

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094246.D
 Acq On : 10 Oct 2017 6:41
 Operator : SJ/JU
 Sample : I5533-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 10 08:54:02 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	2464	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	12489	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	7417	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	15221	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	14387	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	624006	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	3827	0.20	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	8689	0.17	ng/ul	-0.01

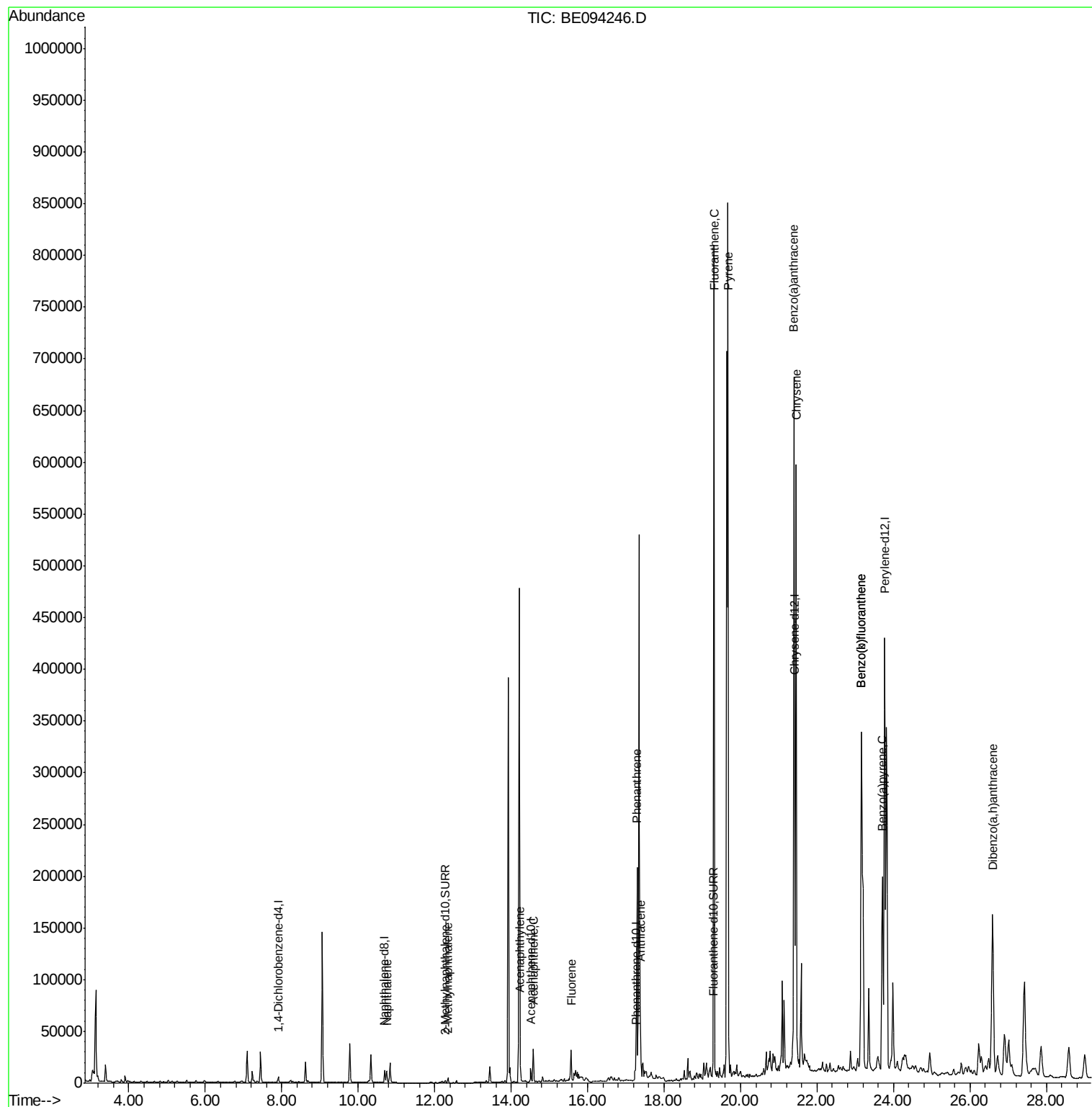
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	16912	0.55	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	4033	0.20	ng/ul	98
7) Acenaphthylene	14.24	152	12655	0.44	ng/ul	100
8) Acenaphthene	14.58	153	19265	0.81	ng/ul	97
9) Fluorene	15.57	166	19834	0.71	ng/ul	94
12) Phenanthrene	17.29	178	236422	5.94	ng/ul#	92
13) Anthracene	17.38	178	79152	2.05	ng/ul#	92
15) Fluoranthene	19.30	202	880049	16.84	ng/ul	84
17) Pyrene	19.67	202	933893	23.33	ng/ul#	84
18) Benzo(a)anthracene	21.40	228	643680	16.86	ng/ul#	88
19) Chrysene	21.45	228	590993	13.41	ng/ul	98
21) Benzo(b)fluoranthene	23.16	252	578195	0.34	ng/ul	86
22) Benzo(k)fluoranthene	23.16	252	578195	0.30	ng/ul#	88
23) Benzo(a)pyrene	23.71	252	301816	0.17	ng/ul#	85
25) Dibenzo(a,h)anthracene	26.59	278	55352	0.04	ng/ul	96

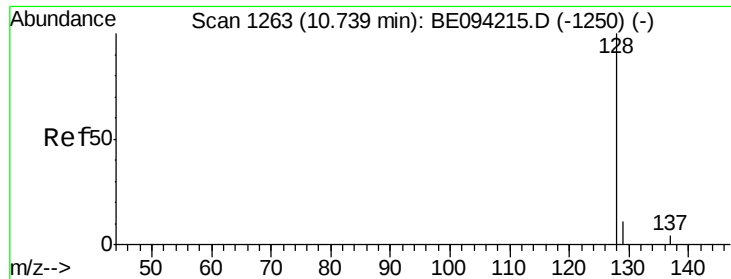
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.55 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094246.D

