

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094244.D
 Acq On : 10 Oct 2017 5:26
 Operator : SJ/JU
 Sample : I5533-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 10 08:53:31 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 09 04:05:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2454	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	12473	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	7469	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.26	188	15714	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	14876	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	559137	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	3091	0.16	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	7832	0.15	ng/ul	-0.01

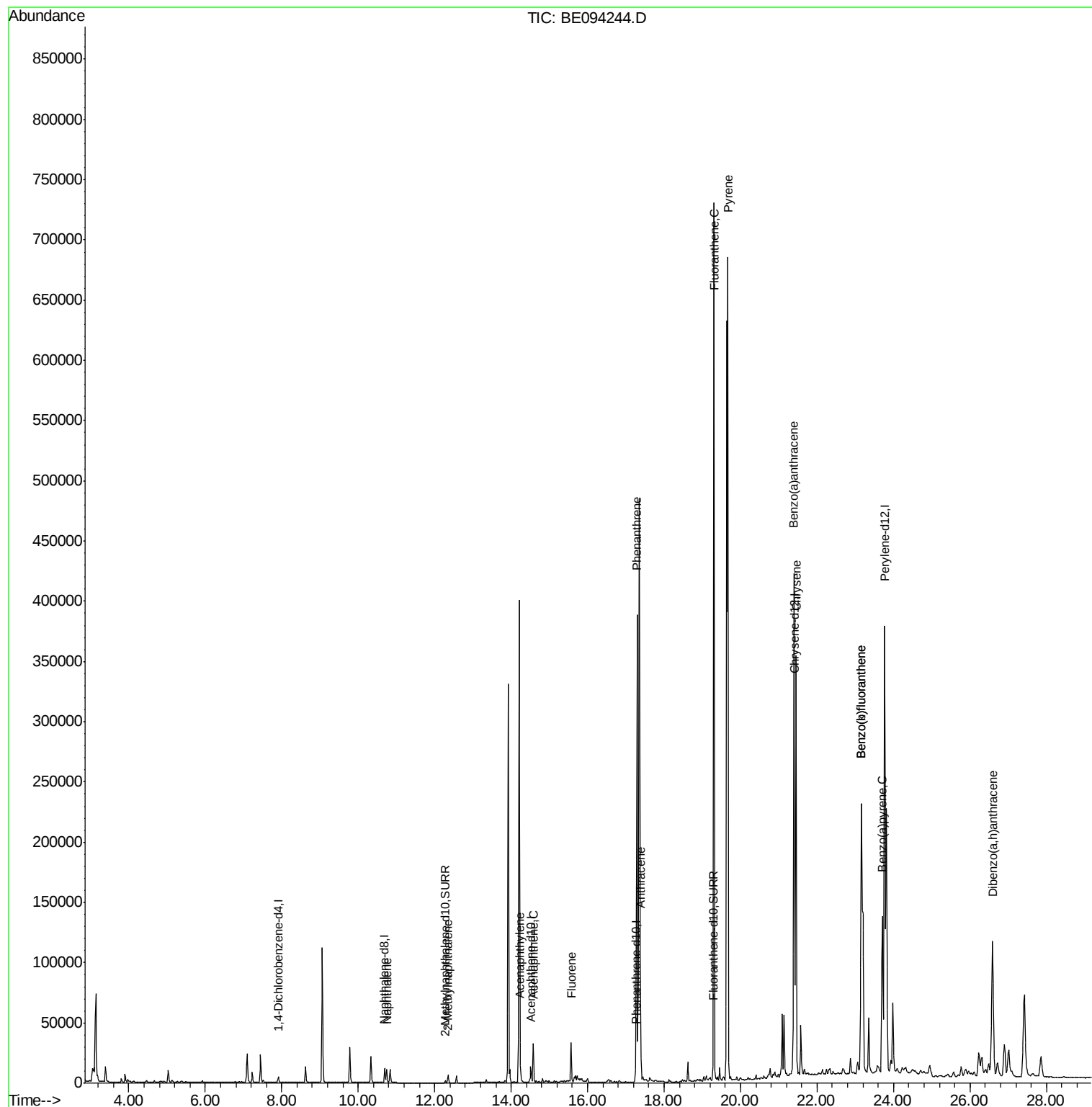
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	17289	0.57	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	6002	0.30	ng/ul	98
7) Acenaphthylene	14.24	152	12760	0.44	ng/ul	97
8) Acenaphthene	14.58	153	19400	0.81	ng/ul	97
9) Fluorene	15.57	166	21894	0.78	ng/ul	94
12) Phenanthrene	17.29	178	455258	11.09	ng/ul#	92
13) Anthracene	17.38	178	112725	2.82	ng/ul#	92
15) Fluoranthene	19.30	202	806550	14.95	ng/ul	84
17) Pyrene	19.67	202	732827	17.71	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	392511	9.95	ng/ul#	85
19) Chrysene	21.45	228	347602	7.63	ng/ul	98
21) Benzo(b)fluoranthene	23.16	252	375759	0.25	ng/ul	87
22) Benzo(k)fluoranthene	23.16	252	375759	0.21	ng/ul#	88
23) Benzo(a)pyrene	23.71	252	204816	0.13	ng/ul#	84
25) Dibenzo(a,h)anthracene	26.59	278	31006	0.02	ng/ul	96

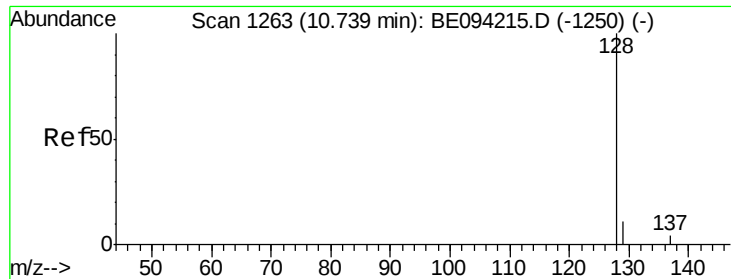
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.57 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094244.D

