

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094237.D
 Acq On : 10 Oct 2017 1:10
 Operator : SJ/JU
 Sample : I5522-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 10 08:51:27 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	2587	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	13209	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	7738	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.24	188	17246	0.40	ng/ul	-0.03
16) Chrysene-d12	21.41	240	17253	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	15936	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	2232	0.11	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	5762	0.10	ng/ul	-0.02

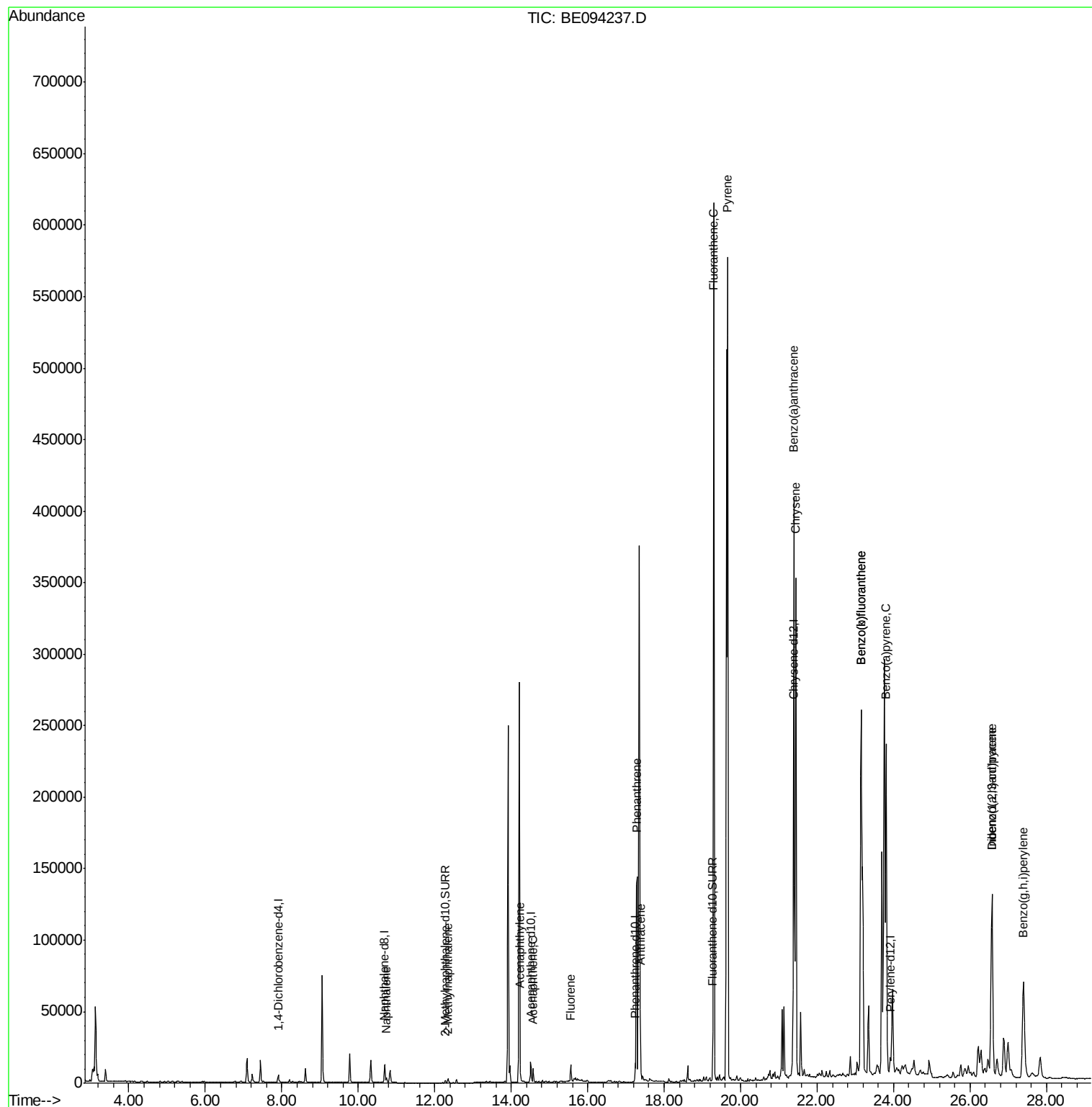
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	4642	0.14	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	2791	0.13	ng/ul	99
7) Acenaphthylene	14.24	152	8970	0.30	ng/ul	98
8) Acenaphthene	14.57	153	5792	0.23	ng/ul	99
9) Fluorene	15.56	166	7911	0.27	ng/ul	93
12) Phenanthrene	17.29	178	225916	5.01	ng/ul#	93
13) Anthracene	17.38	178	60130	1.37	ng/ul#	92
15) Fluoranthene	19.30	202	667201	11.27	ng/ul	84
17) Pyrene	19.66	202	618336	12.88	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	374947	8.19	ng/ul#	86
19) Chrysene	21.45	228	364345	6.89	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	653132	15.09	ng/ul	85
22) Benzo(k)fluoranthene	23.15	252	653338	13.06	ng/ul#	87
23) Benzo(a)pyrene	23.81	252	349039	7.76	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.57	276	228380	4.96	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.57	278	59194	1.53	ng/ul	96
26) Benzo(a,h,i)perylene	27.39	276	169661	4.27	ng/ul	97

