

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094233.D
 Acq On : 9 Oct 2017 22:41
 Operator : SJ/JU
 Sample : I5522-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 10 08:50:40 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	2573	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	13312	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	7840	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	17432	0.40	ng/ul	-0.04
16) Chrysene-d12	21.41	240	17990	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	19100	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	1892	0.09	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	5468	0.09	ng/ul	-0.02

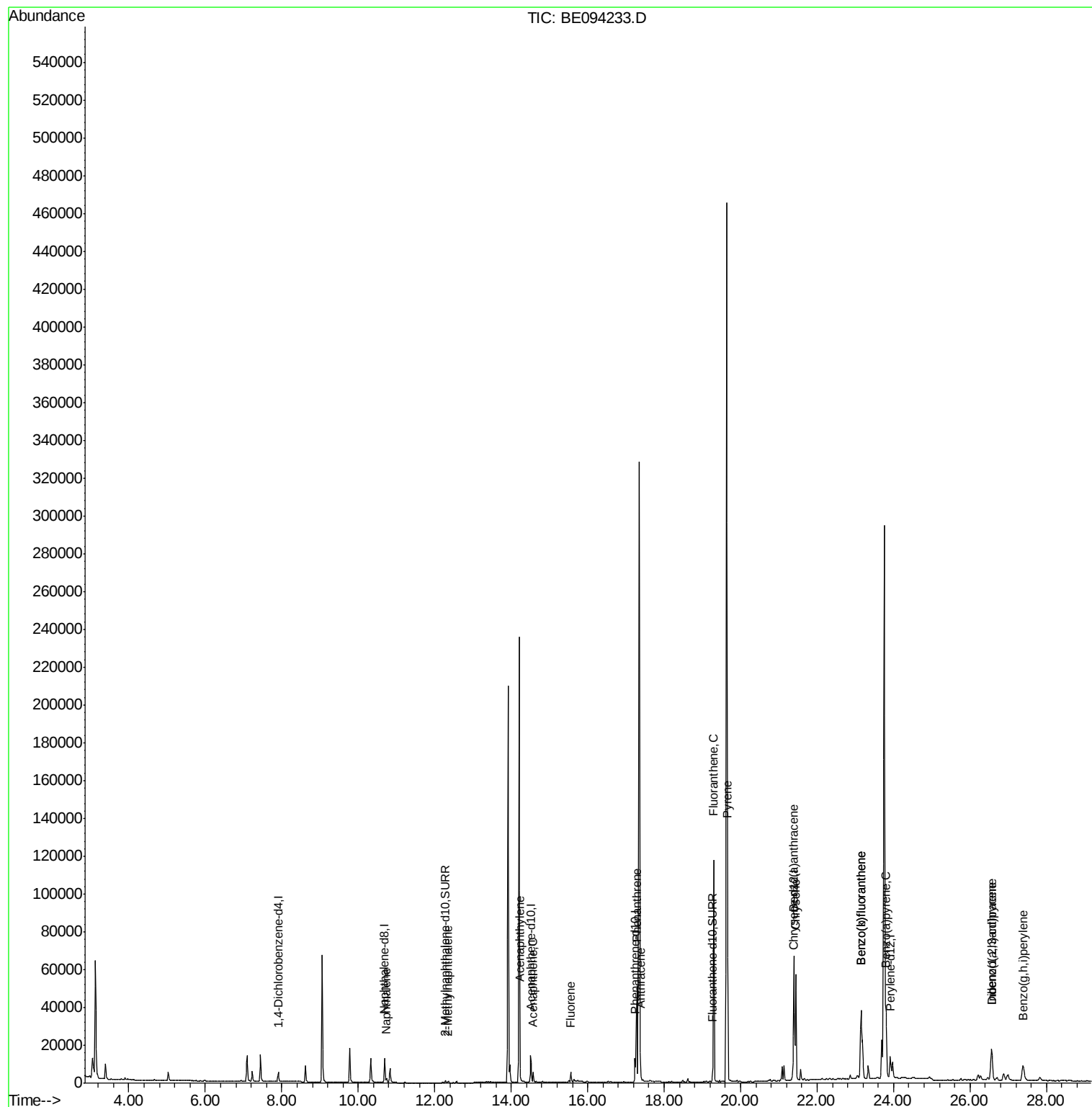
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	2819	0.09	ng/ul#	96
5) 2-Methylnaphthalene	12.35	142	911	0.04	ng/ul	100
7) Acenaphthylene	14.24	152	1373	0.04	ng/ul#	89
8) Acenaphthene	14.57	153	3106	0.12	ng/ul	97
9) Fluorene	15.56	166	3201	0.11	ng/ul	93
12) Phenanthrene	17.29	178	70872	1.56	ng/ul#	92
13) Anthracene	17.38	178	15613	0.35	ng/ul#	92
15) Fluoranthene	19.30	202	127640	2.13	ng/ul	84
17) Pyrene	19.66	202	111303	2.22	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	61070	1.28	ng/ul#	87
19) Chrysene	21.45	228	56921	1.03	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	93970	1.81	ng/ul	87
22) Benzo(k)fluoranthene	23.15	252	93970	1.57	ng/ul#	89
23) Benzo(a)pyrene	23.80	252	50022	0.93	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.56	276	30148	0.55	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.57	278	8023	0.17	ng/ul#	94
26) Benzo(a,h,i)perylene	27.39	276	21441	0.45	ng/ul	99

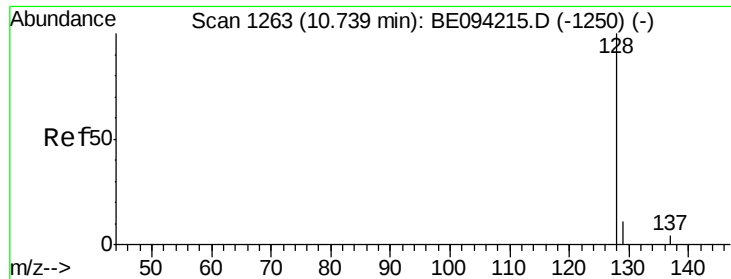
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.09 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094233.D

Acq: 9 Oct 2017 22:41

Instrument :

BNA_E

ClientSampleId :