Acq: 10 Oct 2017 5:26

Instrument :

BNA_E

ClientSampleId :

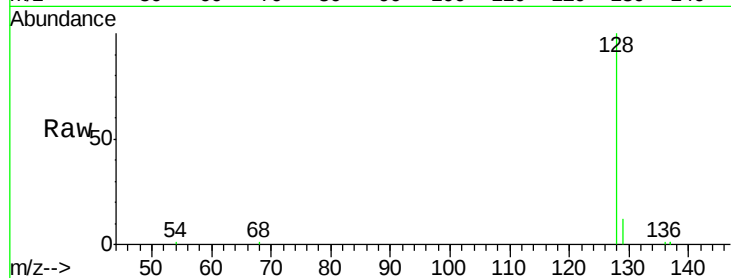
Tot Ion:128 Resp: 17289

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

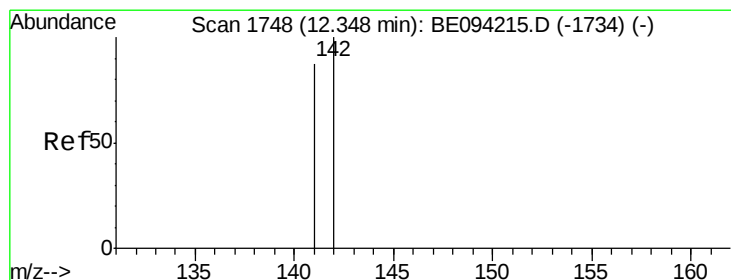
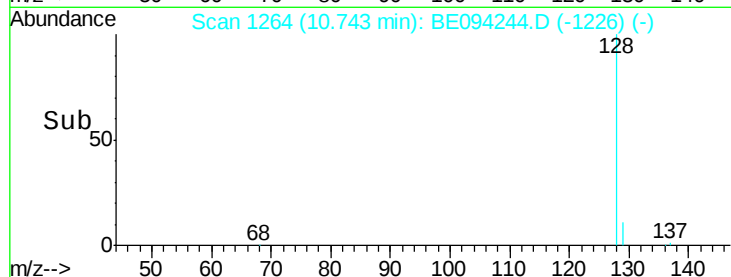
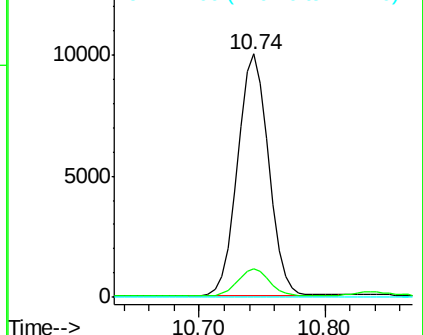
127 0.0 4.0 6.0#



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: 0.30 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094244.D

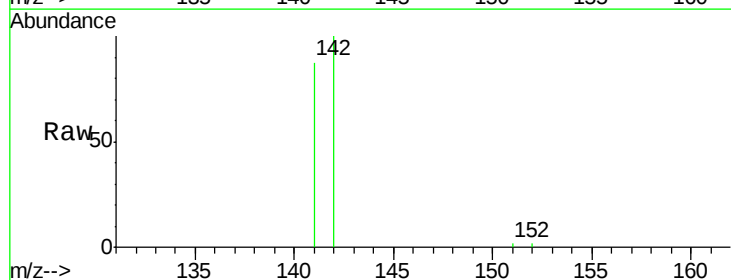
Acq: 10 Oct 2017 5:26

Tgt Ion:142 Resp: 6002

Ion Ratio Lower Upper

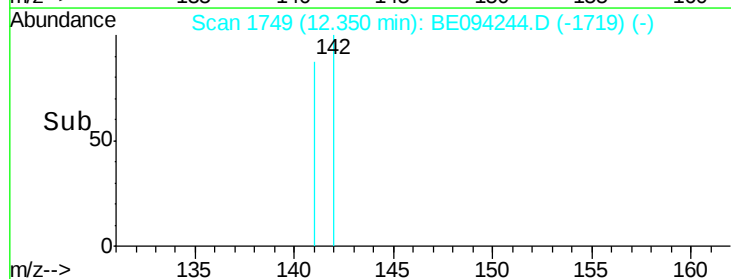
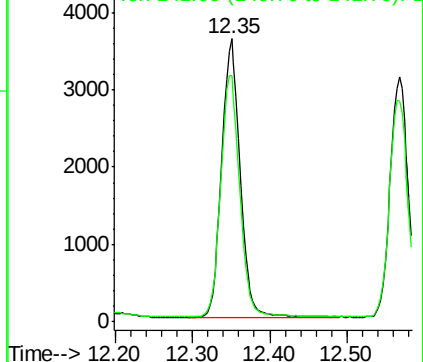
142 100

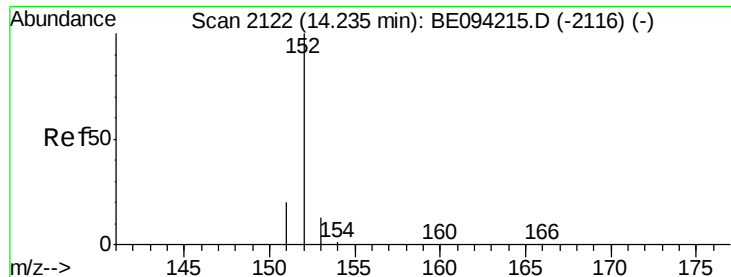
141 88.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.44 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094244.D

Acq: 10 Oct 2017 5:26

Instrument :

BNA_E

ClientSampled :