Acq: 10 Oct 2017 6:41

Instrument :

BNA_E

ClientSampleId :

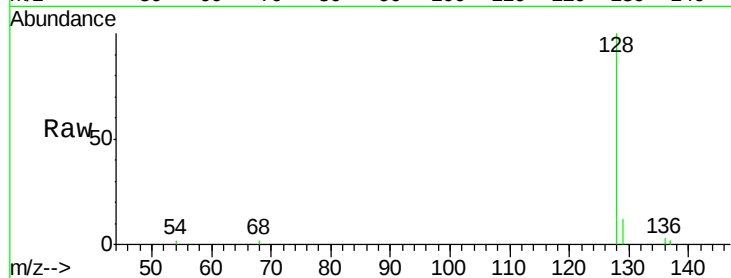
Tot Ion:128 Resp: 16912

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

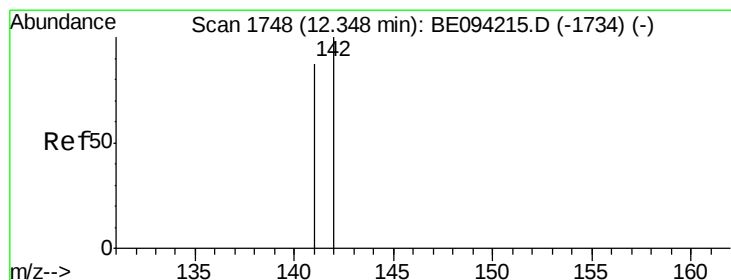
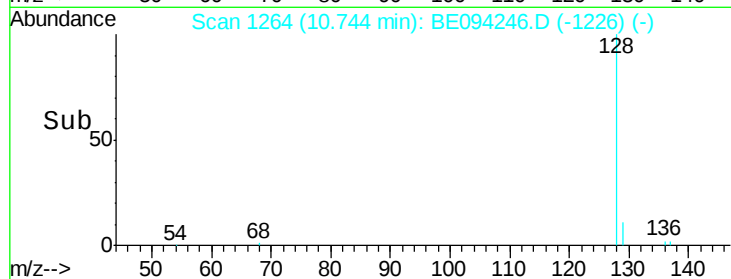
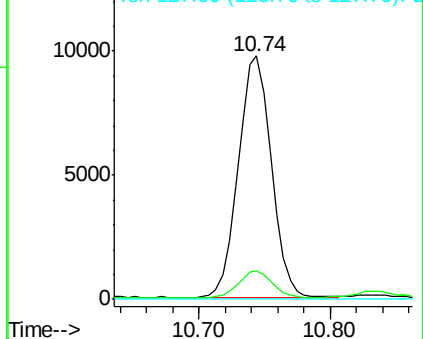
127 0.0 4.0 6.0#



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: 0.20 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094246.D

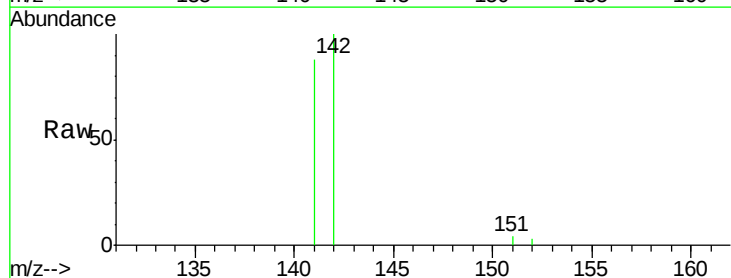
Acq: 10 Oct 2017 6:41

Tgt Ion:142 Resp: 4033

Ion Ratio Lower Upper

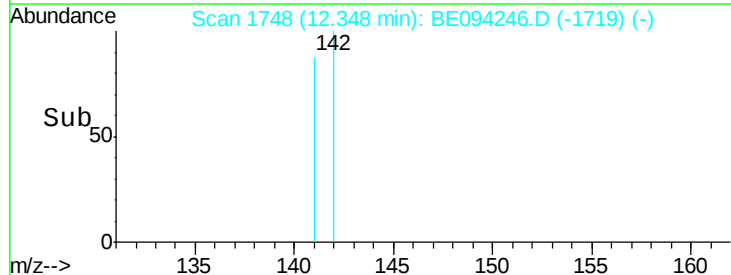
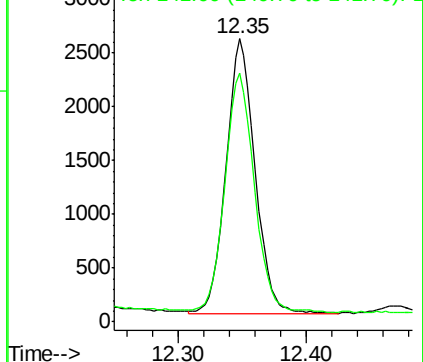
142 100

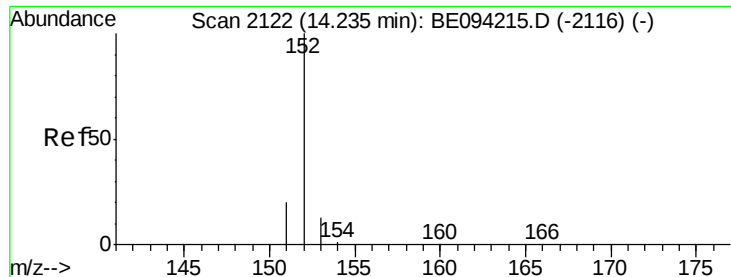
141 88.6 72.6 108.8



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# 2123

Delta R.T. -0.01 min

Lab File: BE094246.D

Acq: 10 Oct 2017 6:41

Instrument :

BNA_E

ClientSampled :