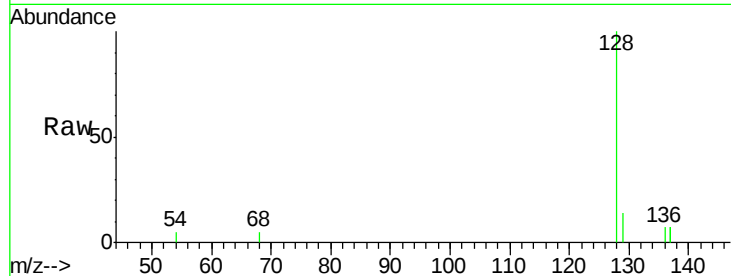
Tot Ion:128 Resp: 2819

Ion Ratio Lower Upper

128 100

129 14.1 11.3 16.9

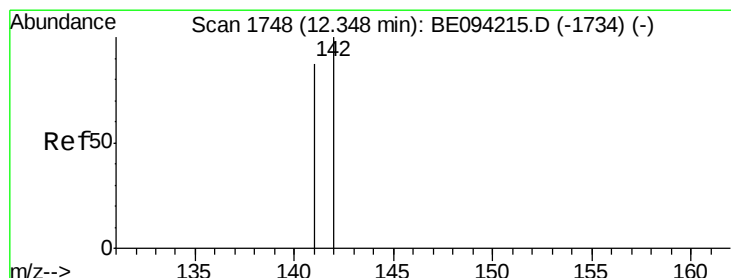
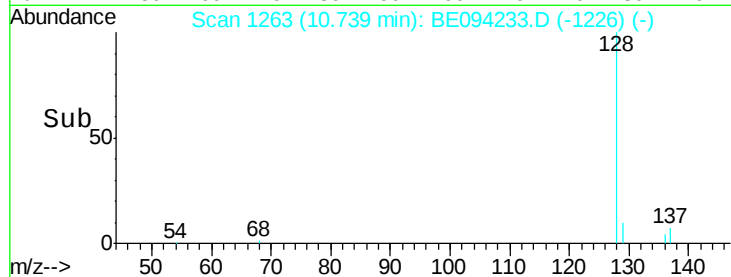
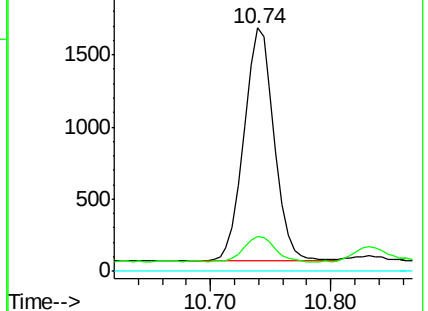
127 0.0 4.0 6.0#



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: 0.04 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094233.D

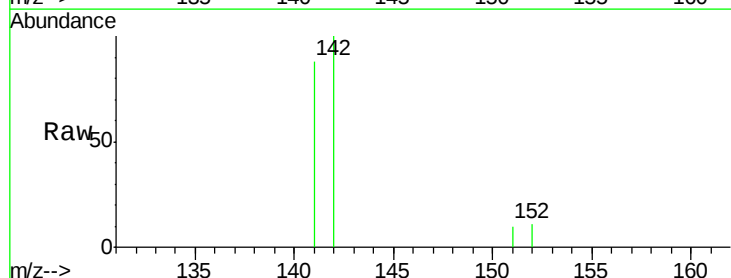
Acq: 9 Oct 2017 22:41

Tgt Ion:142 Resp: 911

Ion Ratio Lower Upper

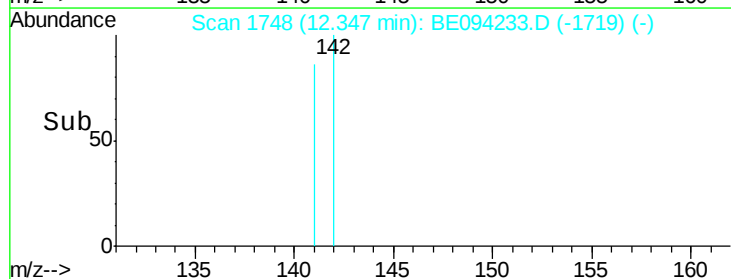
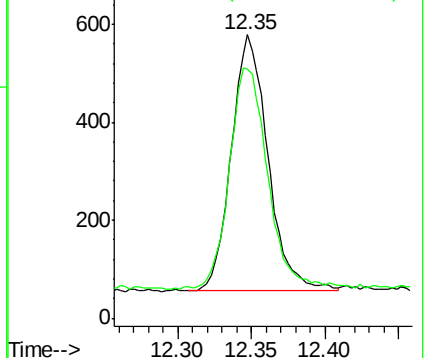
142 100

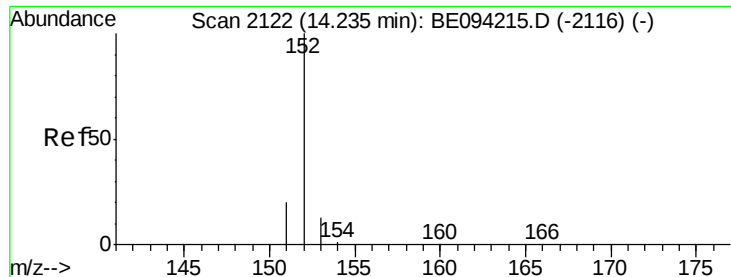
141 91.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094233.D

Acq: 9 Oct 2017 22:41

Instrument :

BNA_E

ClientSampled :