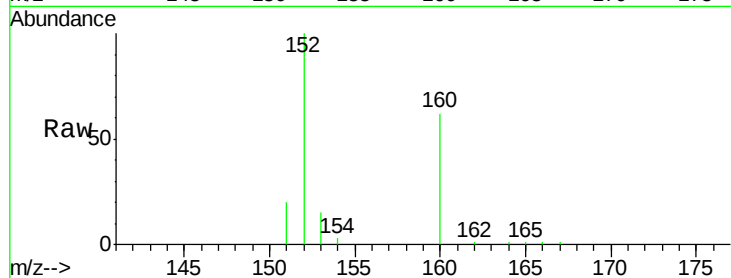
Tot Ion:152 Resp: 12760

Ion Ratio Lower Upper

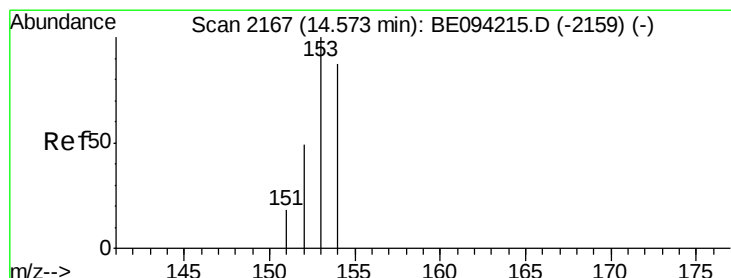
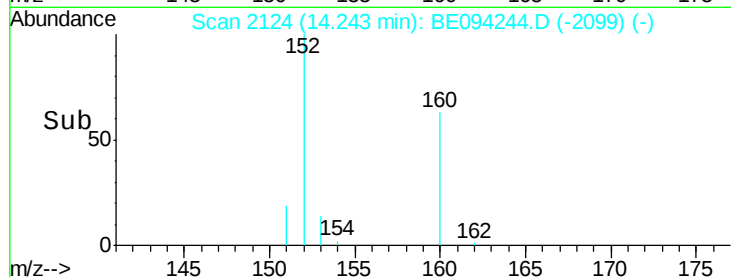
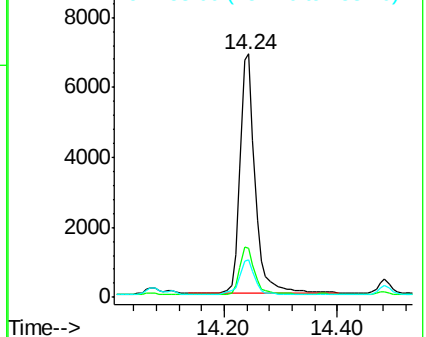
152 100

151 19.9 17.1 25.7

153 15.3 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: 0.81 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094244.D

Acq: 10 Oct 2017 5:26

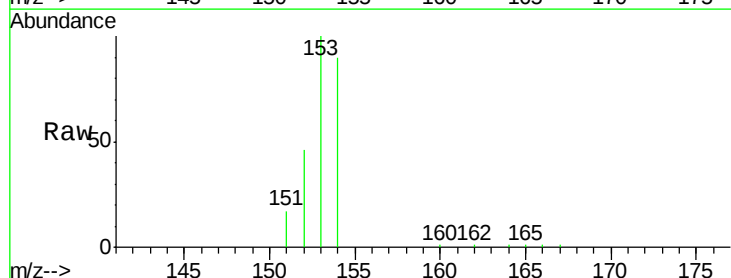
Tgt Ion:153 Resp: 19400

Ion Ratio Lower Upper

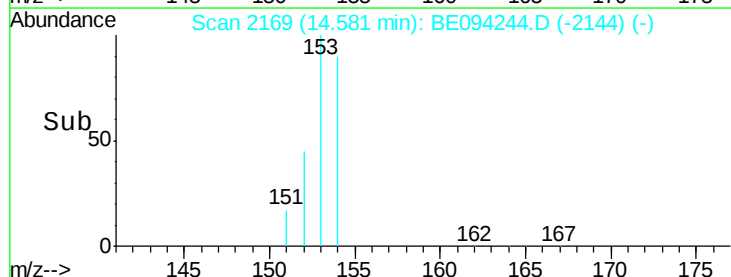
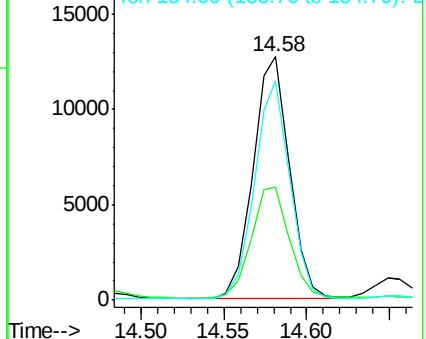
153 100

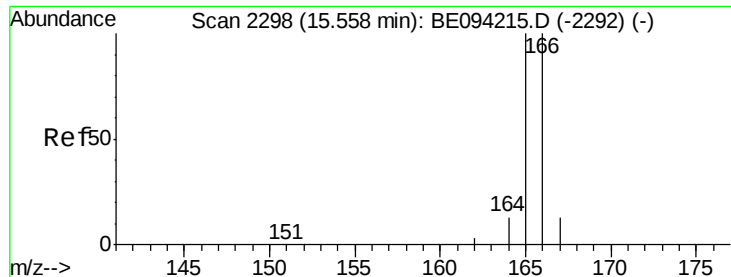
152 46.3 40.3 60.5

154 90.2 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: 0.78 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.02 min

Lab File: BE094244.D

Acq: 10 Oct 2017 5:26

Instrument :

BNA_E

ClientSampleId :

