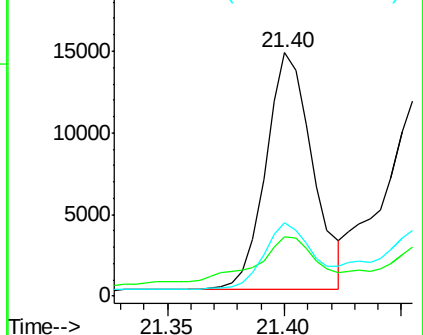
226 30.0 17.0 25.6#

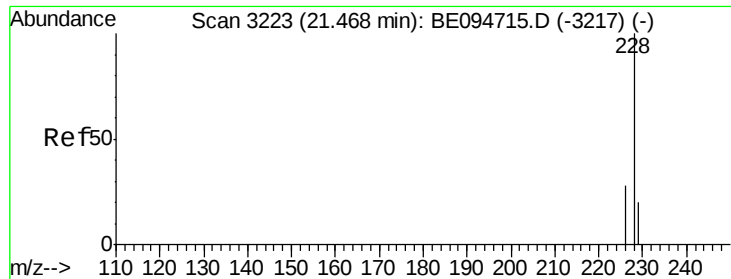


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.69 ng/ul

RT: 21.45 min Scan# 3220

Delta R.T. -0.01 min

Lab File: BE094721.D

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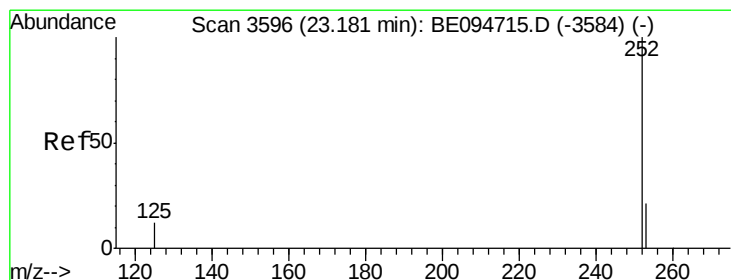
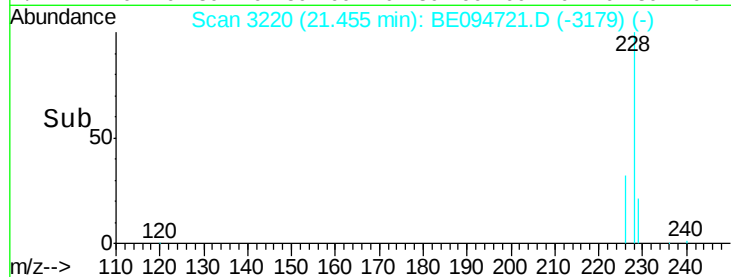
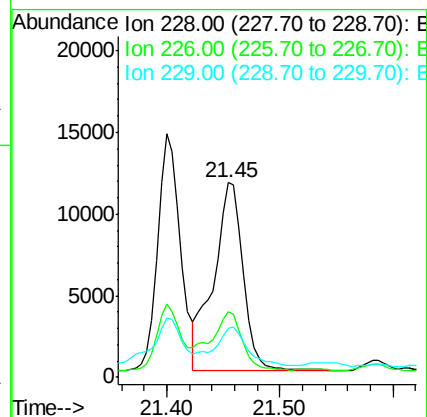
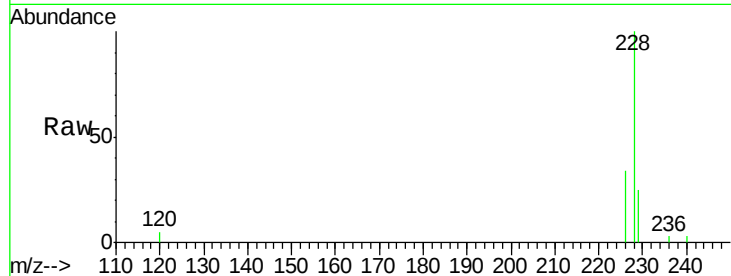
Tot Ion:228 Resp: 21256