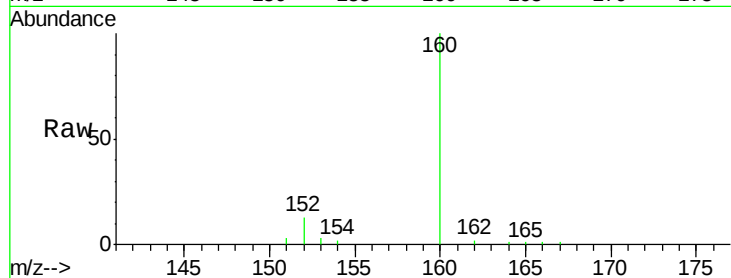
Tot Ion:152 Resp: 1373

Ion Ratio Lower Upper

152 100

151 26.0 17.1 25.7#

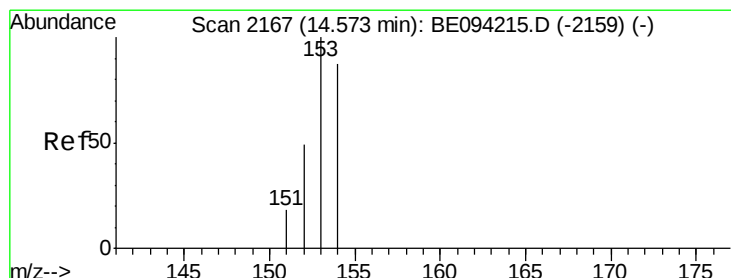
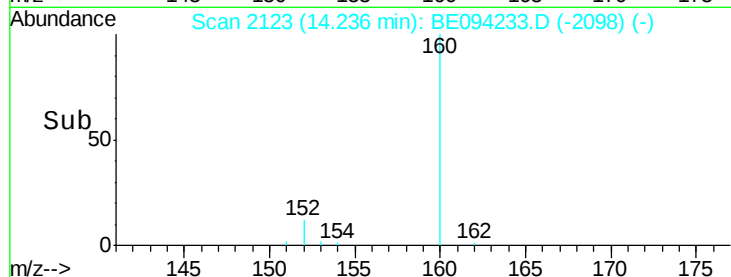
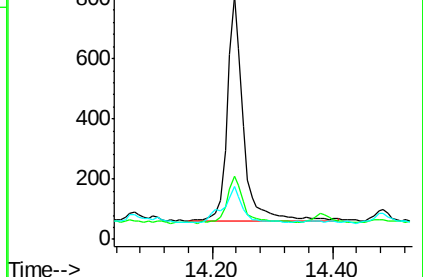
153 21.7 12.8 19.2#



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: 0.12 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094233.D

Acq: 9 Oct 2017 22:41

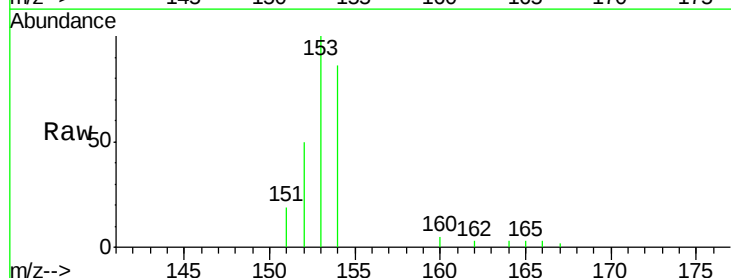
Tgt Ion:153 Resp: 3106

Ion Ratio Lower Upper

153 100

152 49.8 40.3 60.5

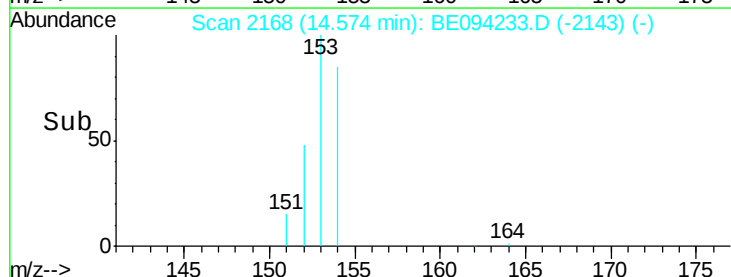
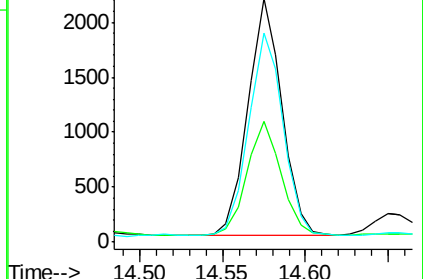
154 85.8 71.4 107.2

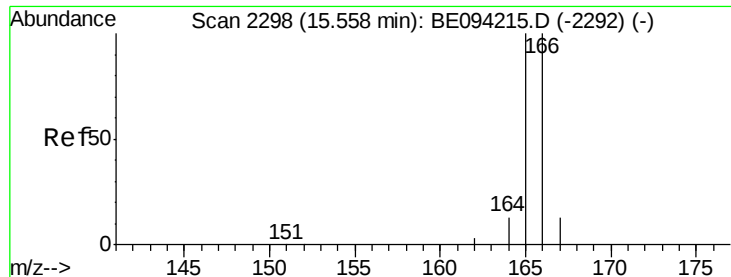


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

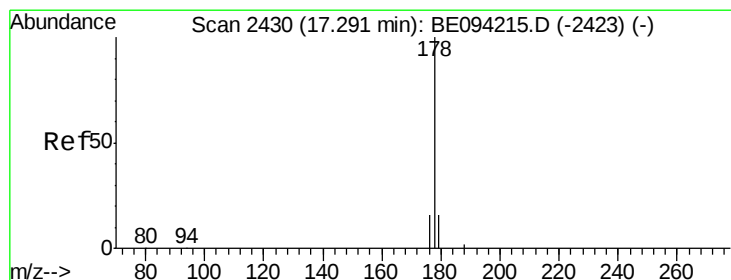
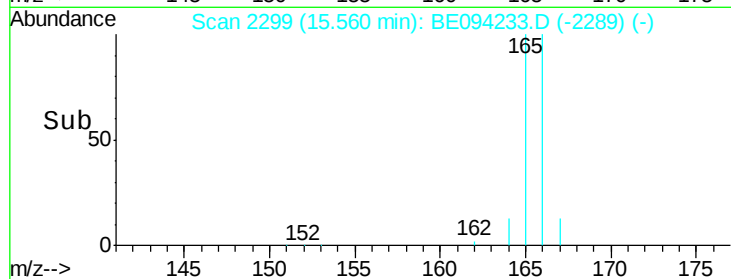
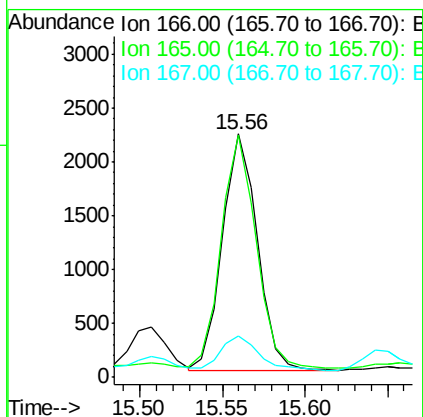
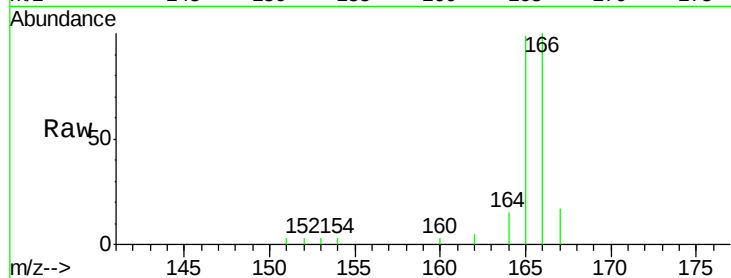




#9
Fluorene
 Concen: 0.11 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094233.D
 Acq: 9 Oct 2017 22:41