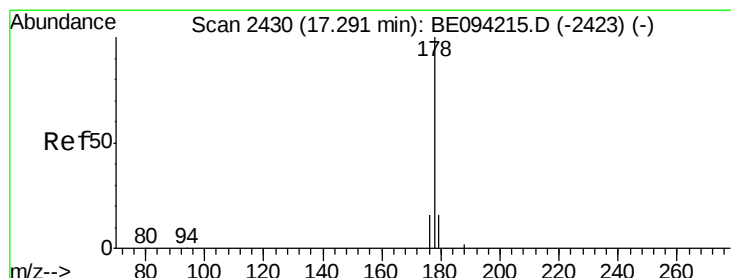
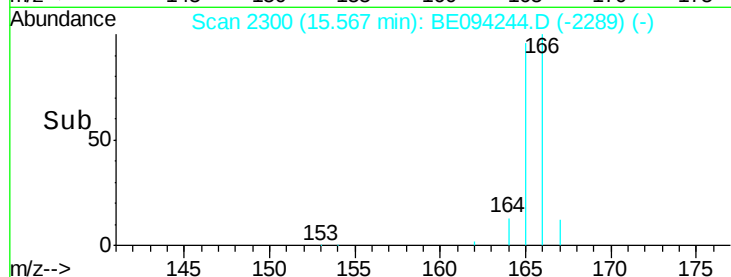
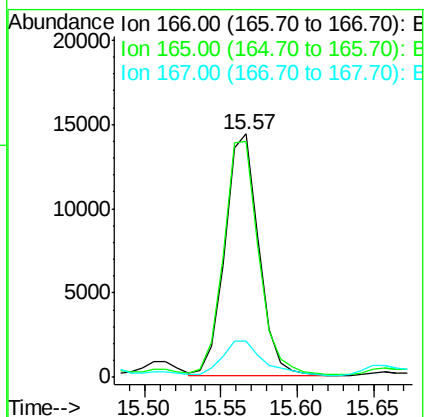
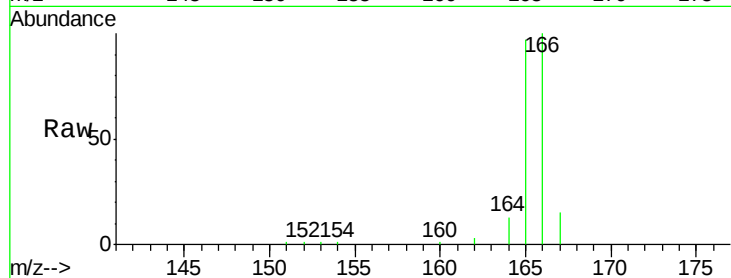
Tot Ion:166 Resp: 21894

Ion Ratio Lower Upper

166 100

165 96.9 73.4 110.2

167 15.0 14.6 22.0



#12

Phenanthrene

Concen: 11.09 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094244.D

Acq: 10 Oct 2017 5:26

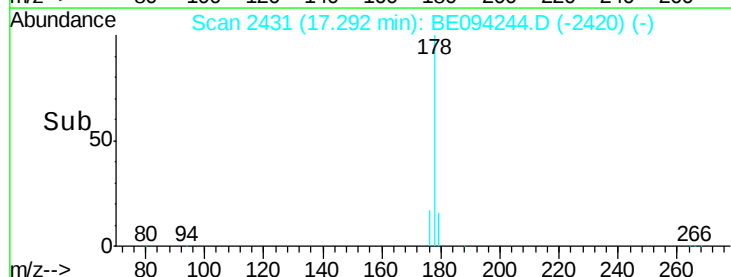
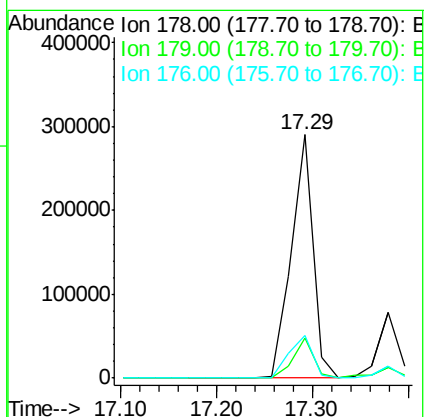
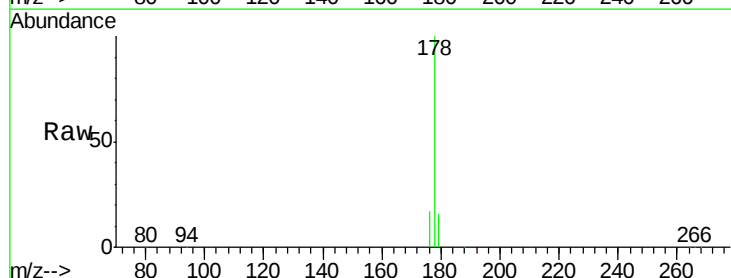
Tgt Ion:178 Resp: 455258

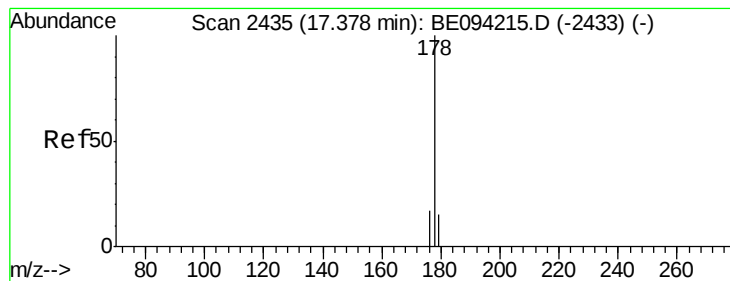
Ion Ratio Lower Upper

178 100

179 16.3 18.4 27.6#

176 17.4 13.6 20.4





#13

Anthracene

Concen: 2.82 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094244.D

Acq: 10 Oct 2017 5:26

Instrument :

BNA_E

ClientSampleId :