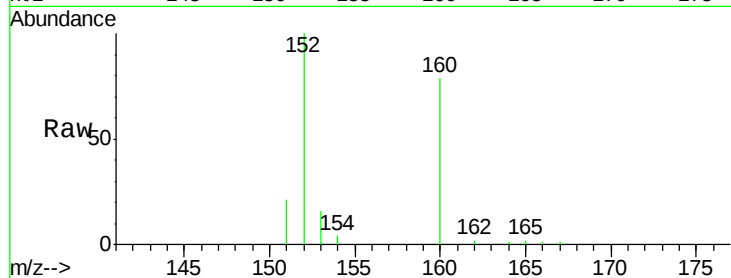
Tot Ion:152 Resp: 12655

Ion Ratio Lower Upper

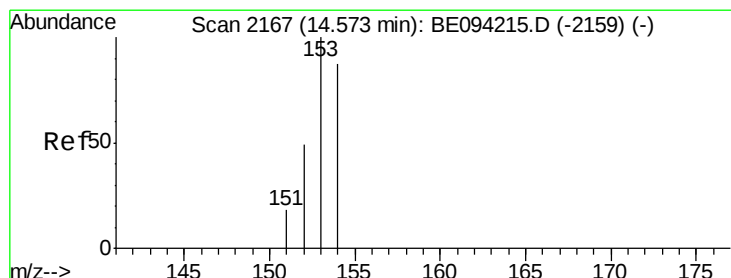
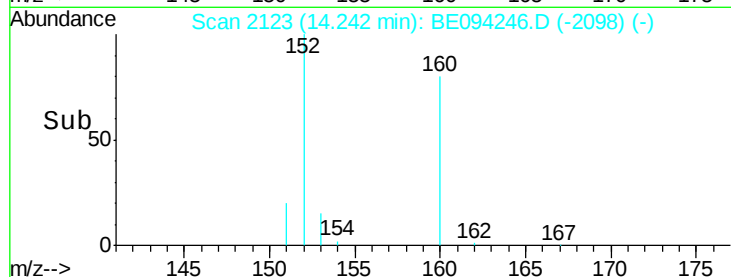
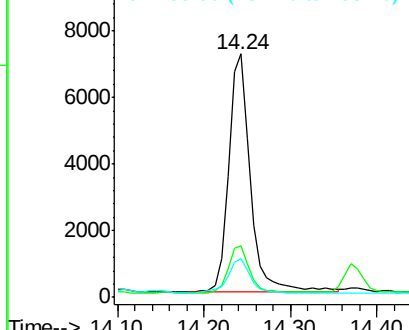
152 100

151 21.3 17.1 25.7

153 16.1 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# 2168

Delta R.T. -0.01 min

Lab File: BE094246.D

Acq: 10 Oct 2017 6:41

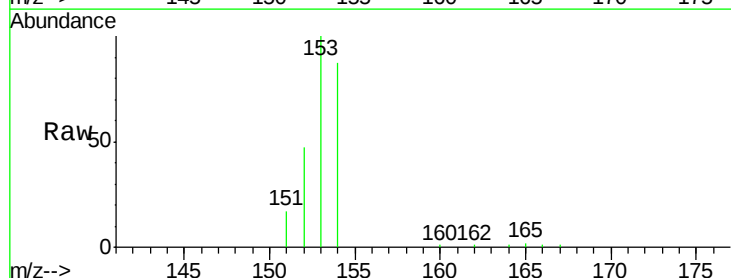
Tgt Ion:153 Resp: 19265

Ion Ratio Lower Upper

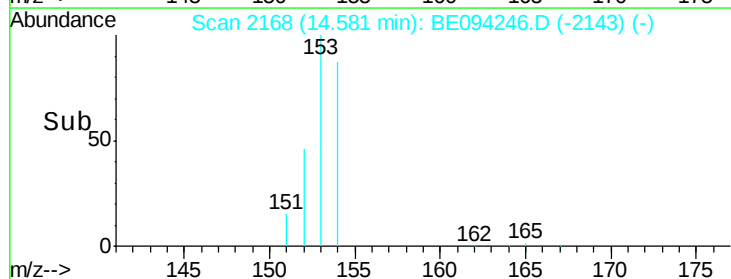
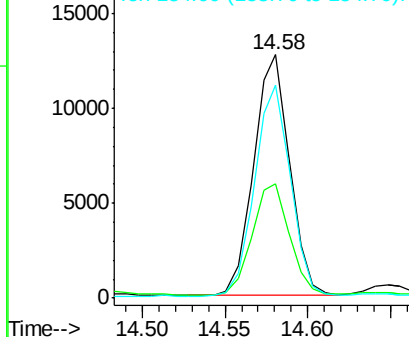
153 100

