

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094710.D
 Acq On : 3 Nov 2017 16:47
 Operator : SJ/JU
 Sample : I5825-08 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-62(5-5.5)-101117

Quant Time: Nov 03 23:59:45 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 23:54:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	1776	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.68	136	9053	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.51	164	5286	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	10756	0.40	ng/ul	-0.03
16) Chrysene-d12	21.42	240	11129	0.40	ng/ul	-0.01
20) Perylene-d12	23.95	264	11351	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	760	0.05	ng/ul	-0.03
14) Fluoranthene-d10	19.28	212	1756	0.06	ng/ul	-0.01

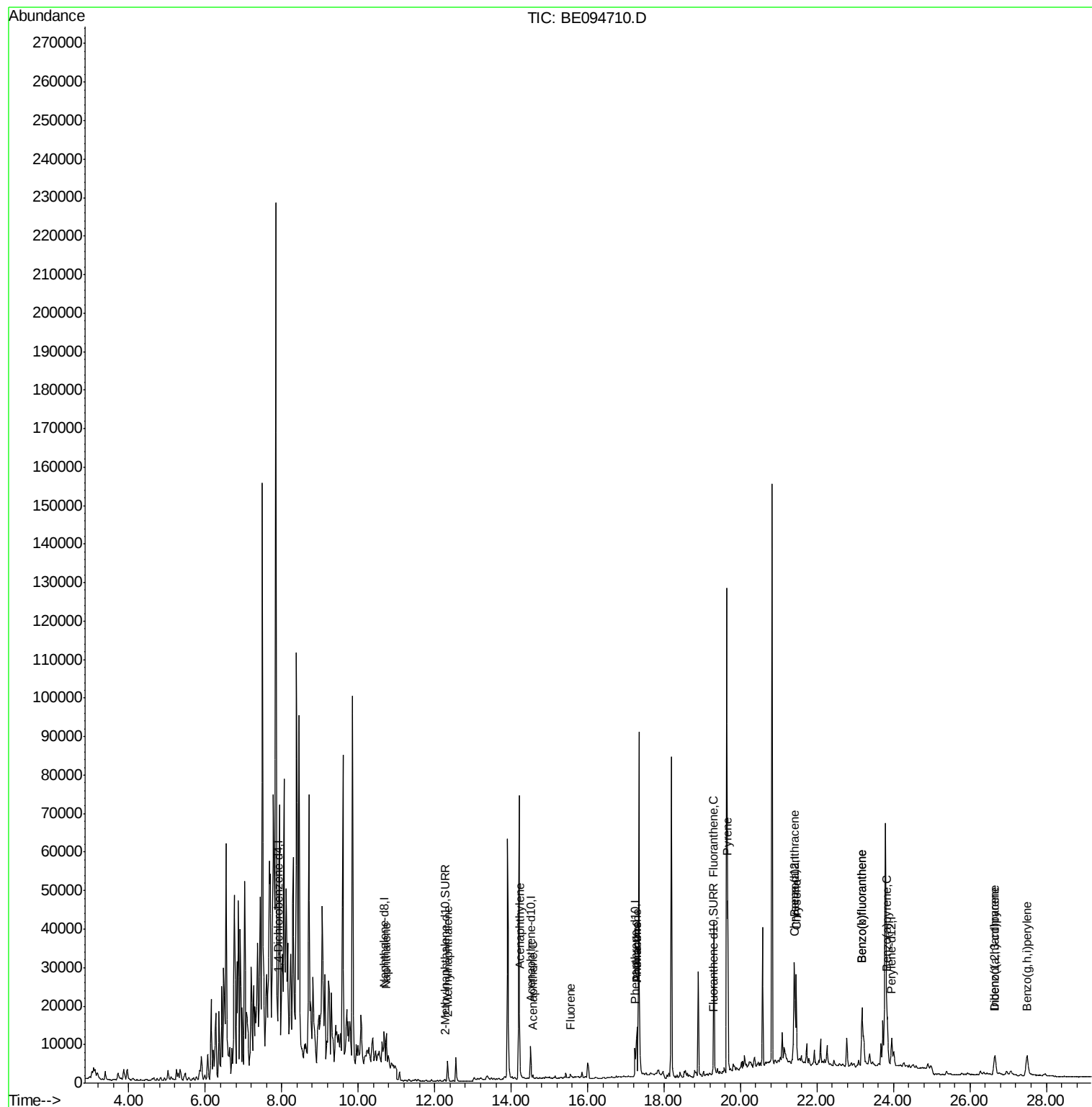
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	12767	0.58	ng/ul#	90
5) 2-Methylnaphthalene	12.34	142	4759	0.31	ng/ul	98
7) Acenaphthylene	14.23	152	1789	0.07	ng/ul#	64
8) Acenaphthene	14.57	153	689	0.04	ng/ul#	86
9) Fluorene	15.56	166	780	0.04	ng/ul#	82
12) Phenanthrene	17.29	178	18969	0.67	ng/ul	97
13) Anthracene	17.29	178	18832	0.67	ng/ul	96
15) Fluoranthene	19.30	202	47302	1.44	ng/ul	84
17) Pyrene	19.67	202	48546	1.41	ng/ul#	79
18) Benzo(a)anthracene	21.40	228	23885	0.75	ng/ul#	92
19) Chrysene	21.46	228	24544	0.75	ng/ul#	88
21) Benzo(b)fluoranthene	23.18	252	41117	1.29	ng/ul	95
22) Benzo(k)fluoranthene	23.18	252	41117	1.20	ng/ul	96
23) Benzo(a)pyrene	23.84	252	17900	0.56	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	26.66	276	12131	0.37	ng/ul#	73
25) Dibenzo(a,h)anthracene	26.64	278	2834	0.10	ng/ul#	42
26) Benzo(a,h,i)perylene	27.49	276	15671	0.59	ng/ul	91

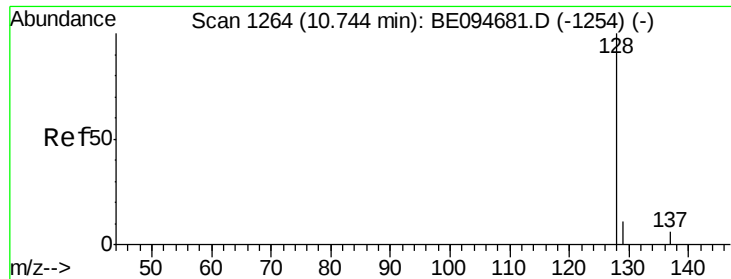
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.58 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Instrument :

BNA_E

ClientSampleId :