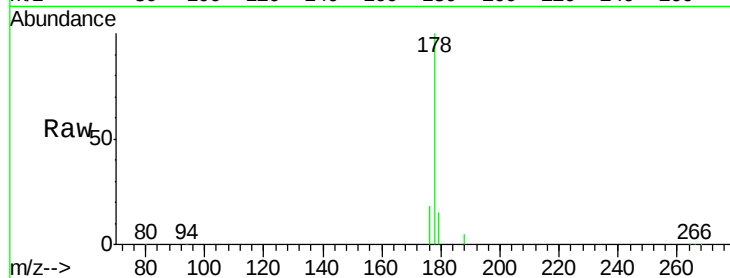
Tot Ion:178 Resp: 112725

Ion Ratio Lower Upper

178 100

179 15.5 18.1 27.1#

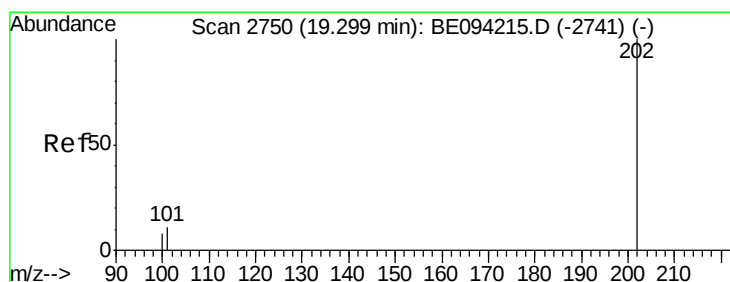
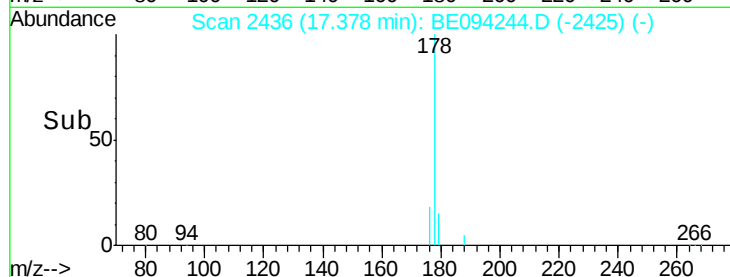
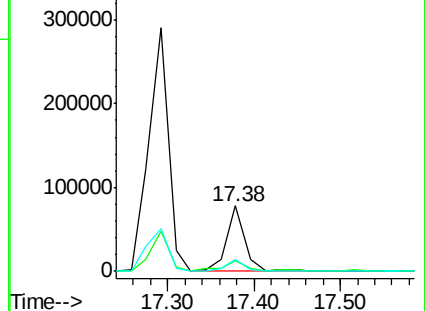
176 18.2 14.7 22.1



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: 14.95 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.01 min

Lab File: BE094244.D

Acq: 10 Oct 2017 5:26

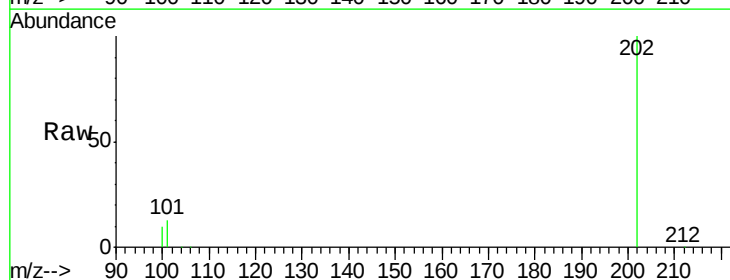
Tgt Ion:202 Resp: 806550

Ion Ratio Lower Upper

202 100

101 12.7 0.0 30.3

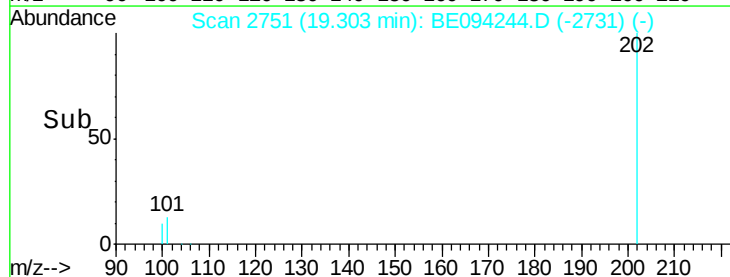
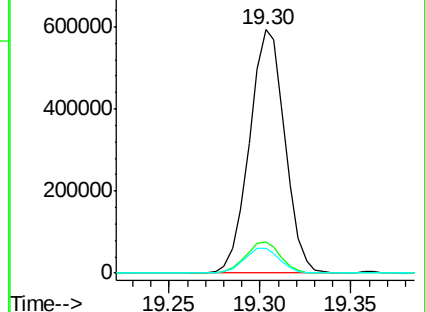
100 10.3 0.0 39.5

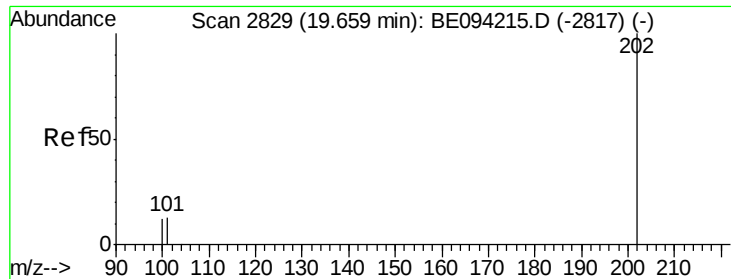


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 17.71 ng/ul

RT: 19.67 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE094244.D

Acq: 10 Oct 2017 5:26

Instrument :

BNA_E

ClientSampleId :