Ion Ratio Lower Upper

228 100

226 33.8 23.4 35.0

229 25.4 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 1.44 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.01 min

Lab File: BE094721.D

Acq: 3 Nov 2017 23:18

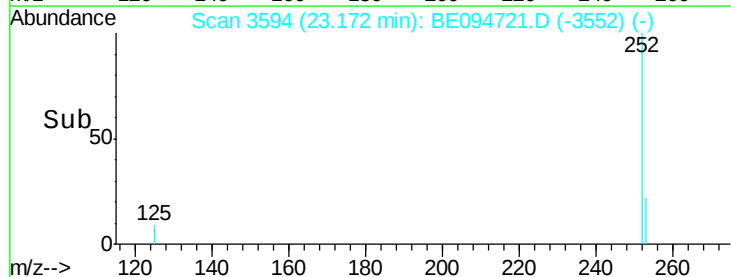
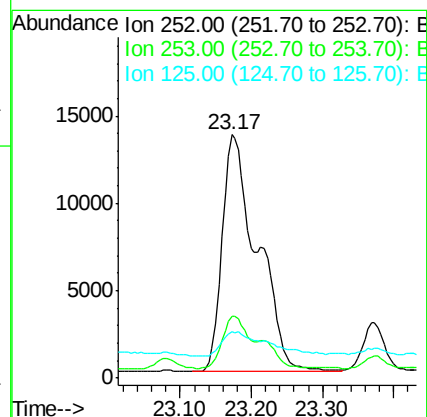
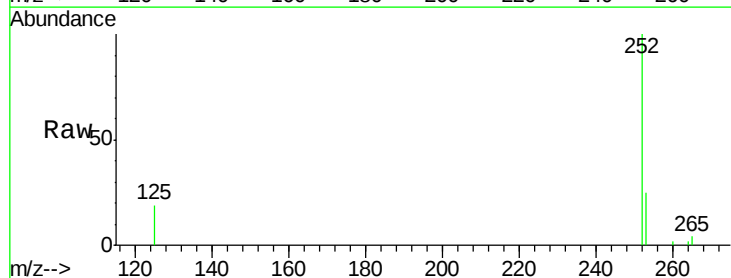
Tgt Ion:252 Resp: 46614

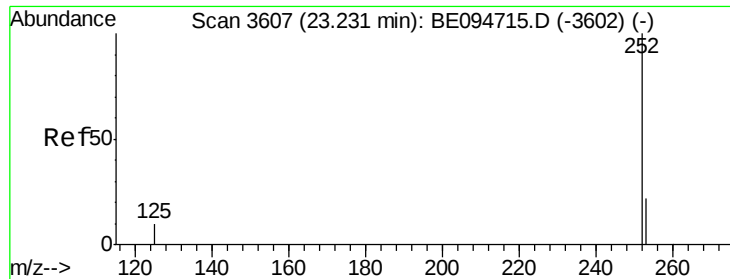
Ion Ratio Lower Upper

252 100

253 25.2 0.0 64.2

125 19.3 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 1.34 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.06 min

Lab File: BE094721.D

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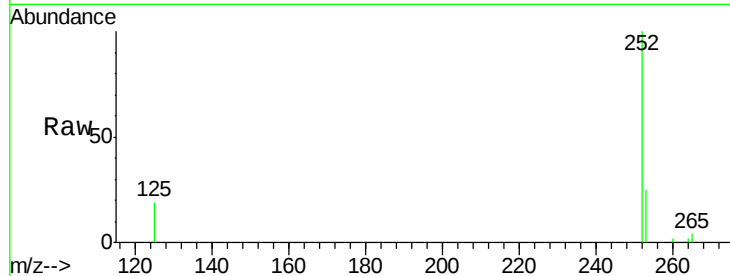
Tot Ion:252 Resp: 46614