B-62(5-5.5)-101117

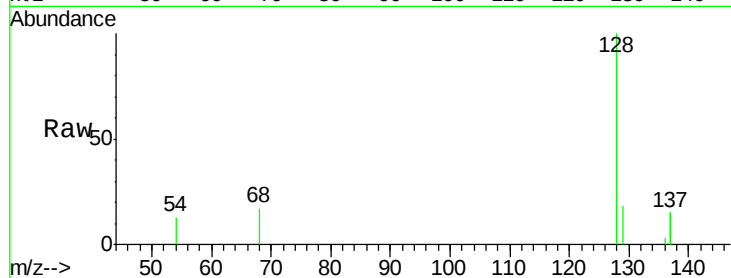
Tot Ion:128 Resp: 12767

Ion Ratio Lower Upper

128 100

129 17.5 11.3 16.9#

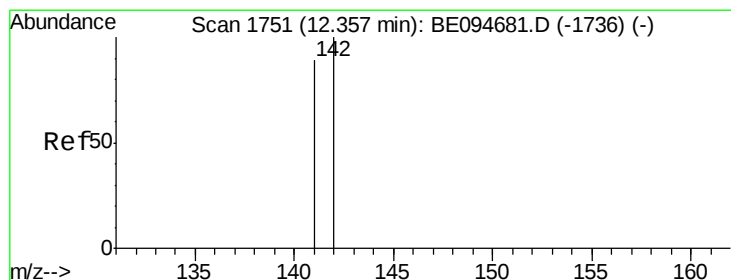
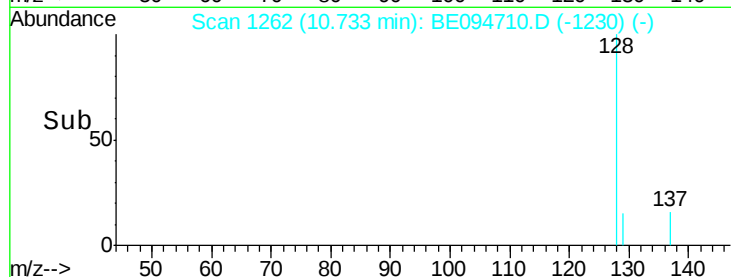
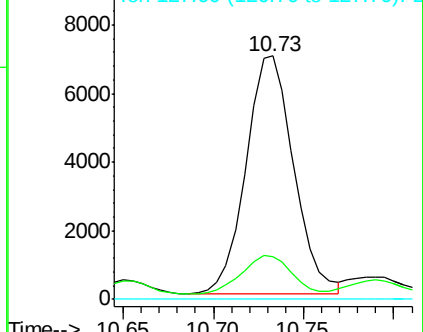
127 0.0 4.0 6.0#



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: 0.31 ng/ul

RT: 12.34 min Scan# 1745

Delta R.T. -0.04 min

Lab File: BE094710.D

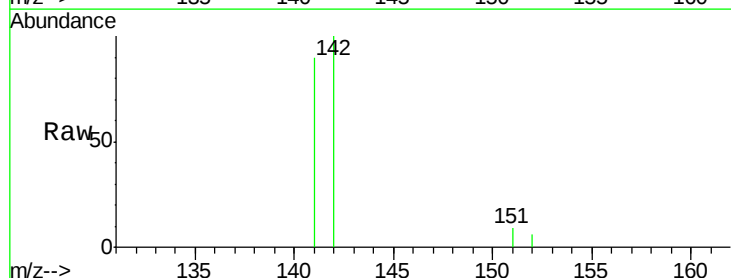
Acq: 3 Nov 2017 16:47

Tgt Ion:142 Resp: 4759

Ion Ratio Lower Upper

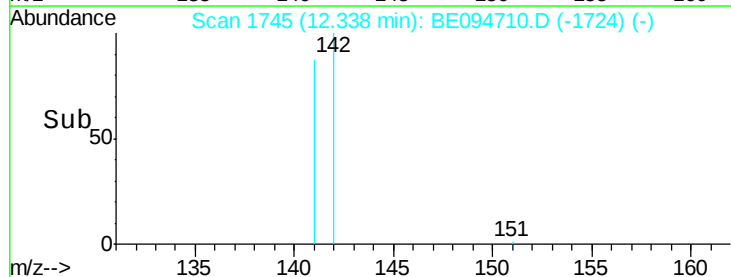
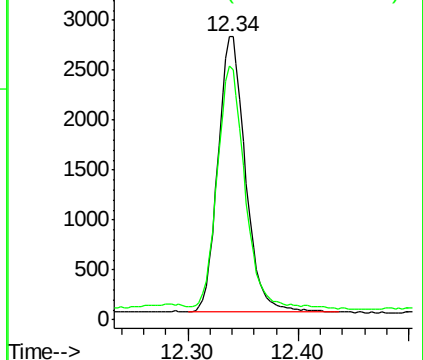
142 100

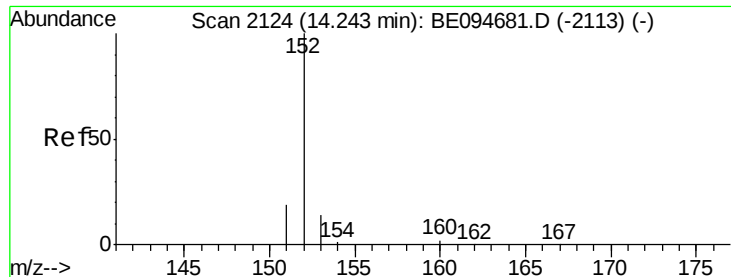
141 88.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.07 ng/ul

RT: 14.23 min Scan# 2122

Delta R.T. -0.02 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Instrument :

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ClientSampleId :

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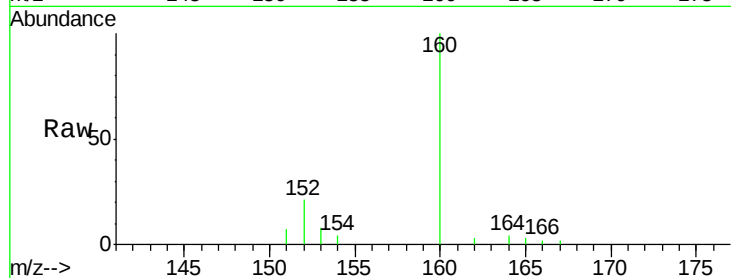
Tot Ion:152 Resp: 1789