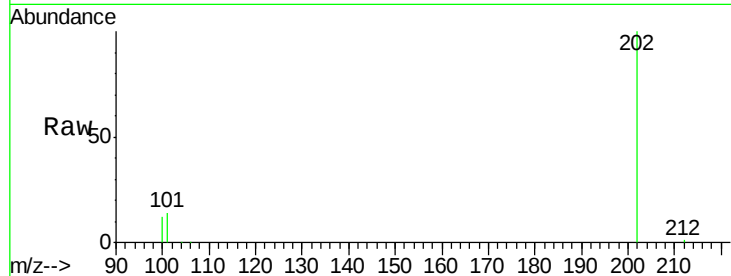
Tot Ion:202 Resp: 732827

Ion Ratio Lower Upper

202 100

101 13.7 18.2 27.4#

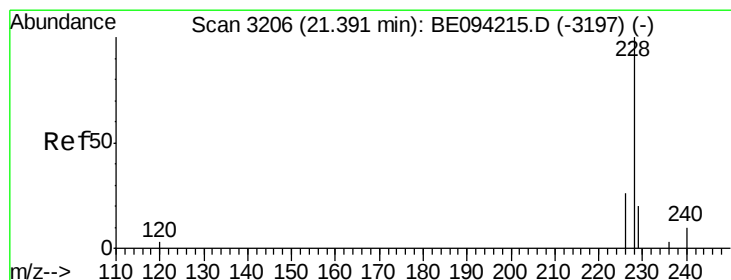
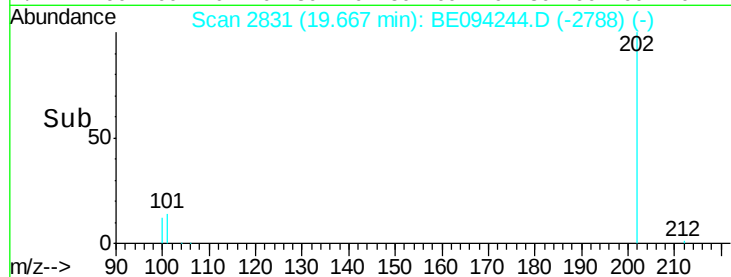
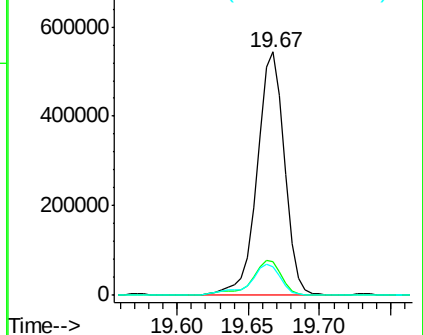
100 11.6 15.6 23.4#



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: 9.95 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.01 min

Lab File: BE094244.D

Acq: 10 Oct 2017 5:26

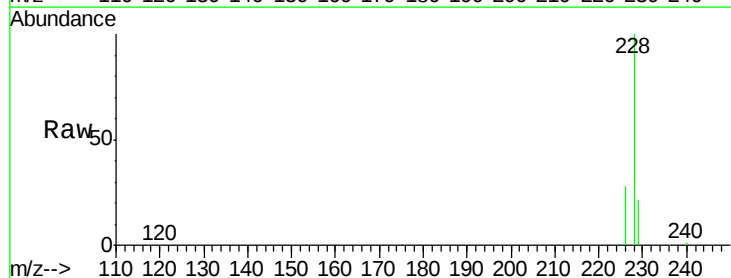
Tgt Ion:228 Resp: 392511

Ion Ratio Lower Upper

228 100

229 20.6 22.8 34.2#

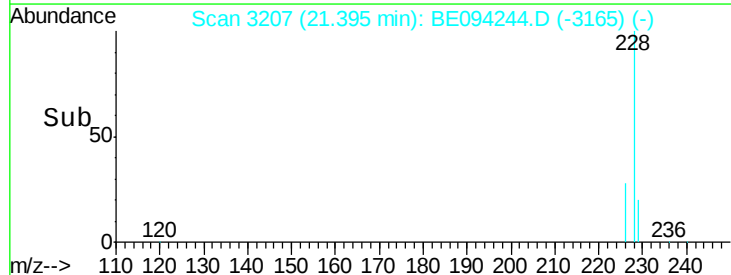
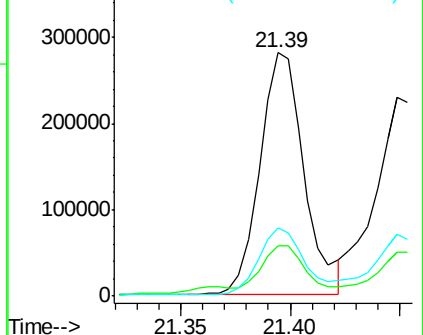
226 28.1 17.0 25.6#

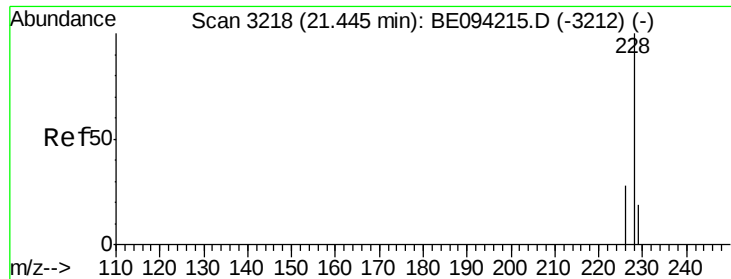


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 7.63 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.00 min

Lab File: BE094244.D

Acq: 10 Oct 2017 5:26

Instrument :

BNA_E

ClientSampleId :