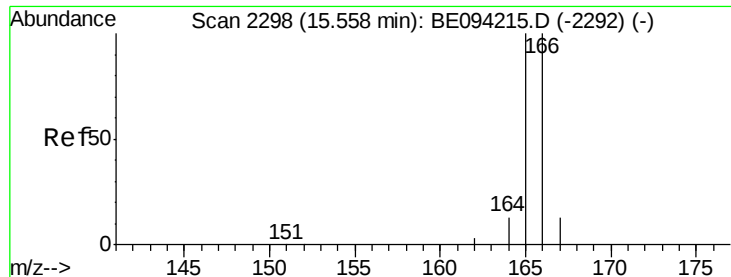
152 46.8 40.3 60.5

154 87.4 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

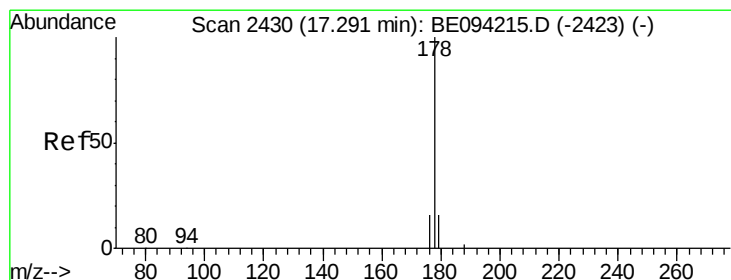
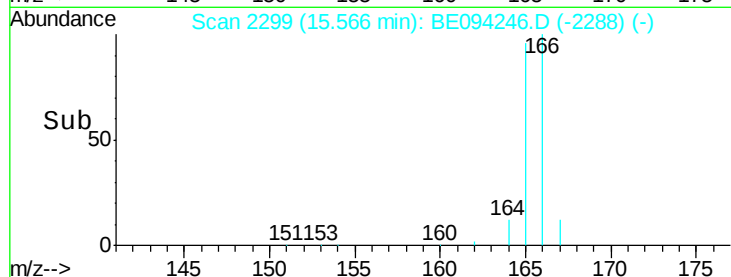
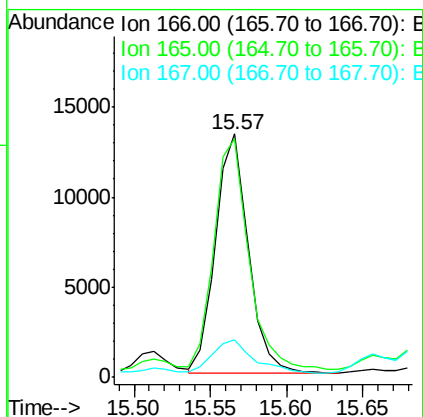
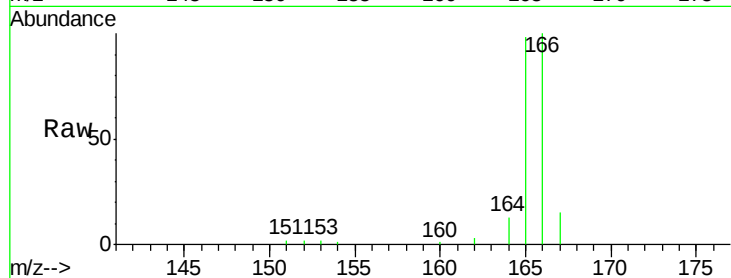




#9
Fluorene
 Concen: 0.71 ng/ul
 RT: 15.57 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094246.D
 Acq: 10 Oct 2017 6:41

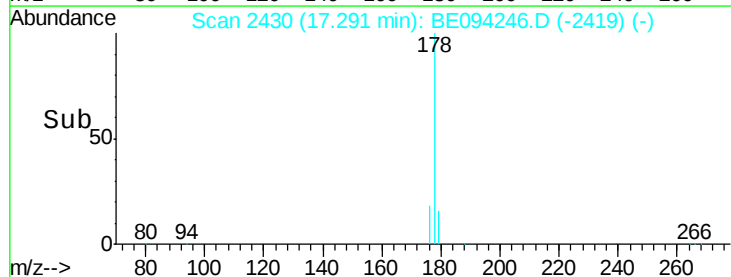
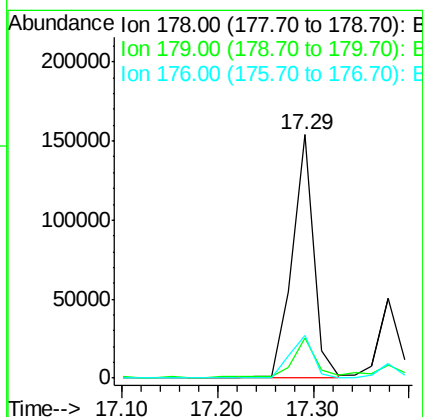
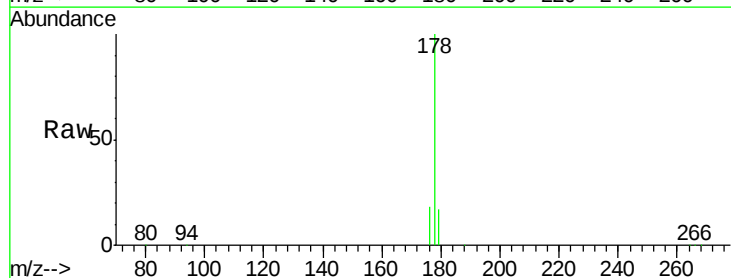
Instrument :
 BNA_E
 ClientSampleId :

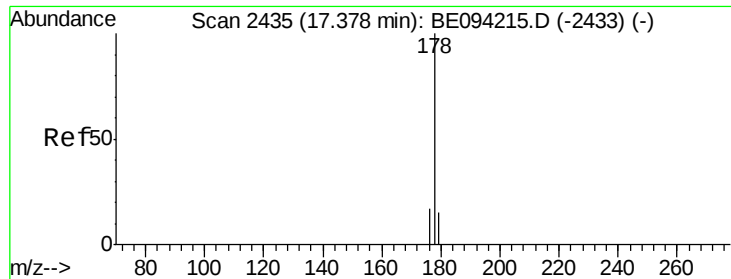
Tot Ion:166 Resp: 19834
 Ion Ratio Lower Upper
 166 100
 165 97.8 73.4 110.2
 167 15.3 14.6 22.0



#12
Phenanthrene
 Concen: 5.94 ng/ul
 RT: 17.29 min Scan# 2430
 Delta R.T. -0.02 min
 Lab File: BE094246.D
 Acq: 10 Oct 2017 6:41

Tgt Ion:178 Resp: 236422
 Ion Ratio Lower Upper
 178 100
 179 16.6 18.4 27.6#
 176 17.7 13.6 20.4





#13

Anthracene

Concen: 2.05 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. -0.02 min

Lab File: BE094246.D

Acq: 10 Oct 2017 6:41

Instrument :

BNA_E

ClientSampleId :