Ion Ratio Lower Upper

152 100

151 33.7 17.1 25.7#

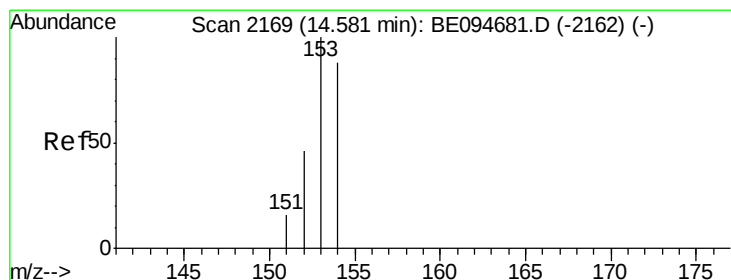
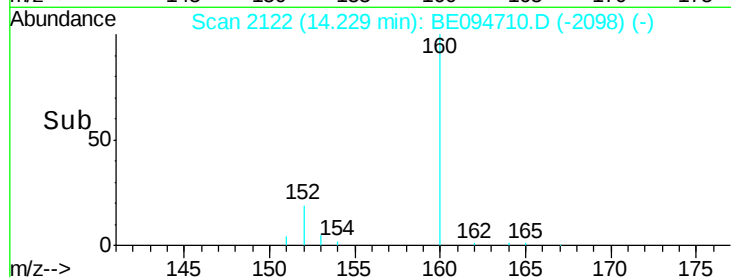
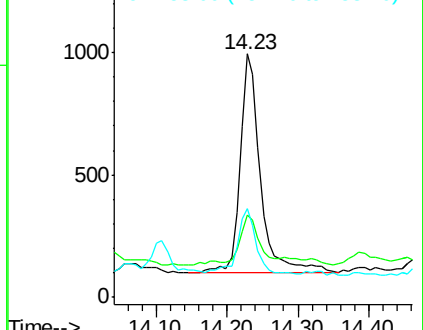
153 36.6 12.8 19.2#



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: 0.04 ng/ul

RT: 14.57 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

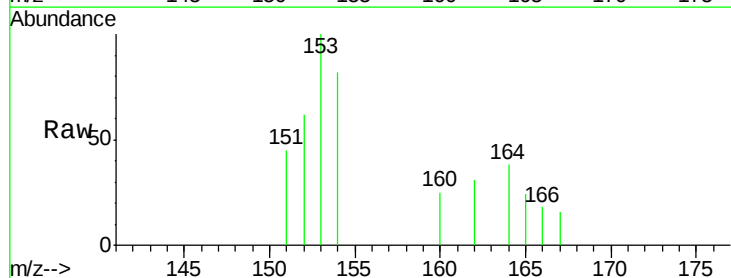
Tgt Ion:153 Resp: 689

Ion Ratio Lower Upper

153 100

152 61.8 36.0 54.0#

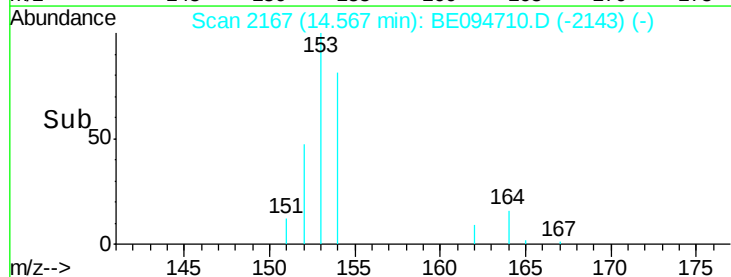
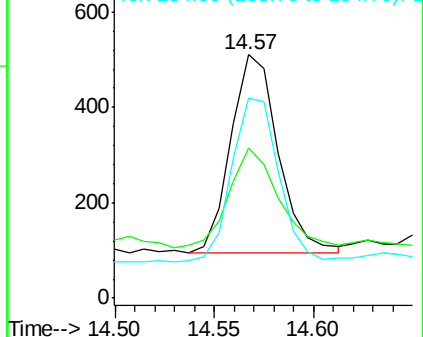
154 82.4 72.0 108.0

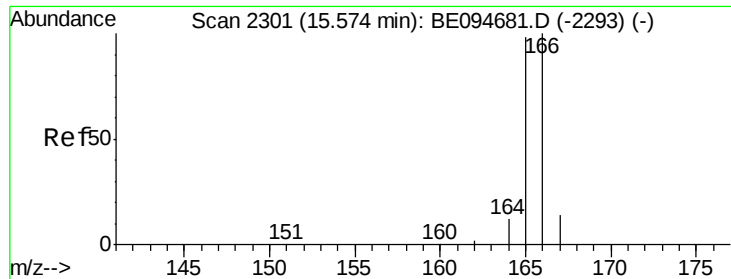


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.04 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Instrument :

BNA_E

ClientSampleId :

B-62(5-5.5)-101117

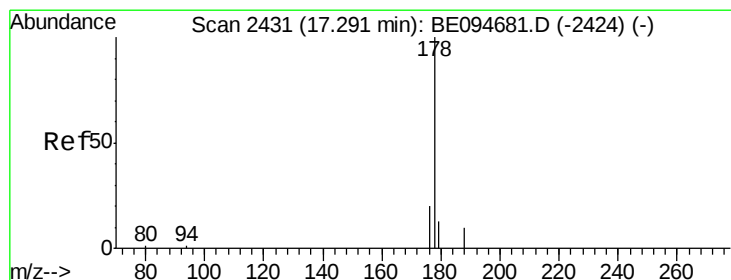
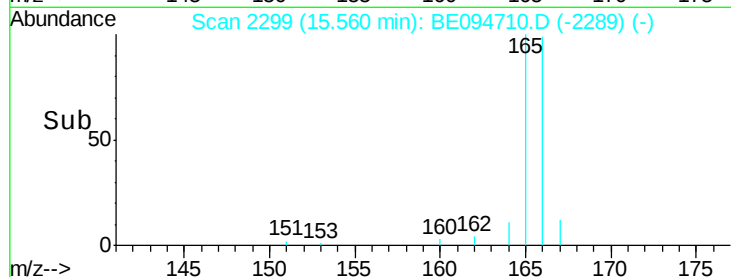
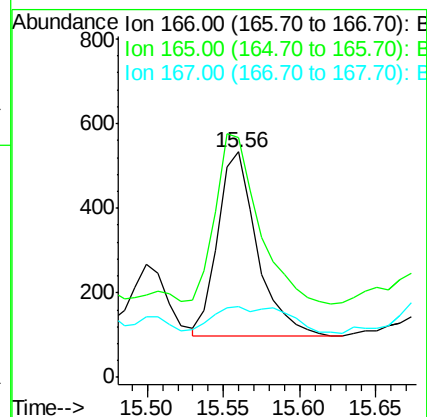
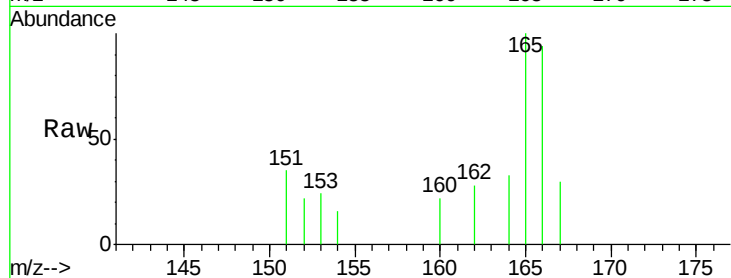
Tot Ion:166 Resp: 780