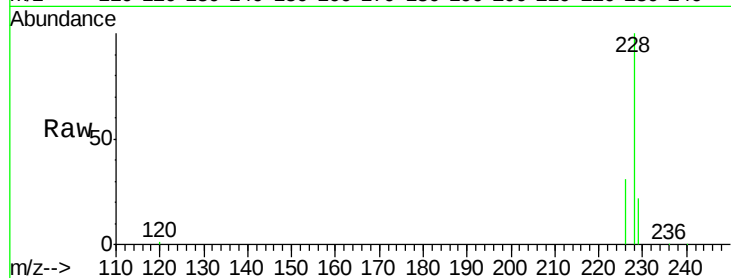
Tot Ion:228 Resp: 347602

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

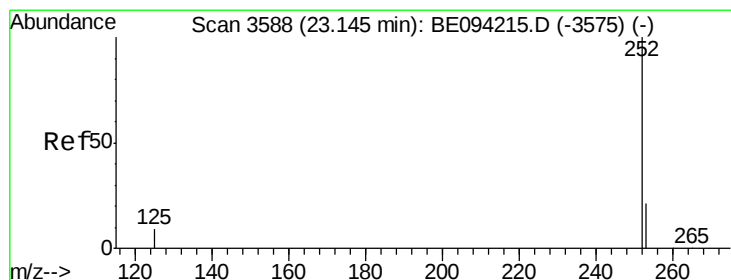
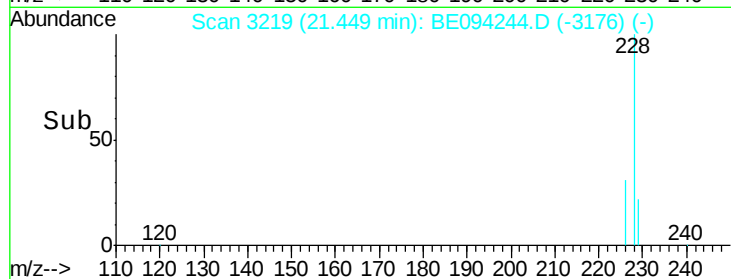
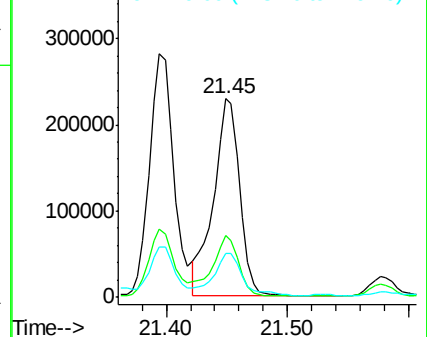
229 22.2 17.7 26.5



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: 0.25 ng/ul

RT: 23.16 min Scan# 3591

Delta R.T. 0.00 min

Lab File: BE094244.D

Acq: 10 Oct 2017 5:26

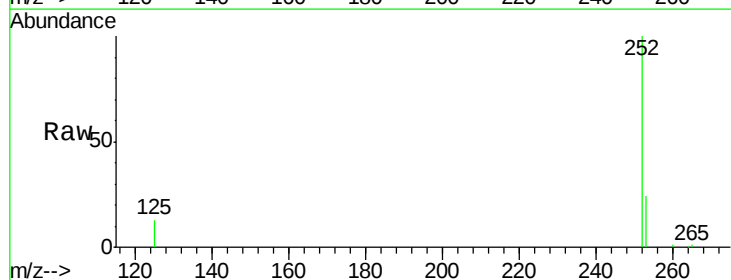
Tgt Ion:252 Resp: 375759

Ion Ratio Lower Upper

252 100

253 23.7 0.0 64.2

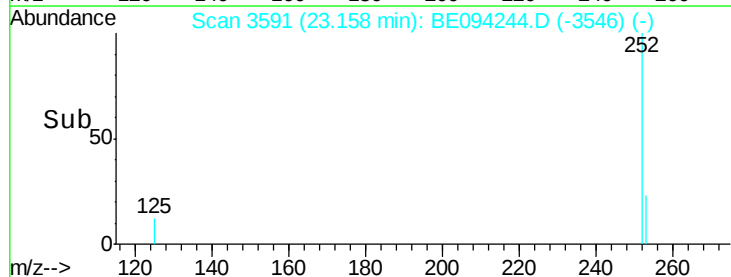
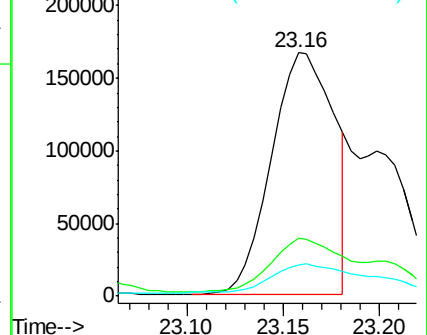
125 12.9 0.0 35.0

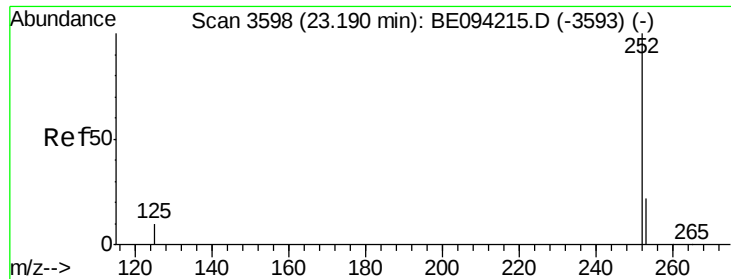


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.21 ng/ul

RT: 23.16 min Scan# 3591

Delta R.T. -0.05 min

Lab File: BE094244.D

Acq: 10 Oct 2017 5:26

Instrument :

BNA_E

ClientSampleId :