Ion Ratio Lower Upper

252 100

253 25.2 24.5 36.7

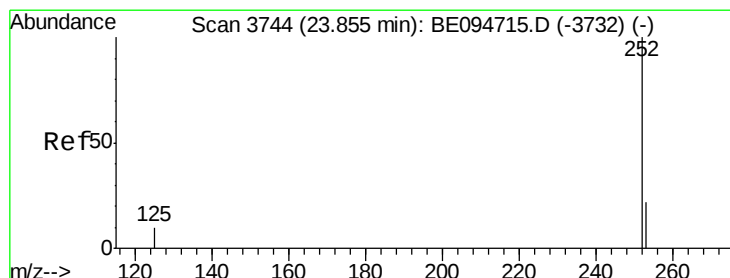
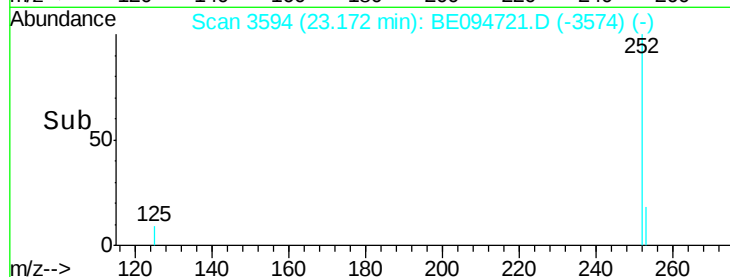
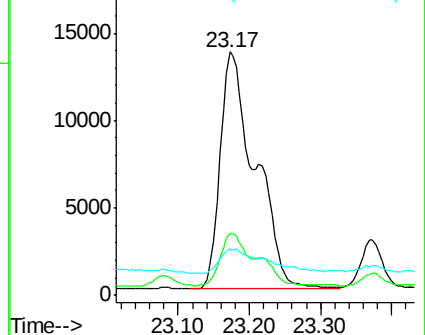
125 19.3 13.7 20.5



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: 0.83 ng/ul

RT: 23.84 min Scan# 3740

Delta R.T. -0.02 min

Lab File: BE094721.D

Acq: 3 Nov 2017 23:18

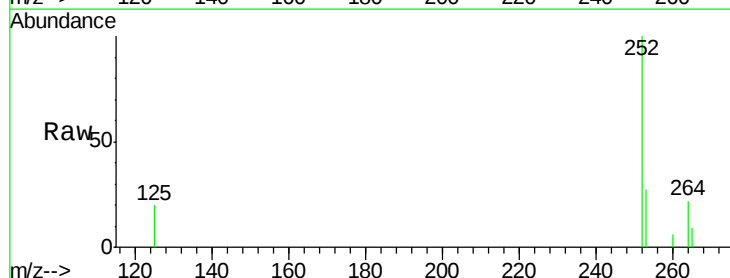
Tgt Ion:252 Resp: 27042

Ion Ratio Lower Upper

252 100

253 26.7 28.5 42.7#

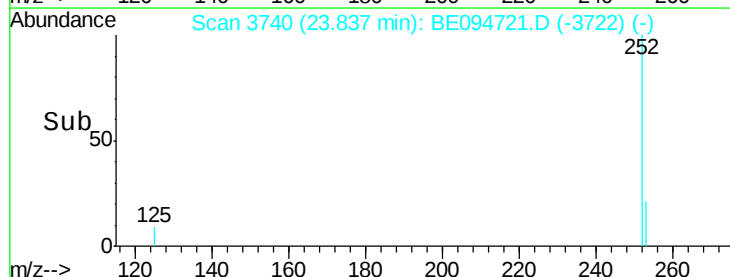
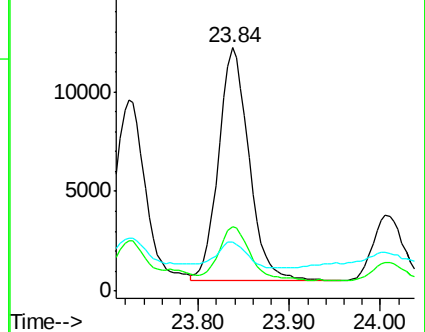
125 20.1 18.1 27.1