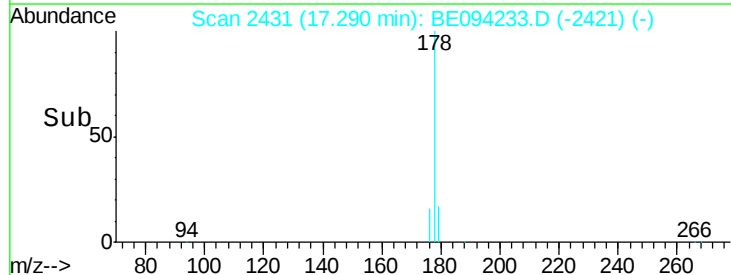
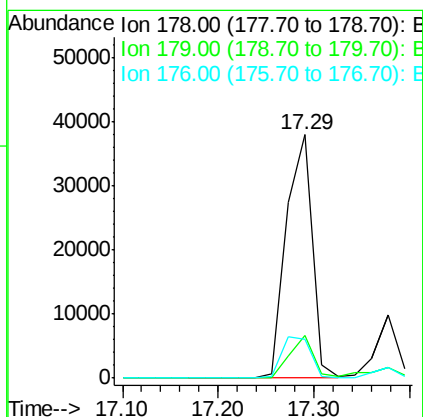
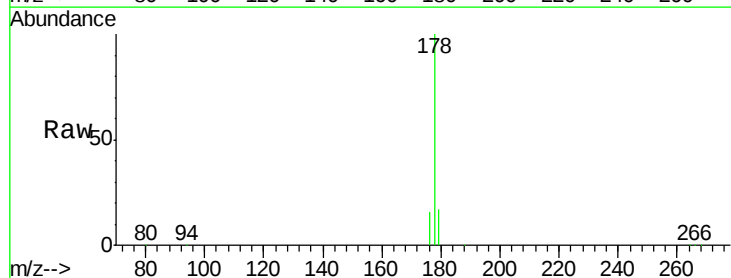
Instrument :
 BNA_E
 ClientSampleId :

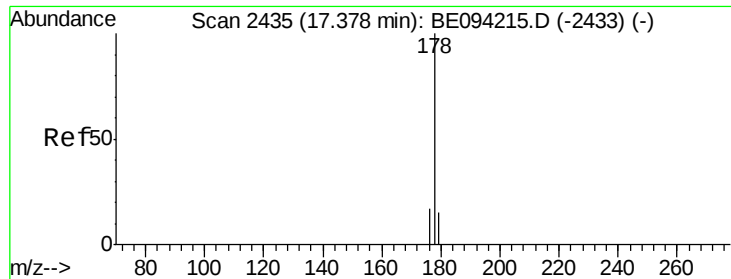
Tot Ion:166 Resp: 3201
 Ion Ratio Lower Upper
 166 100
 165 99.3 73.4 110.2
 167 16.9 14.6 22.0



#12
Phenanthrene
 Concen: 1.56 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094233.D
 Acq: 9 Oct 2017 22:41

Tgt Ion:178 Resp: 70872
 Ion Ratio Lower Upper
 178 100
 179 17.3 18.4 27.6#
 176 16.1 13.6 20.4





#13

Anthracene

Concen: 0.35 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094233.D

Acq: 9 Oct 2017 22:41

Instrument :

BNA_E

ClientSampleId :

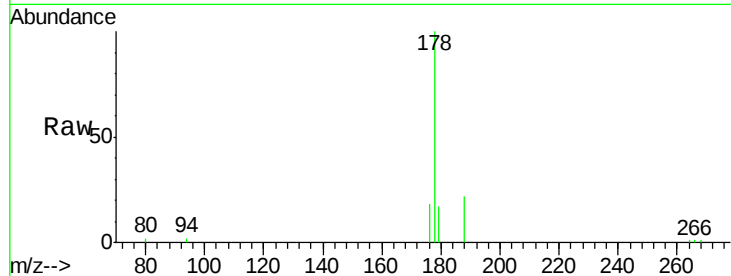
Tot Ion:178 Resp: 15613

Ion Ratio Lower Upper

178 100

179 16.8 18.1 27.1#

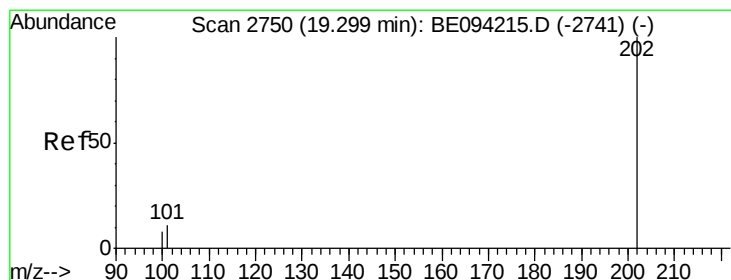
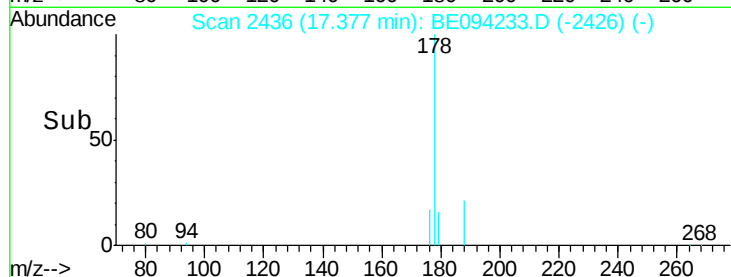
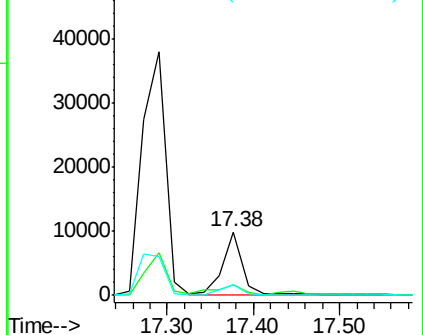
176 17.6 14.7 22.1



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: 2.13 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.01 min