Ion Ratio Lower Upper

166 100

165 106.4 73.4 110.2

167 31.7 14.6 22.0#



#12

Phenanthrene

Concen: 0.67 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

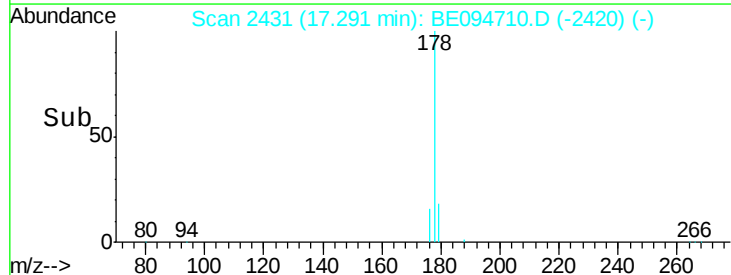
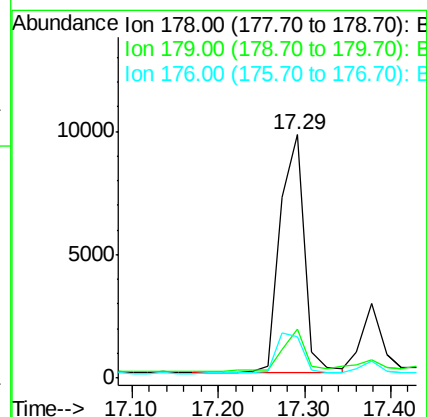
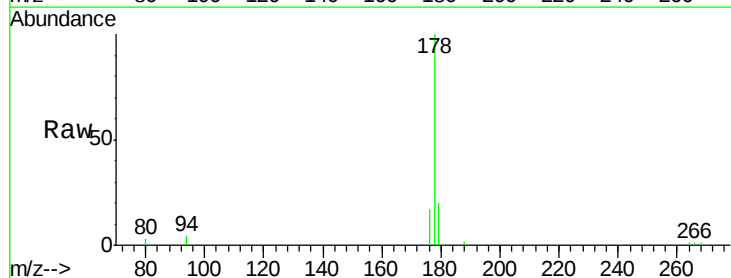
Tgt Ion:178 Resp: 18969

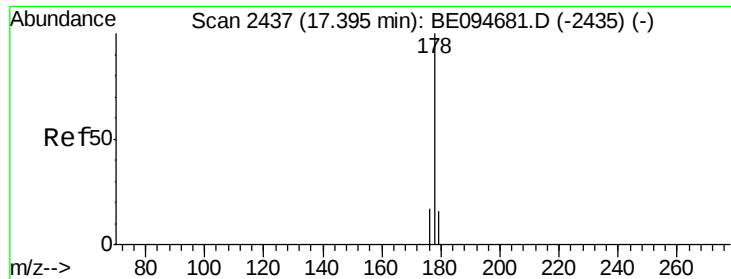
Ion Ratio Lower Upper

178 100

179 20.3 18.4 27.6

176 17.2 13.6 20.4





#13

Anthracene

Concen: 0.67 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.12 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Instrument :

BNA_E

ClientSampleId :

B-62(5-5.5)-101117

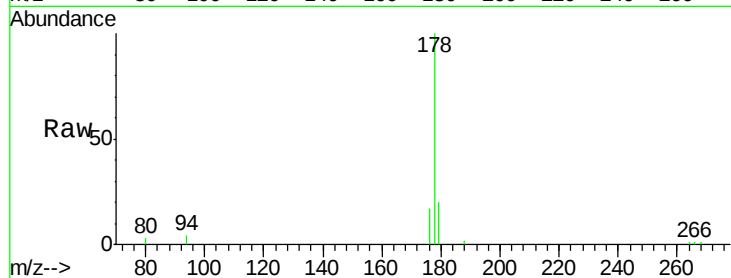
Tot Ion:178 Resp: 18832

Ion Ratio Lower Upper

178 100

179 20.3 18.1 27.1

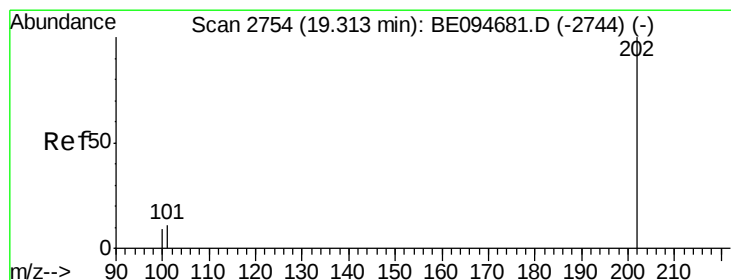
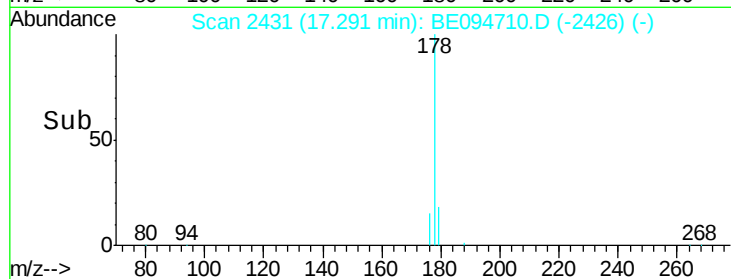
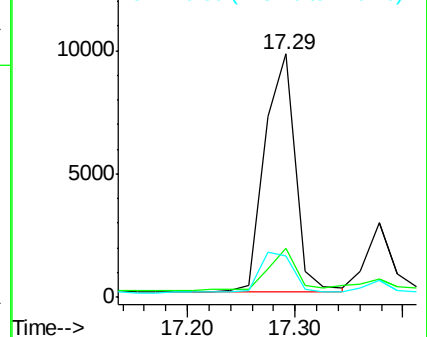
176 17.2 14.7 22.1



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: 1.44 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