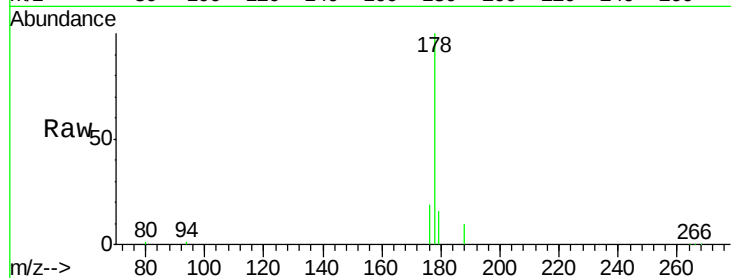
Tot Ion:178 Resp: 79152

Ion Ratio Lower Upper

178 100

179 16.0 18.1 27.1#

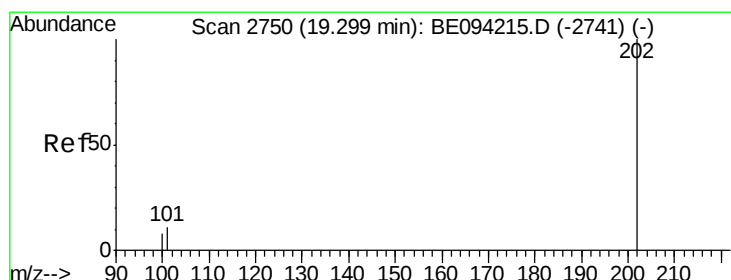
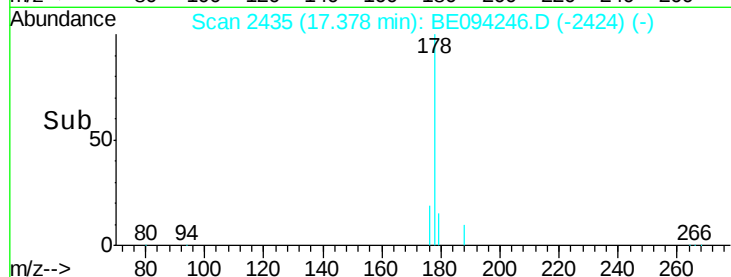
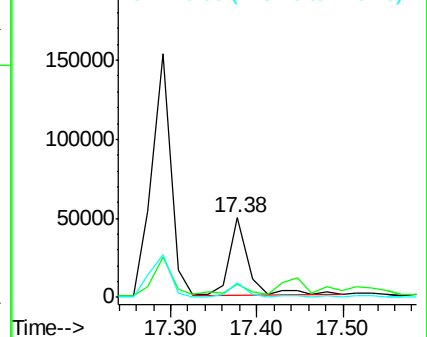
176 19.0 14.7 22.1



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: 16.84 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.01 min

Lab File: BE094246.D

Acq: 10 Oct 2017 6:41

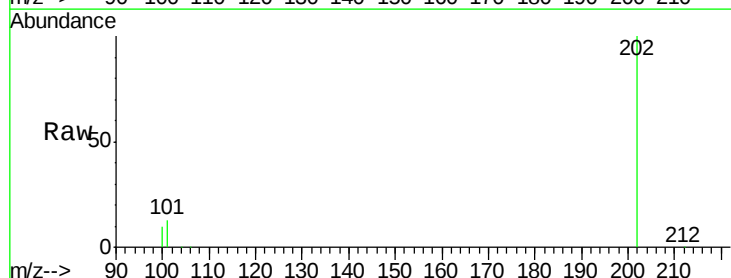
Tgt Ion:202 Resp: 880049

Ion Ratio Lower Upper

202 100

101 12.9 0.0 30.3

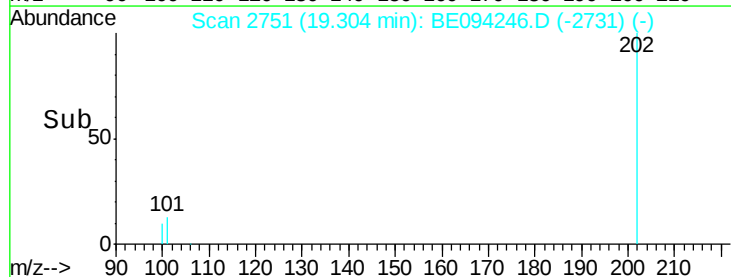
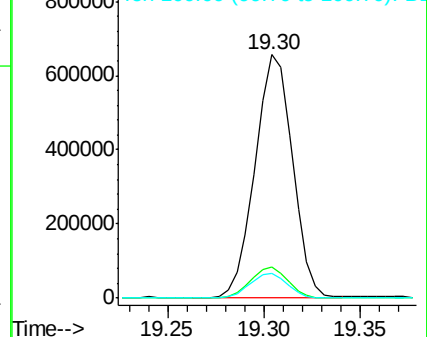
100 10.2 0.0 39.5

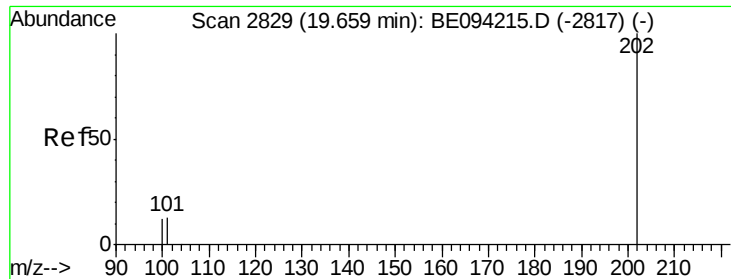


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 23.33 ng/ul

RT: 19.67 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE094246.D

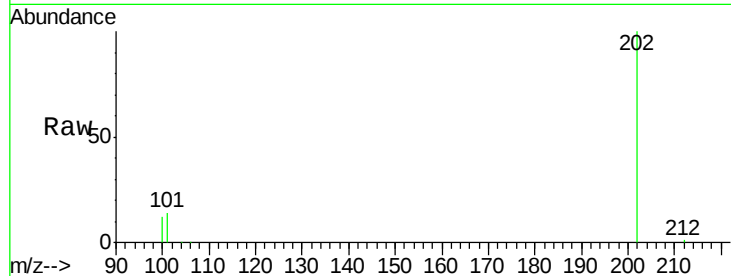
Acq: 10 Oct 2017 6:41

Instrument :