Lab File: BE094233.D

Acq: 9 Oct 2017 22:41

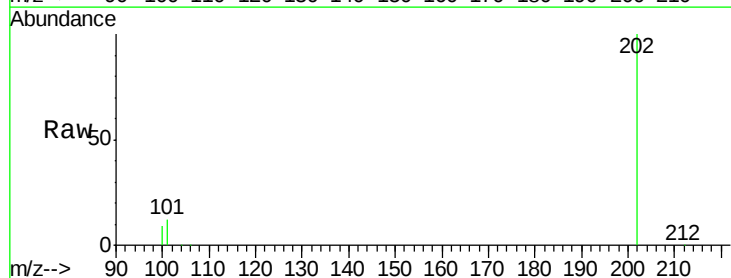
Tgt Ion:202 Resp: 127640

Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.3

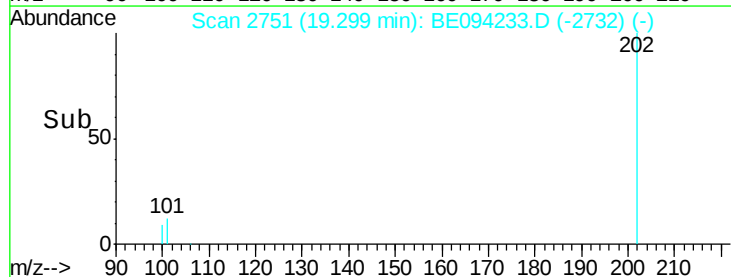
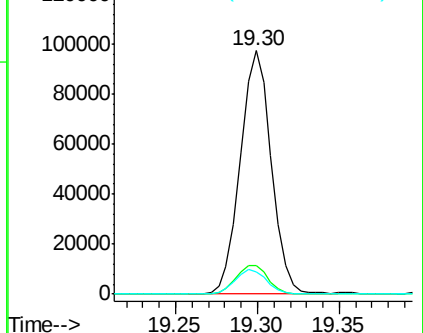
100 9.2 0.0 39.5

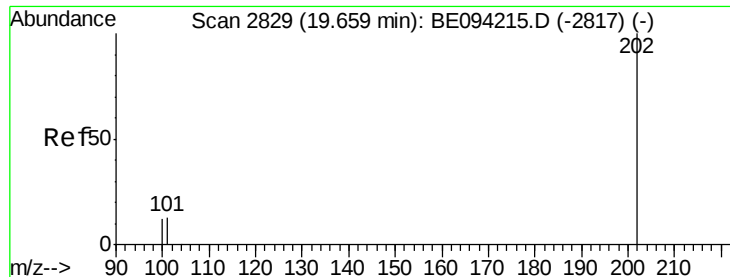


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

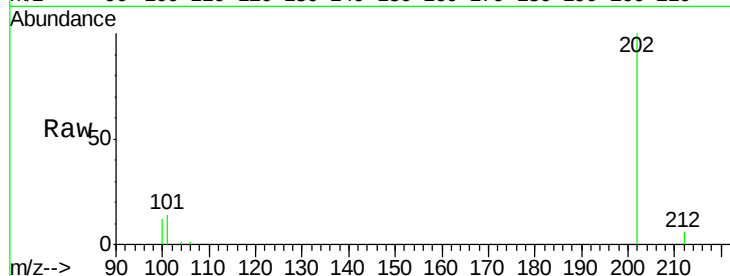




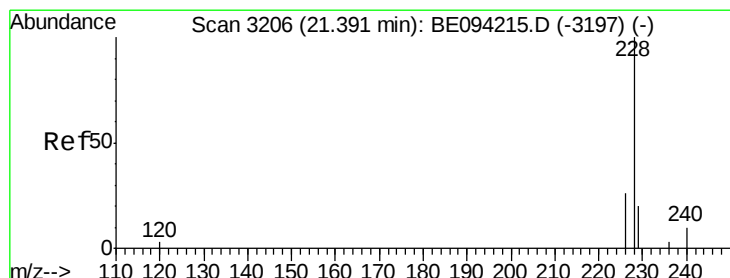
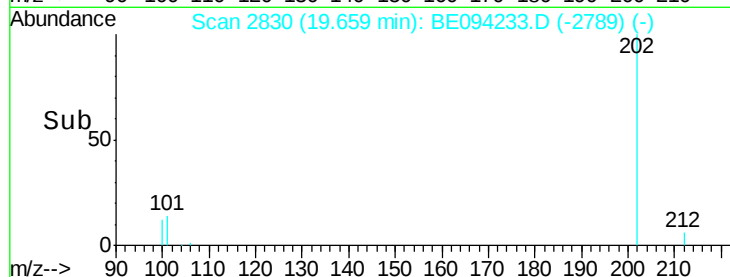
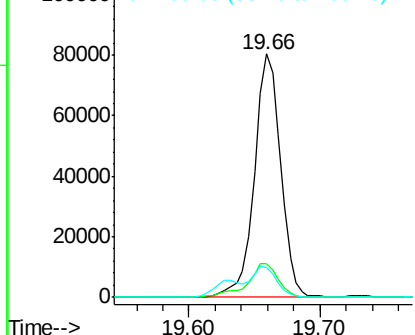
#17
Pvrene
Concen: 2.22 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. -0.01 min
Lab File: BE094233.D
Acq: 9 Oct 2017 22:41

Instrument :
BNA_E
ClientSampleId :

Tot Ion:202 Resp: 111303
Ion Ratio Lower Upper
202 100
101 14.0 18.2 27.4#
100 12.1 15.6 23.4#

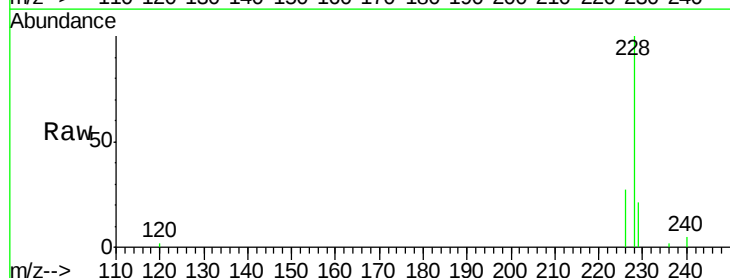


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E

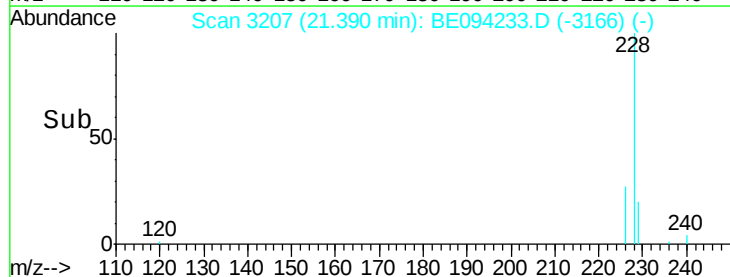
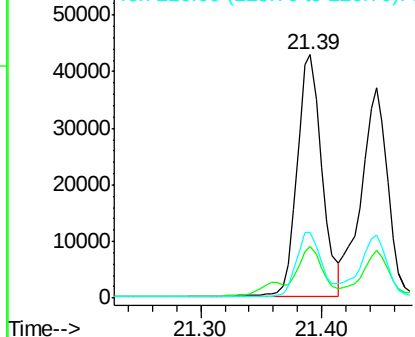