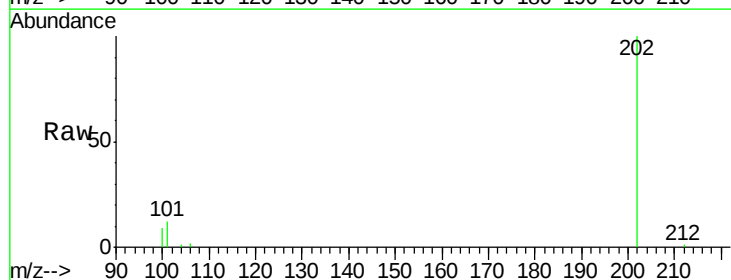
Tgt Ion:202 Resp: 47302

Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.3

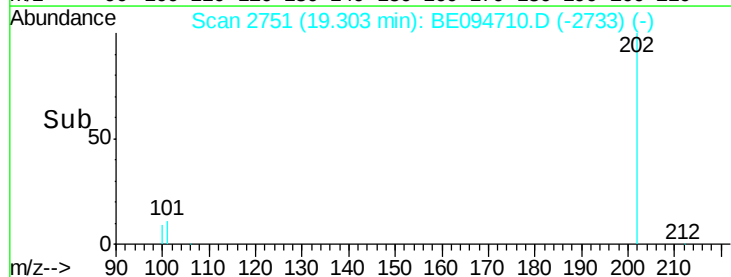
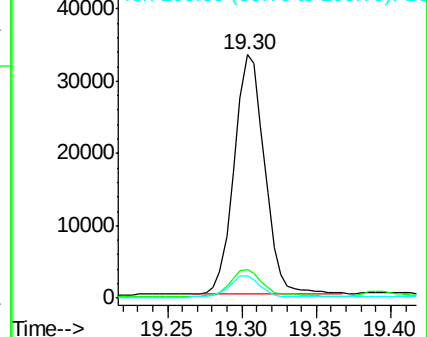
100 9.1 0.0 39.5

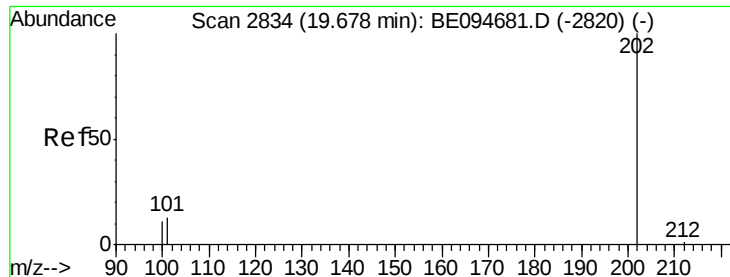


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 1.41 ng/ul

RT: 19.67 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BE094710.D

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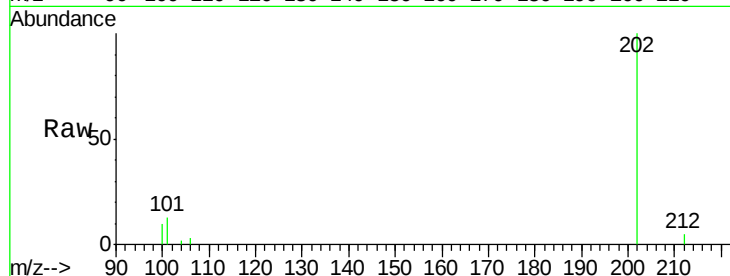
Tot Ion:202 Resp: 48546

Ion Ratio Lower Upper

202 100

101 12.7 18.2 27.4#

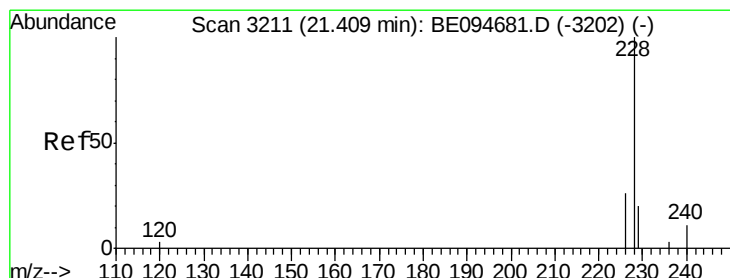
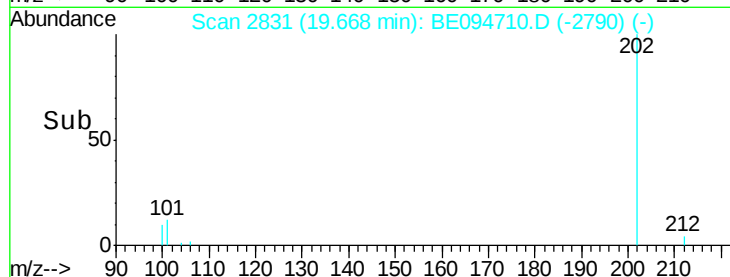
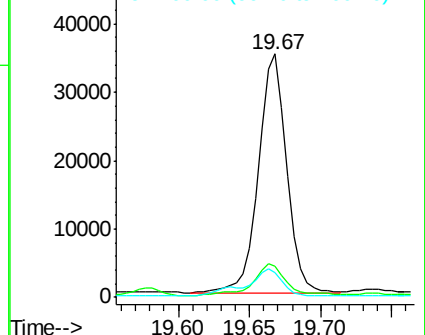
100 10.2 15.6 23.4#



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: 0.75 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

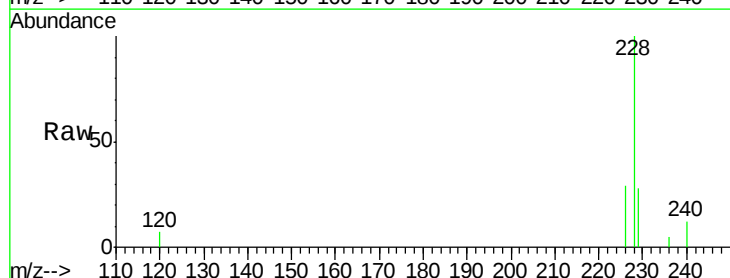
Tgt Ion:228 Resp: 23885

Ion Ratio Lower Upper

228 100

229 27.6 22.8 34.2

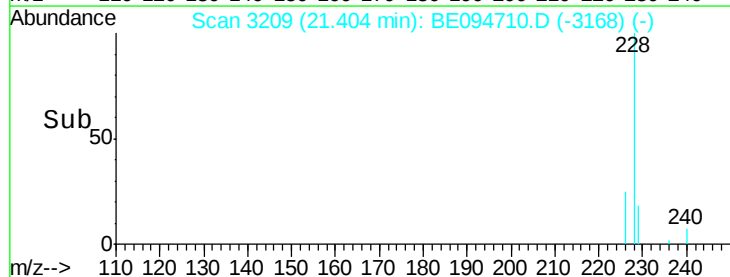
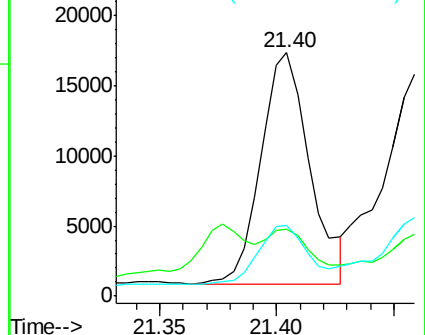
226 28.9 17.0 25.6#