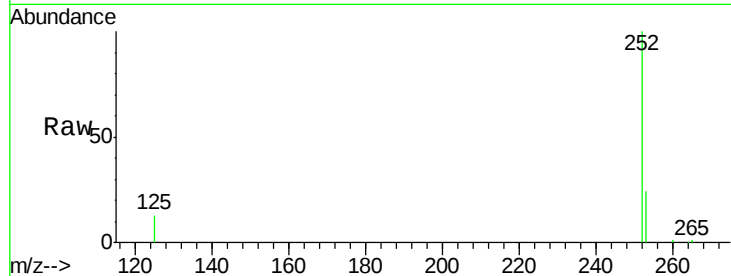
Tot Ion:252 Resp: 375759

Ion Ratio Lower Upper

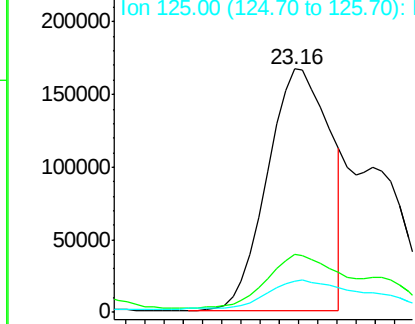
252 100

253 23.7 24.5 36.7#

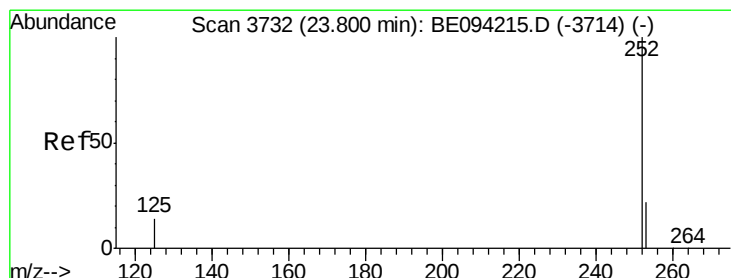
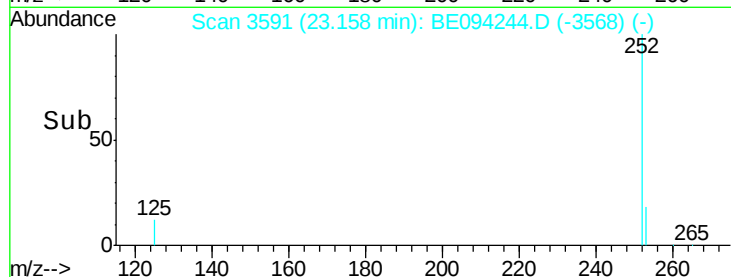
125 12.9 13.7 20.5#



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



Time-->



#23

Benzo(a)pyrene

Concen: 0.13 ng/ul

RT: 23.71 min Scan# 3712

Delta R.T. -0.10 min

Lab File: BE094244.D

Acq: 10 Oct 2017 5:26

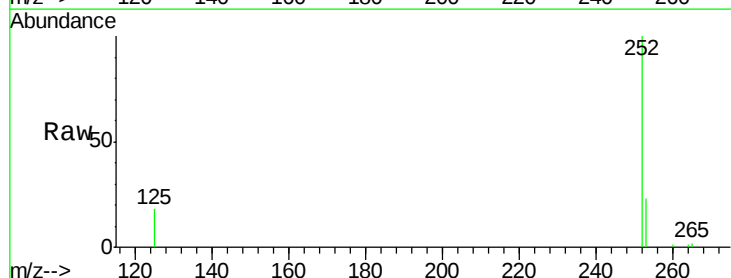
Tgt Ion:252 Resp: 204816

Ion Ratio Lower Upper

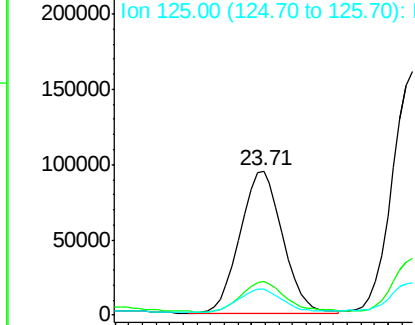
252 100

253 23.4 28.5 42.7#

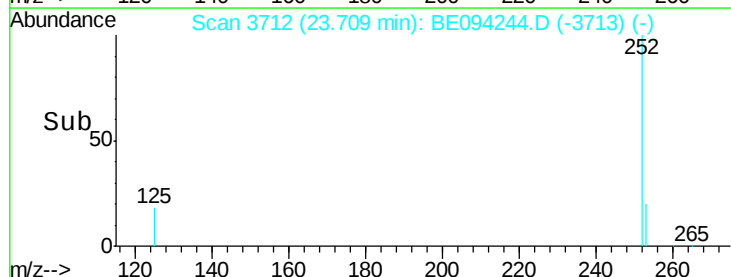
125 18.1 18.1 27.1#

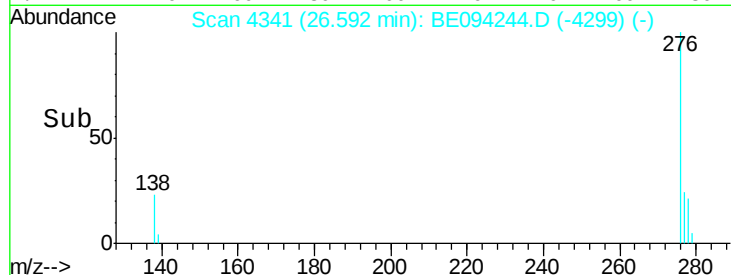
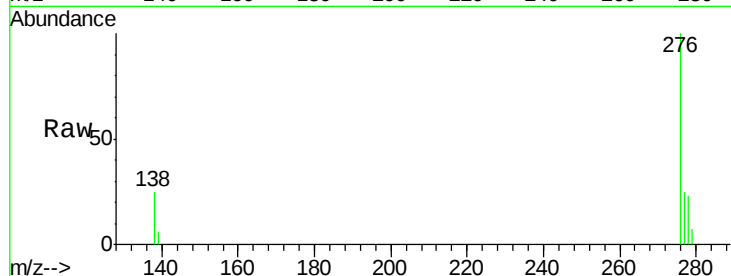
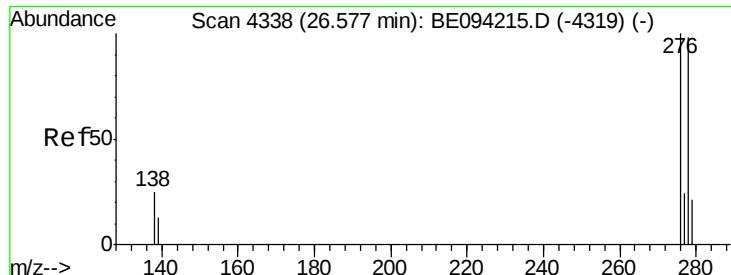


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#25
 Dibenzo(a,h)anthracene
 Concen: 0.02 ng/ul
 RT: 26.59 min Scan# 4341
 Delta R.T. -0.01 min
 Lab File: BE094244.D
 Acq: 10 Oct 2017 5:26

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:	278	Resp:	31006
Ion	Ratio	Lower	Upper
278	100		
139	23.9	17.4	26.0
279	30.1	25.9	38.9