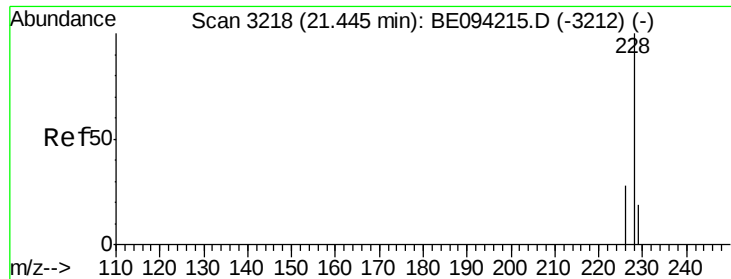
#18
Benzo(a)anthracene
Concen: 1.28 ng/ul
RT: 21.39 min Scan# 3207
Delta R.T. -0.01 min
Lab File: BE094233.D
Acq: 9 Oct 2017 22:41

Tgt Ion:228 Resp: 61070
Ion Ratio Lower Upper
228 100
229 21.1 22.8 34.2#
226 27.1 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: 1.03 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.01 min

Lab File: BE094233.D

Acq: 9 Oct 2017 22:41

Instrument :

BNA_E

ClientSampleId :

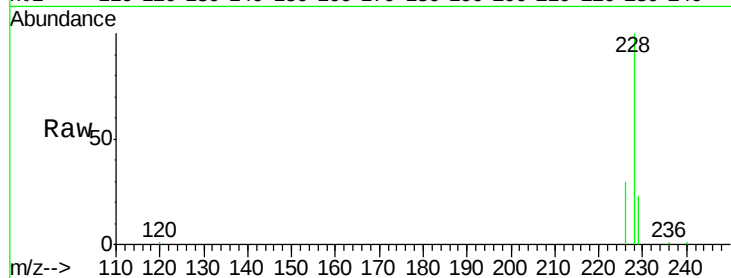
Tot Ion:228 Resp: 56921

Ion Ratio Lower Upper

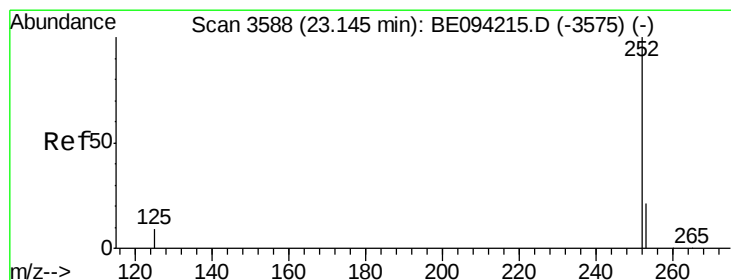
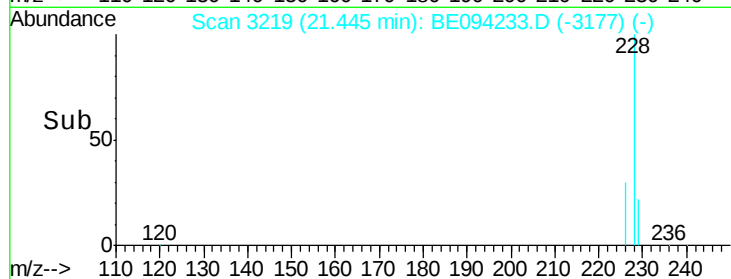
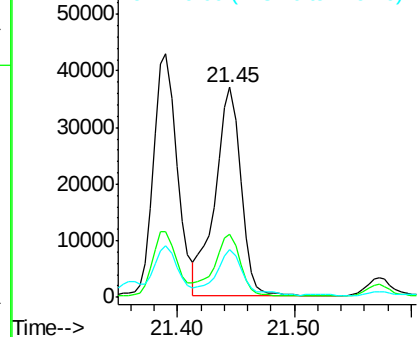
228 100

226 30.0 23.4 35.0

229 22.6 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: 1.81 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. -0.00 min

Lab File: BE094233.D

Acq: 9 Oct 2017 22:41

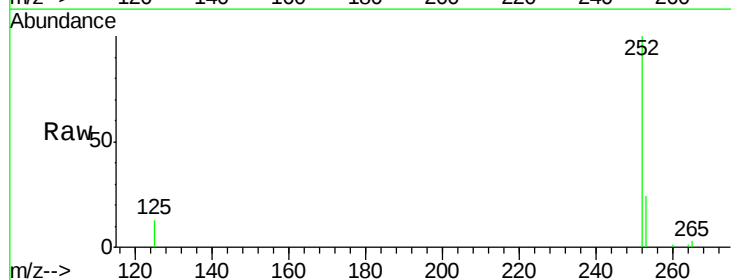
Tgt Ion:252 Resp: 93970

Ion Ratio Lower Upper

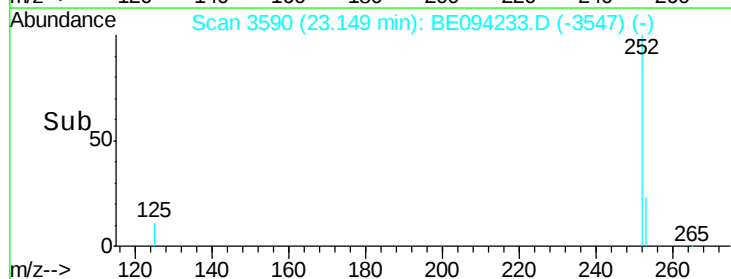
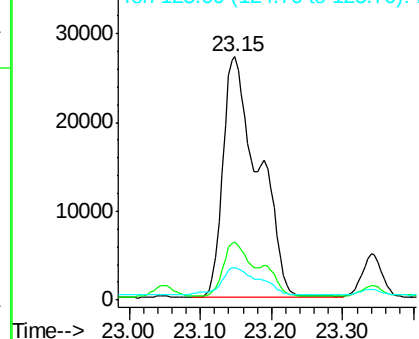
252 100