BNA_E

ClientSampleId :

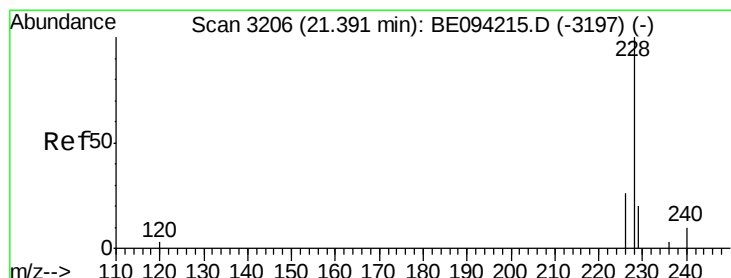
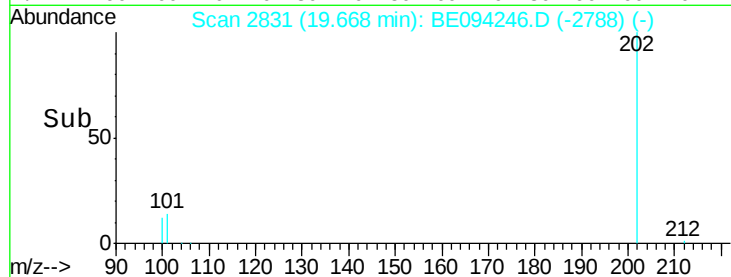
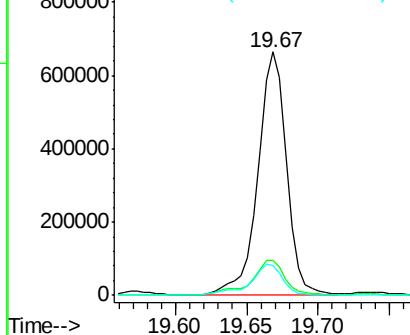
Tot Ion:	202	Resp:	933893
Ion Ratio	Lower	Upper	
202	100		
101	14.5	18.2	27.4#
100	12.4	15.6	23.4#



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: 16.86 ng/ul

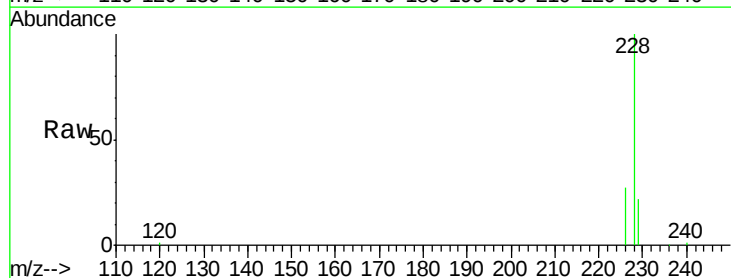
RT: 21.40 min Scan# 3208

Delta R.T. -0.00 min

Lab File: BE094246.D

Acq: 10 Oct 2017 6:41

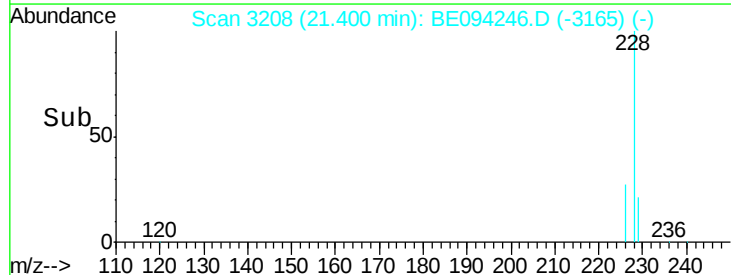
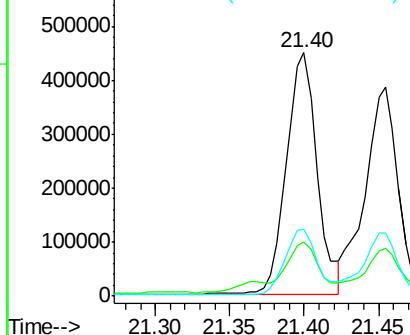
Tgt Ion:	228	Resp:	643680
Ion Ratio	Lower	Upper	
228	100		
229	22.2	22.8	34.2#
226	27.5	17.0	25.6#

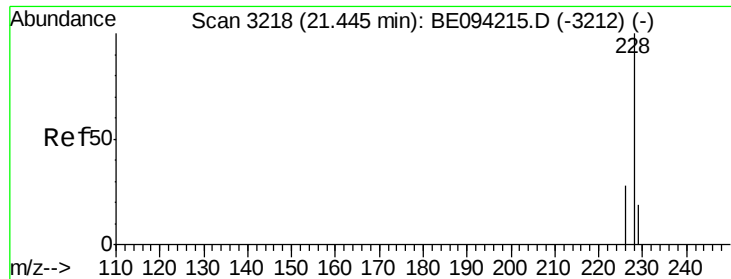


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 13.41 ng/ul

RT: 21.45 min Scan# 3220

Delta R.T. 0.00 min

Lab File: BE094246.D

Acq: 10 Oct 2017 6:41

Instrument :

BNA_E

ClientSampleId :