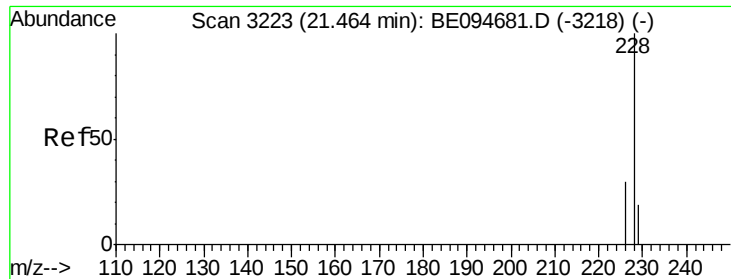


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.75 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094710.D

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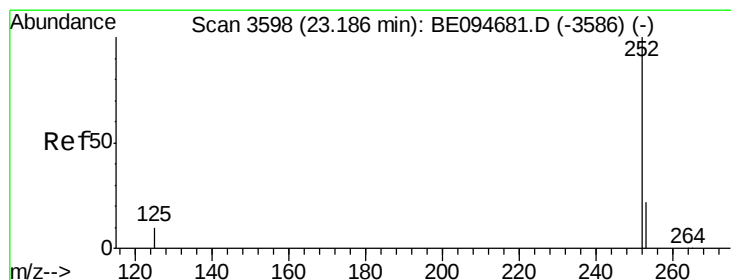
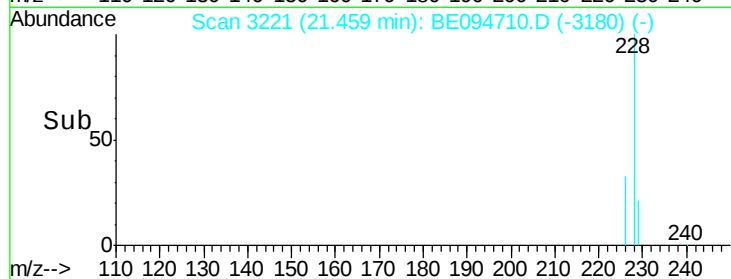
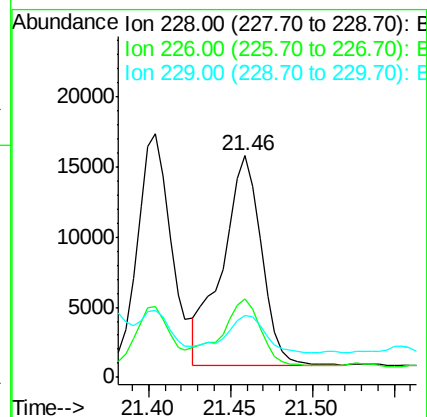
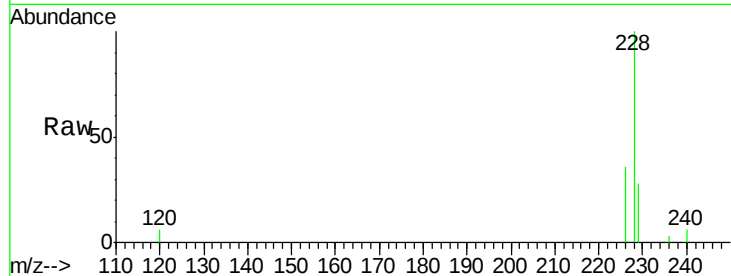
Tot Ion:228 Resp: 24544

Ion Ratio Lower Upper

228 100

226 35.7 23.4 35.0#

229 28.2 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 1.29 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

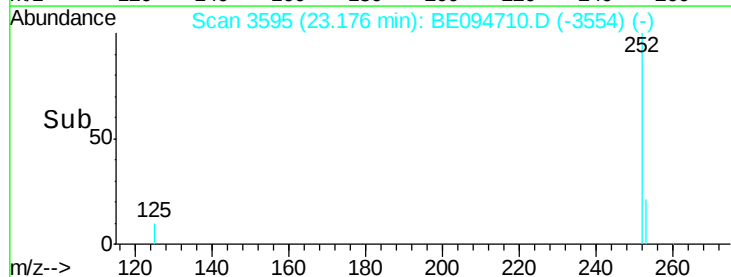
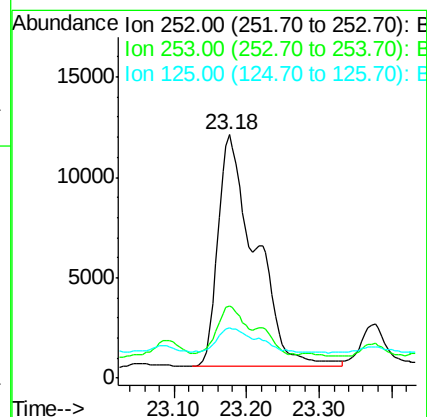
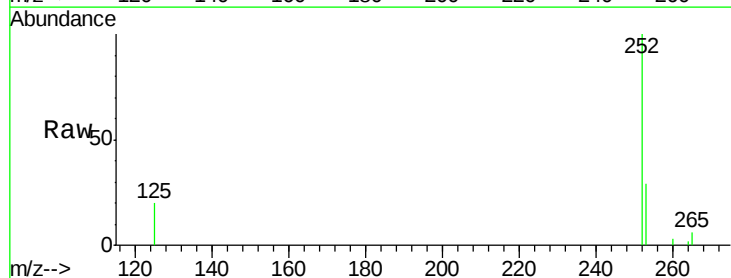
Tgt Ion:252 Resp: 41117