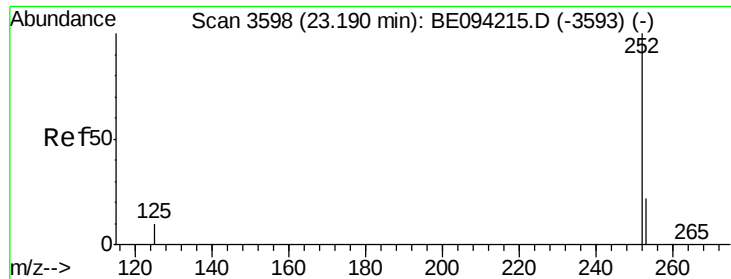
253 24.0 0.0 64.2

125 13.3 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

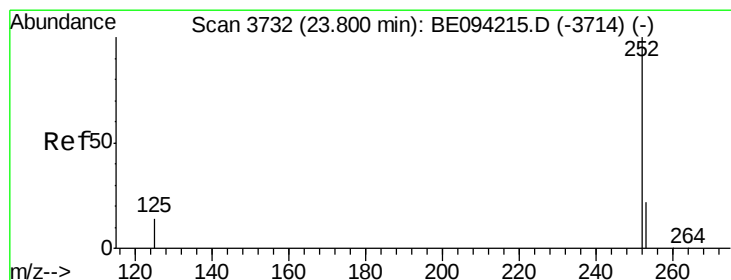
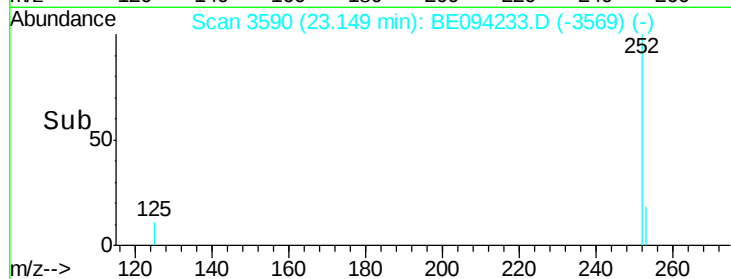
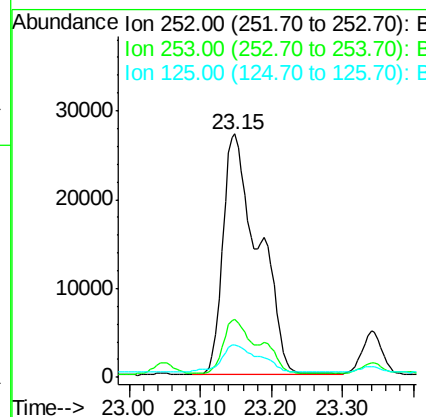
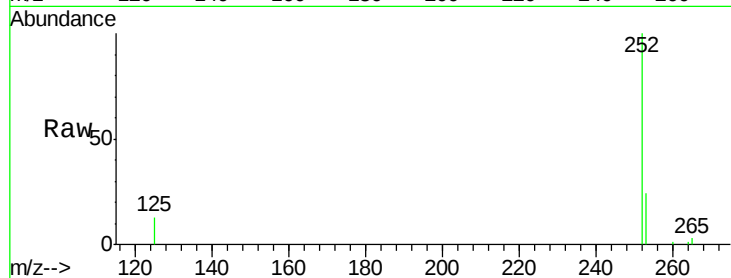




#22
Benzo(k)fluoranthene
Concen: 1.57 ng/ul
RT: 23.15 min Scan# 3590
Delta R.T. -0.05 min
Lab File: BE094233.D
Acq: 9 Oct 2017 22:41

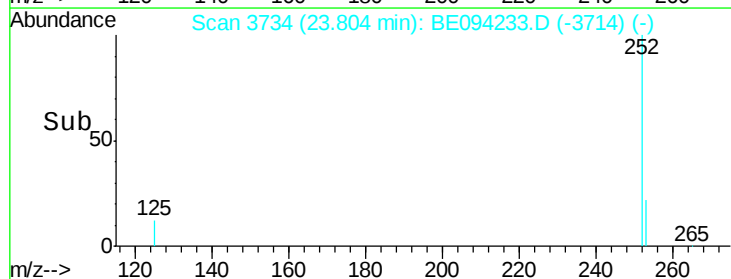
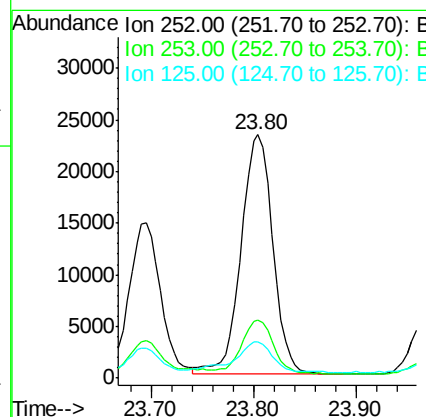
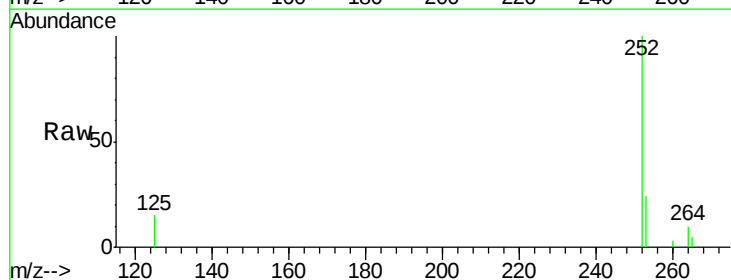
Instrument :
BNA_E
ClientSampleId :

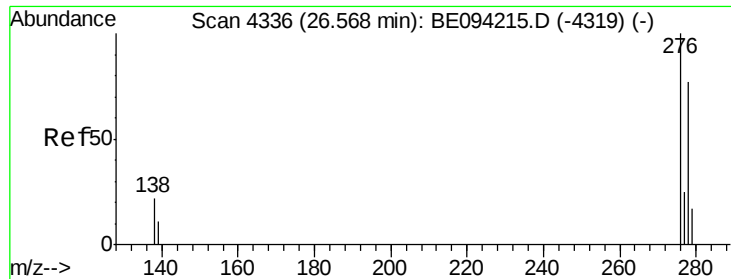
Tot Ion:252 Resp: 93970
Ion Ratio Lower Upper
252 100
253 24.0 24.5 36.7#
125 13.3 13.7 20.5#



#23
Benzo(a)pyrene
Concen: 0.93 ng/ul
RT: 23.80 min Scan# 3734
Delta R.T. -0.01 min
Lab File: BE094233.D
Acq: 9 Oct 2017 22:41

Tgt Ion:252 Resp: 50022
Ion Ratio Lower Upper
252 100
253 23.8 28.5 42.7#
125 14.6 18.1 27.1#