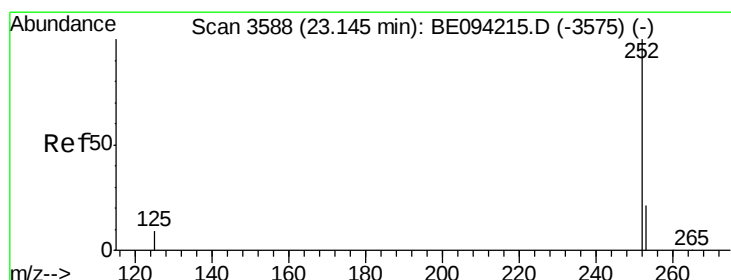
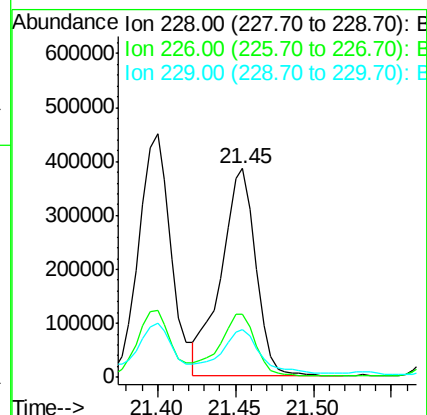
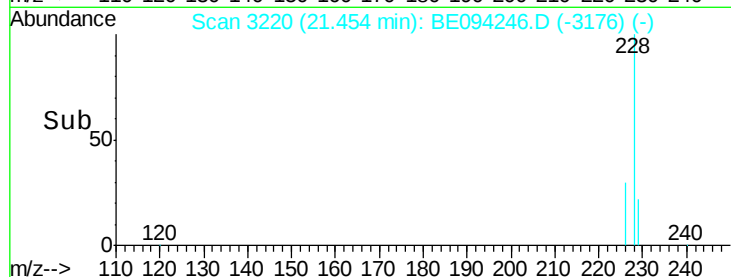
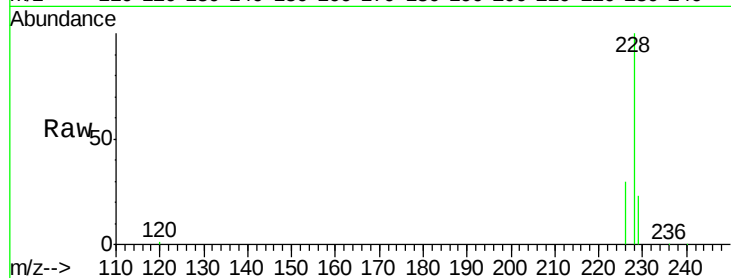
Tot Ion:228 Resp: 590993

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.0

229 23.1 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.34 ng/ul

RT: 23.16 min Scan# 3591

Delta R.T. 0.00 min

Lab File: BE094246.D

Acq: 10 Oct 2017 6:41

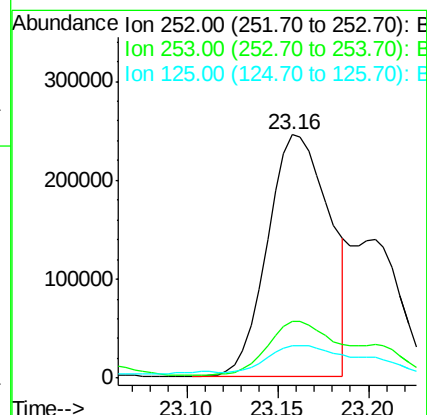
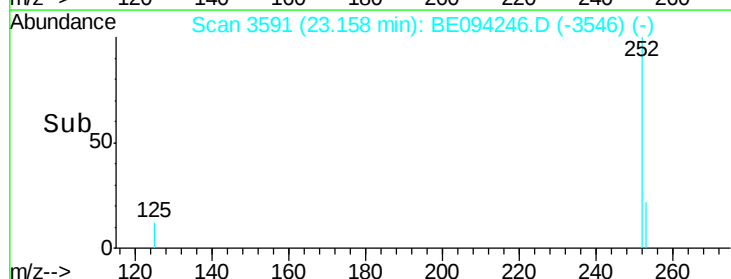
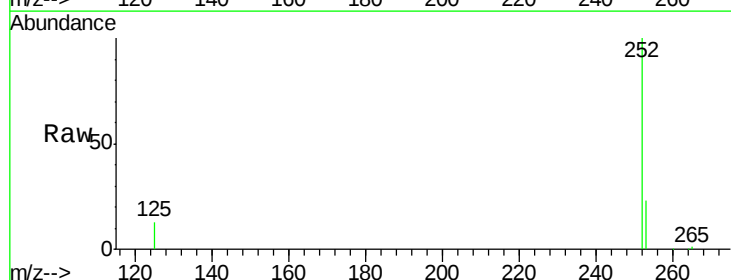
Tgt Ion:252 Resp: 578195

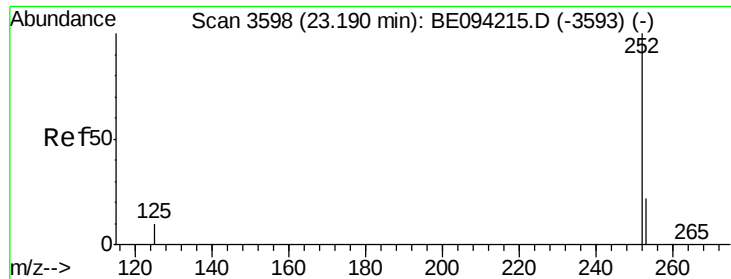
Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

125 13.3 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.30 ng/ul

RT: 23.16 min Scan# 3591

Delta R.T. -0.05 min

Lab File: BE094246.D

Acq: 10 Oct 2017 6:41

Instrument :

BNA_E

ClientSampleId :