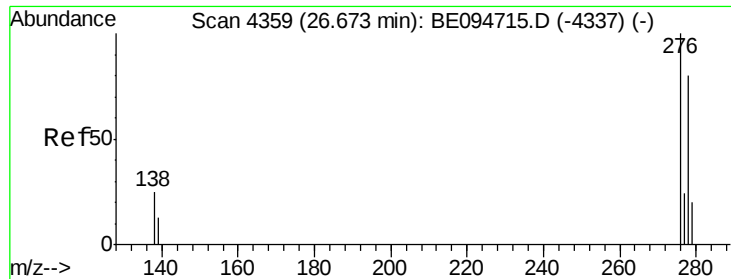


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.51 ng/ul

RT: 26.65 min Scan# 4355

Delta R.T. -0.02 min

Lab File: BE094721.D

Acq: 3 Nov 2017 23:18

Instrument :

BNA_E

ClientSampleId :

B-65(1.5-2.7)-101317

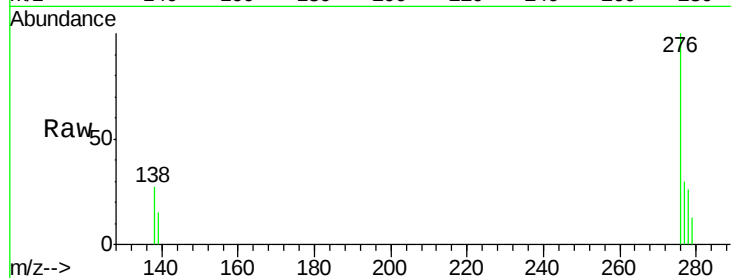
Tot Ion:276 Resp: 17195

Ion Ratio Lower Upper

276 100

138 20.1 28.0 42.0#

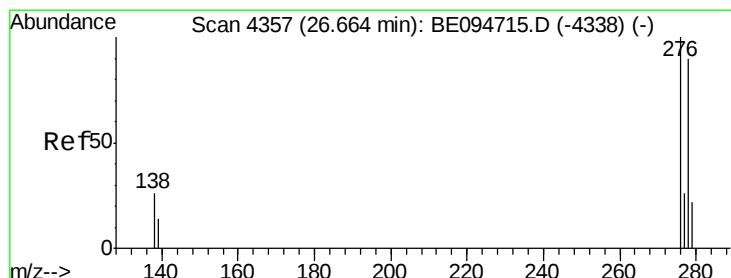
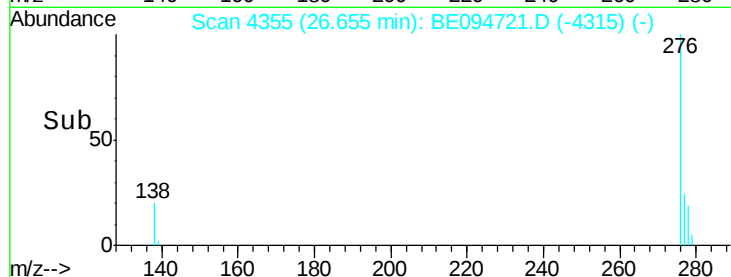
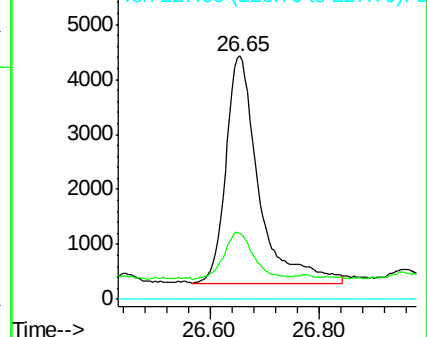
227 0.0 8.0 12.0#