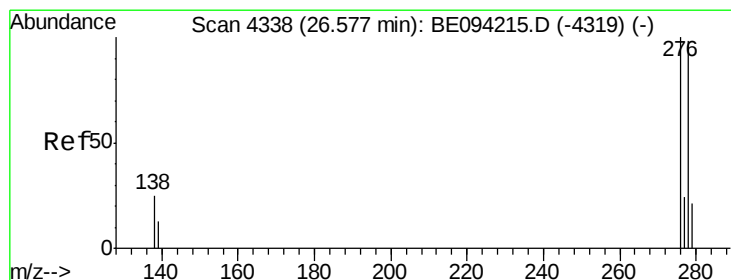
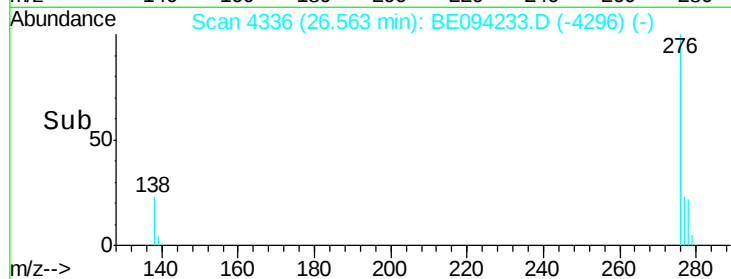
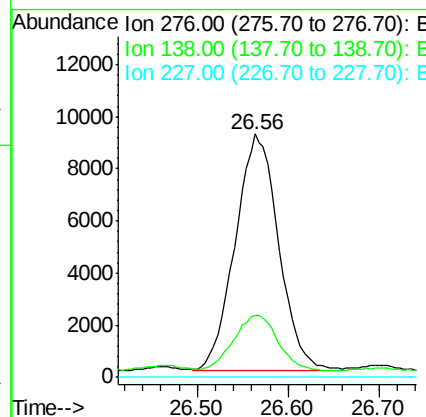
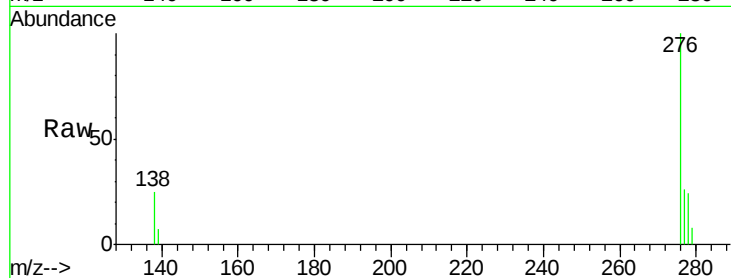




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.55 ng/ul
 RT: 26.56 min Scan# 4336
 Delta R.T. -0.02 min
 Lab File: BE094233.D
 Acq: 9 Oct 2017 22:41

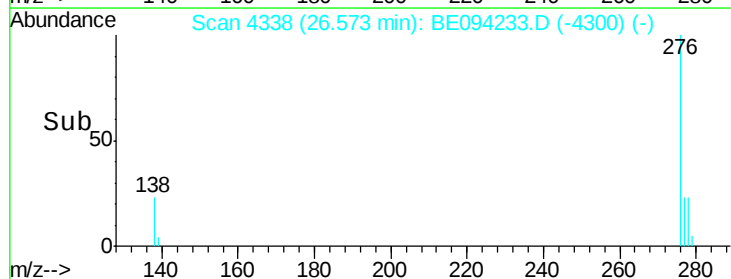
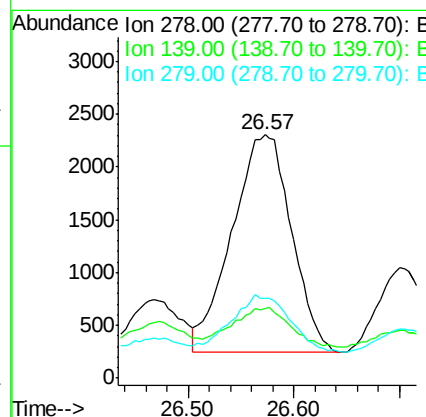
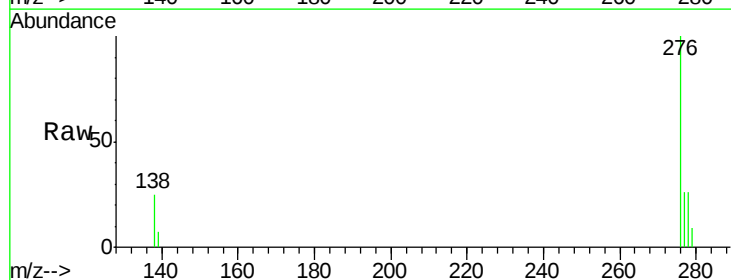
Instrument :
 BNA_E
 ClientSampleId :

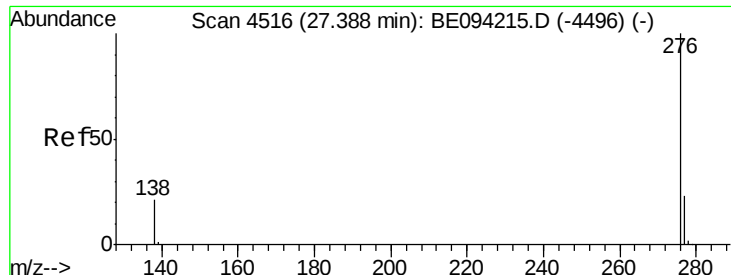
Tot Ion:276 Resp: 30148
 Ion Ratio Lower Upper
 276 100
 138 23.6 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.17 ng/ul
 RT: 26.57 min Scan# 4338
 Delta R.T. -0.03 min
 Lab File: BE094233.D
 Acq: 9 Oct 2017 22:41

Tgt Ion:278 Resp: 8023
 Ion Ratio Lower Upper
 278 100
 139 28.6 17.4 26.0#
 279 32.9 25.9 38.9

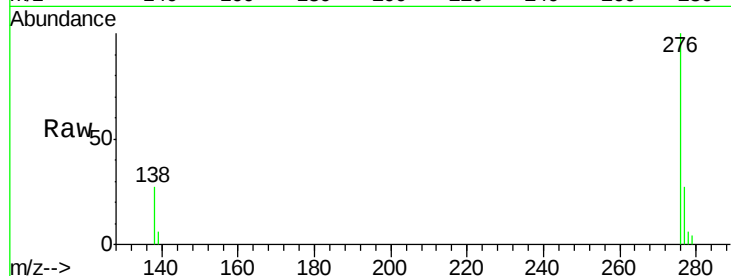




#26
 Benzo(a,h,i)perylene
 Concen: 0.45 ng/ul
 RT: 27.39 min Scan# 4517
 Delta R.T. -0.01 min
 Lab File: BE094233.D
 Acq: 9 Oct 2017 22:41

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.8	32.8
277	26.8	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