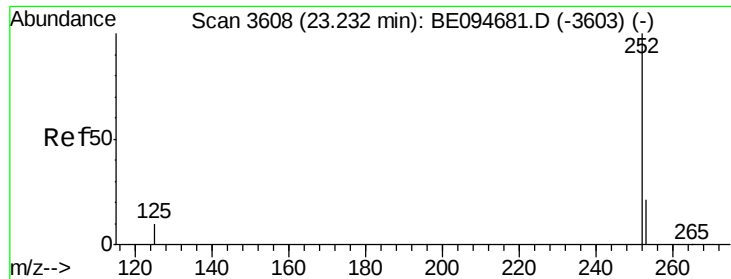
Ion Ratio Lower Upper

252 100

253 29.4 0.0 64.2

125 20.4 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 1.20 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.06 min

Lab File: BE094710.D

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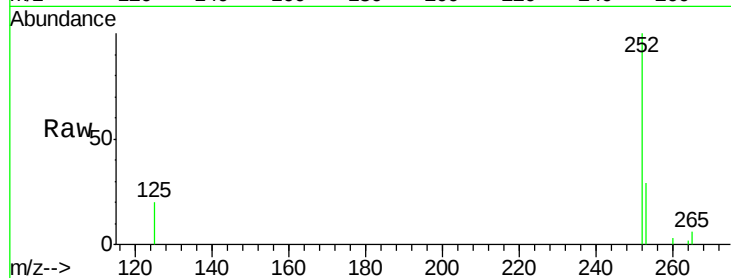
Tot Ion:252 Resp: 41117

Ion Ratio Lower Upper

252 100

253 29.4 24.5 36.7

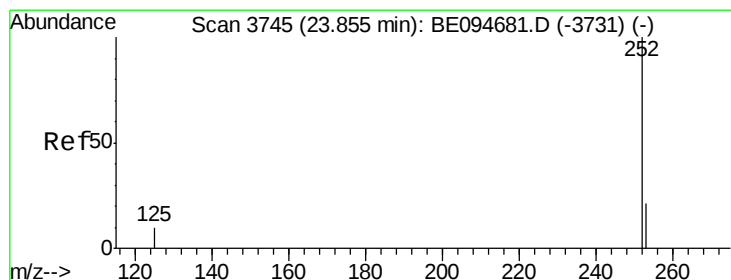
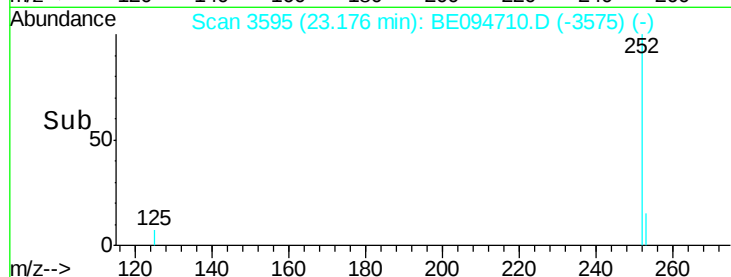
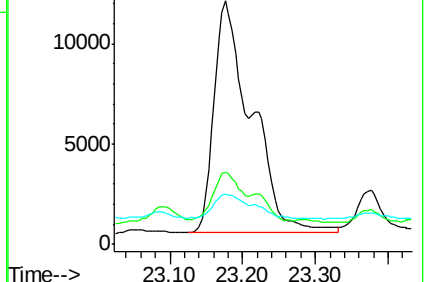
125 20.4 13.7 20.5



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: 0.56 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. -0.02 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

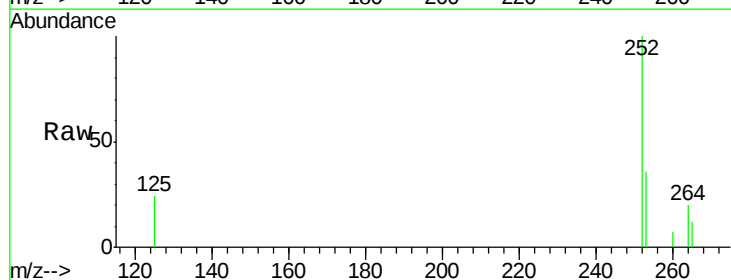
Tgt Ion:252 Resp: 17900

Ion Ratio Lower Upper

252 100

253 36.3 28.5 42.7

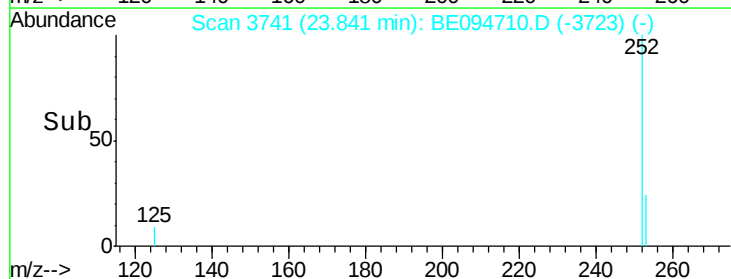
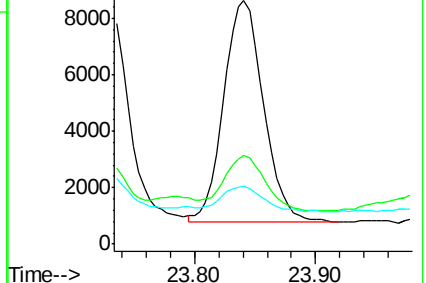
125 24.0 18.1 27.1

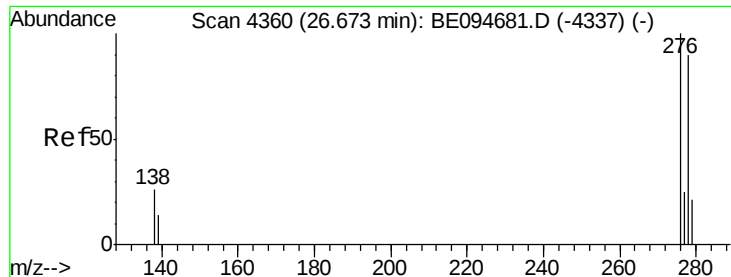


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.37 ng/ul

RT: 26.66 min Scan# 4355

Delta R.T. -0.03 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Instrument :

BNA_E

ClientSampleId :