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: 0.14 ng/ul

RT: 26.64 min Scan# 4352

Delta R.T. -0.02 min

Lab File: BE094721.D

Acq: 3 Nov 2017 23:18

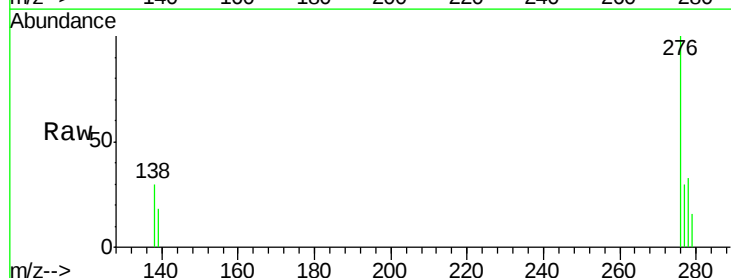
Tgt Ion:278 Resp: 3934

Ion Ratio Lower Upper

278 100

139 54.3 17.4 26.0#

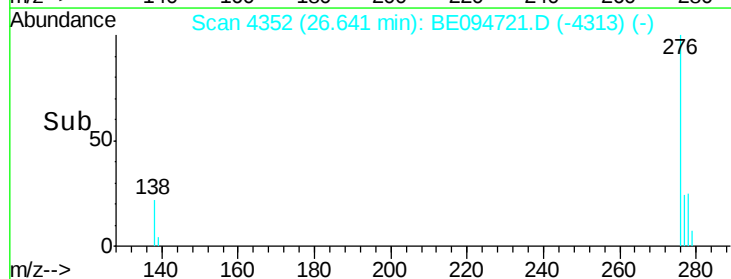
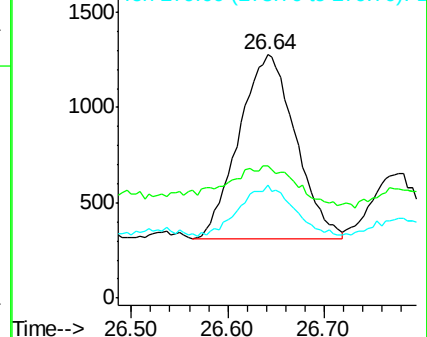
279 46.5 25.9 38.9#

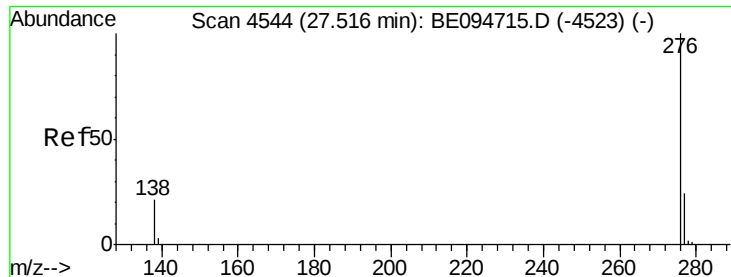


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.54 ng/ul

RT: 27.49 min Scan# 4539

Delta R.T. -0.02 min

Lab File: BE094721.D

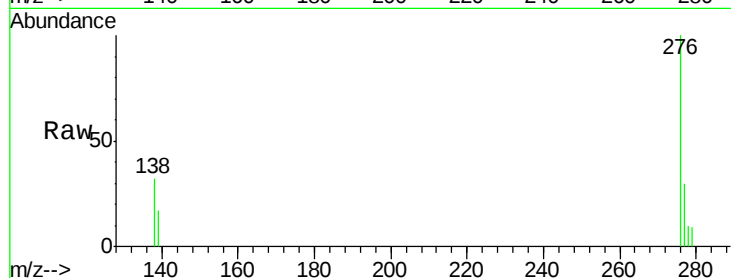
Acq: 3 Nov 2017 23:18

Instrument :

BNA_E

ClientSampleId :

B-65(1.5-2.7)-101317



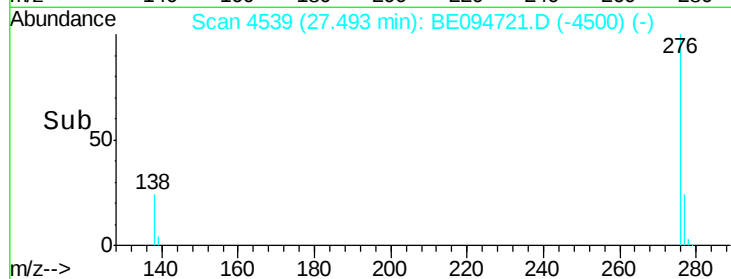
Tot Ion: 276 Resp: 14601

Ion Ratio Lower Upper

276 100

138 31.6 21.8 32.8

277 29.7 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