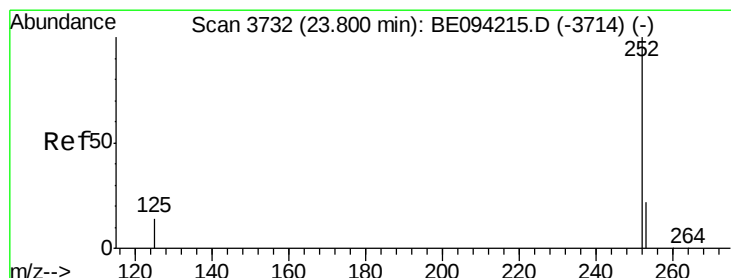
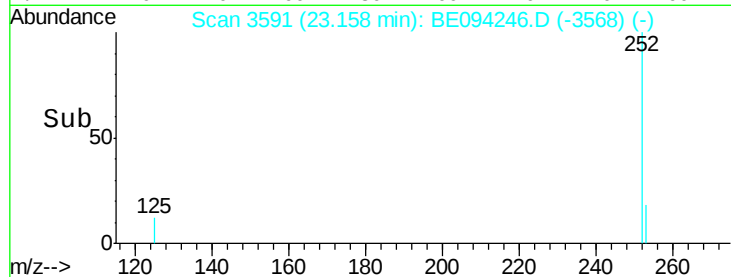
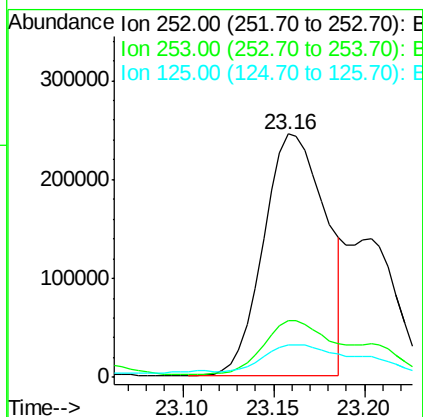
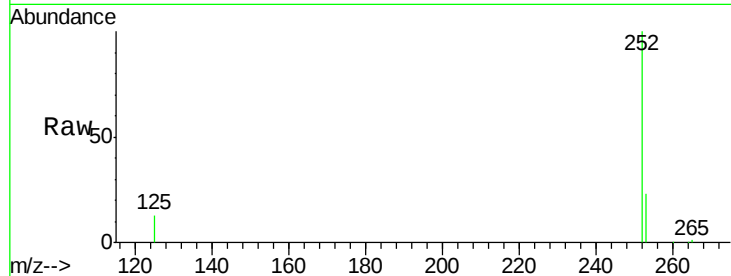
Tot Ion:252 Resp: 578195

Ion Ratio Lower Upper

252 100

253 23.0 24.5 36.7#

125 13.3 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 0.17 ng/ul

RT: 23.71 min Scan# 3712

Delta R.T. -0.10 min

Lab File: BE094246.D

Acq: 10 Oct 2017 6:41

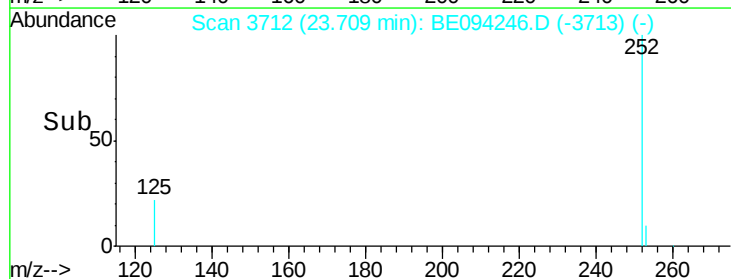
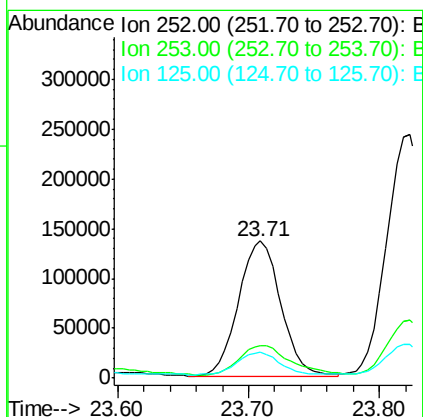
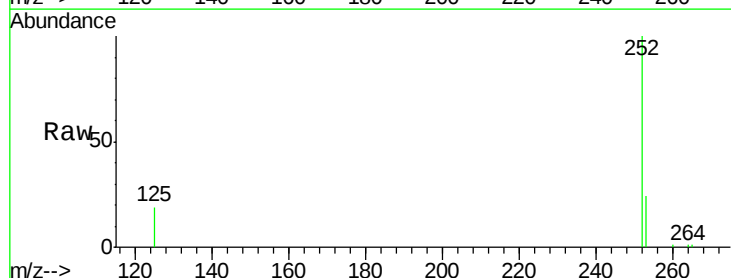
Tgt Ion:252 Resp: 301816

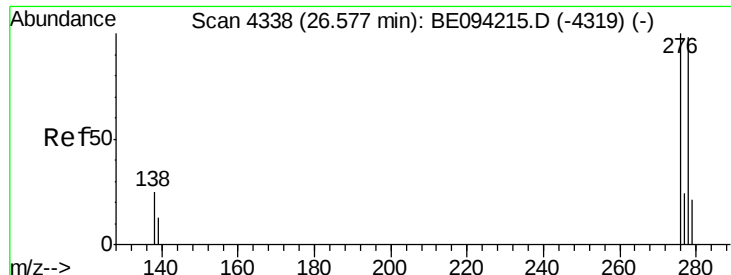
Ion Ratio Lower Upper

252 100

253 24.0 28.5 42.7#

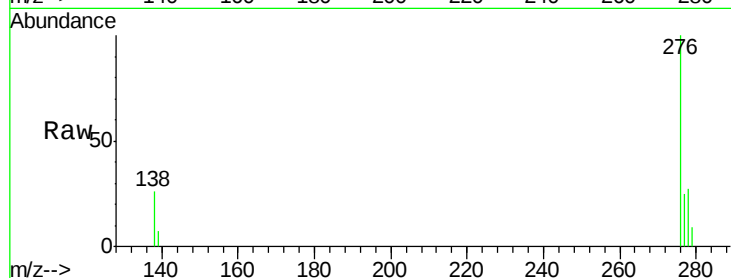
125 18.7 18.1 27.1





#25
Dibenzo(a,h)anthracene
Concen: 0.04 ng/ul
RT: 26.59 min Scan# 4341
Delta R.T. -0.01 min
Lab File: BE094246.D
Acq: 10 Oct 2017 6:41

Instrument :
BNA_E
ClientSampleId :



Tot Ion:278 Resp: 55352
Ion Ratio Lower Upper
278 100
139 25.9 17.4 26.0
279 32.9 25.9 38.9