B-62(5-5.5)-101117

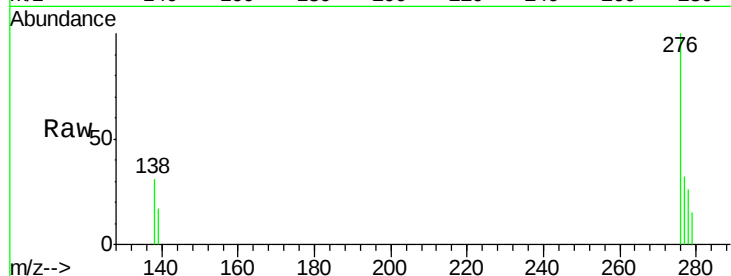
Tot Ion:276 Resp: 12131

Ion Ratio Lower Upper

276 100

138 19.2 28.0 42.0#

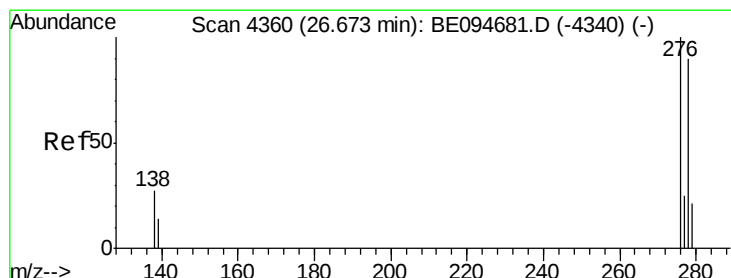
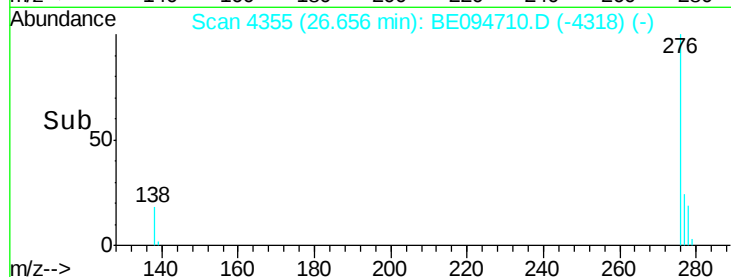
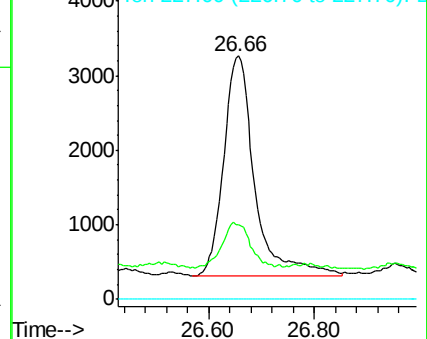
227 0.0 8.0 12.0#



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: 26.64 min Scan# 4351

Delta R.T. -0.04 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

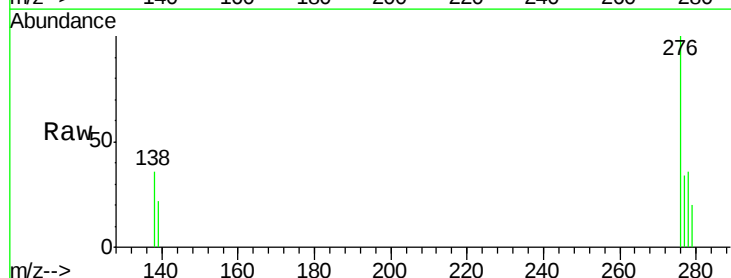
Tgt Ion:278 Resp: 2834

Ion Ratio Lower Upper

278 100

139 60.9 17.4 26.0#

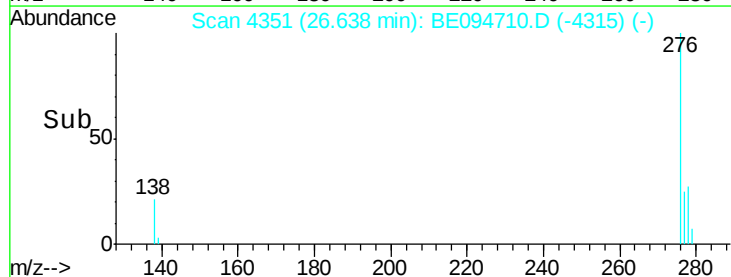
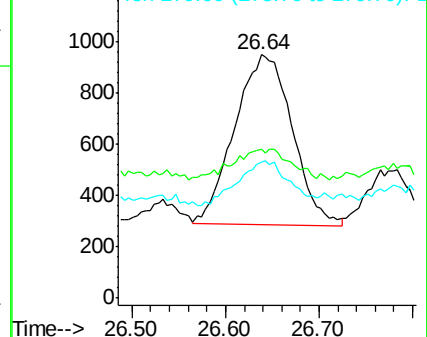
279 55.8 25.9 38.9#

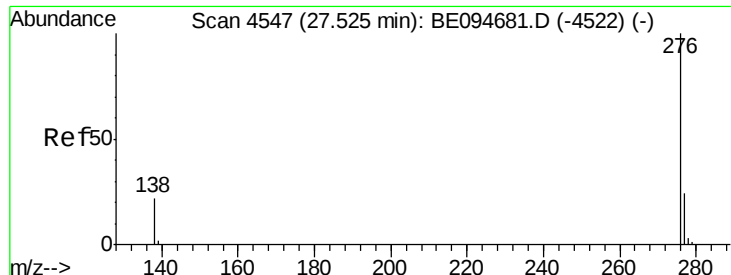


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.59 ng/ul

RT: 27.49 min Scan# 4539

Delta R.T. -0.02 min

Lab File: BE094710.D

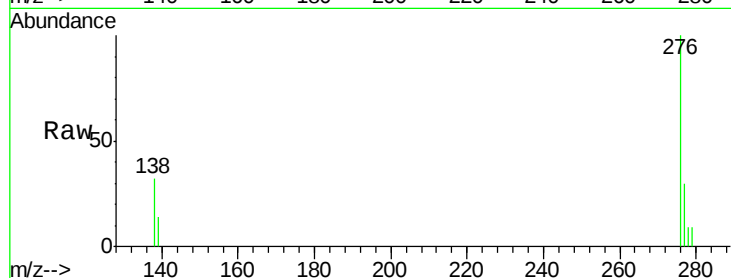
Acq: 3 Nov 2017 16:47

Instrument :

BNA_E

ClientSampleId :

B-62(5-5.5)-101117



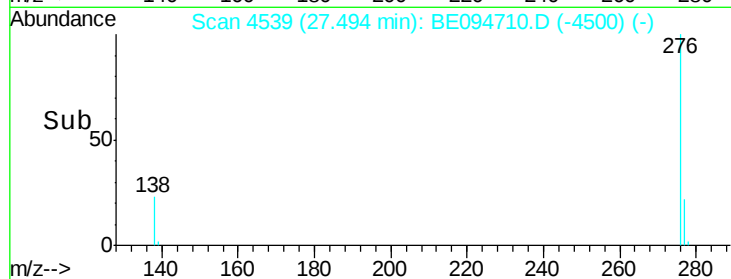
Tot Ion:276 Resp: 15671

Ion Ratio Lower Upper

276 100

138 32.0 21.8 32.8

277 30.2 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