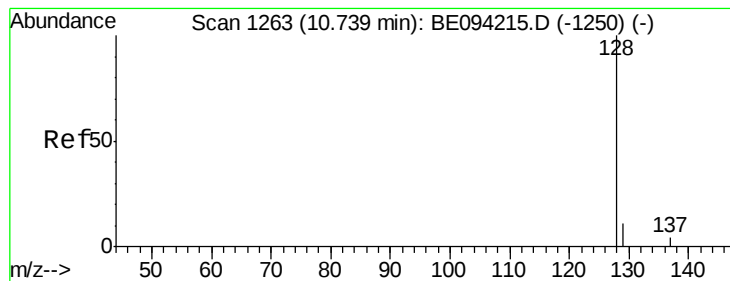
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094237.D
Acq On : 10 Oct 2017 1:10
Operator : SJ/JU
Sample : I5522-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Oct 10 08:51:27 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





#3

Naphthalene

Concen: 0.14 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094237.D

Acq: 10 Oct 2017 1:10

Instrument :

BNA_E

ClientSampleId :

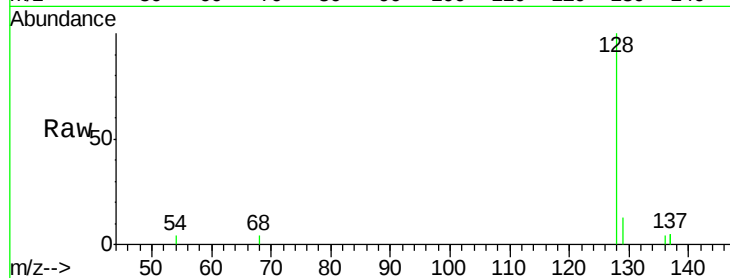
Tot Ion:128 Resp: 4642

Ion Ratio Lower Upper

128 100

129 13.0 11.3 16.9

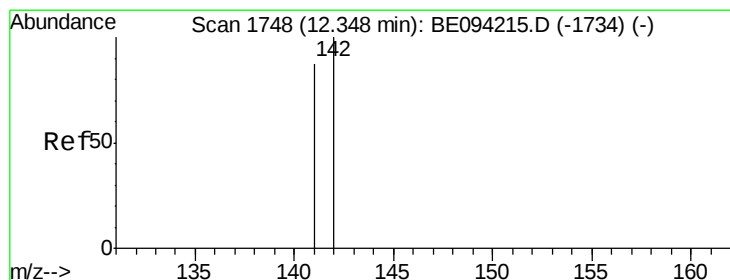
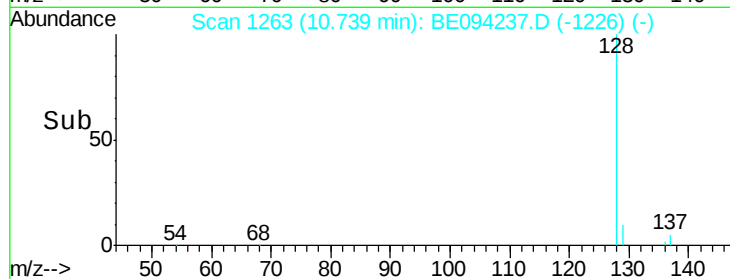
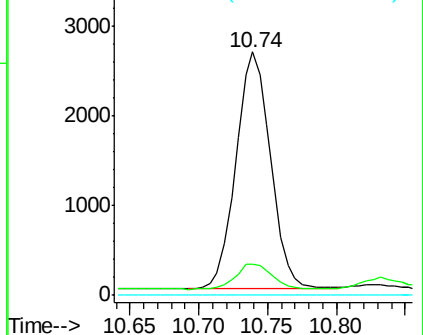
127 0.0 4.0 6.0#



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: 0.13 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094237.D

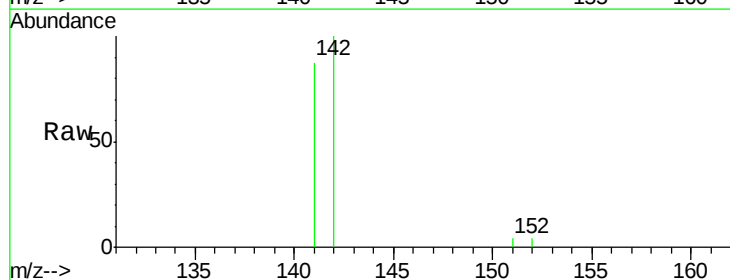
Acq: 10 Oct 2017 1:10

Tgt Ion:142 Resp: 2791

Ion Ratio Lower Upper

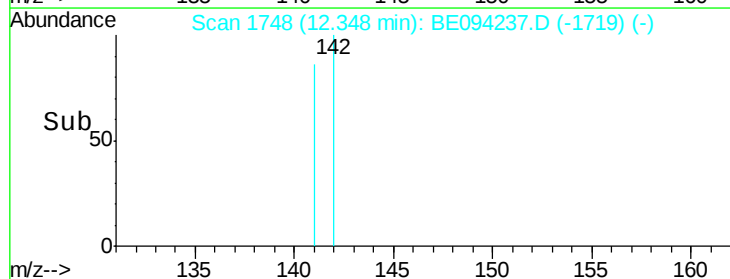
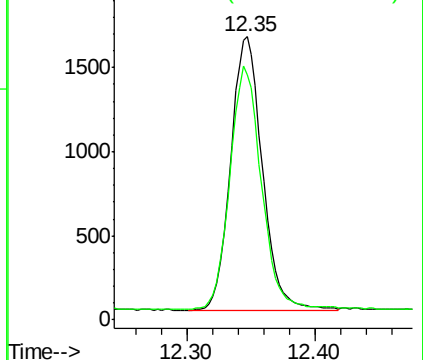
142 100

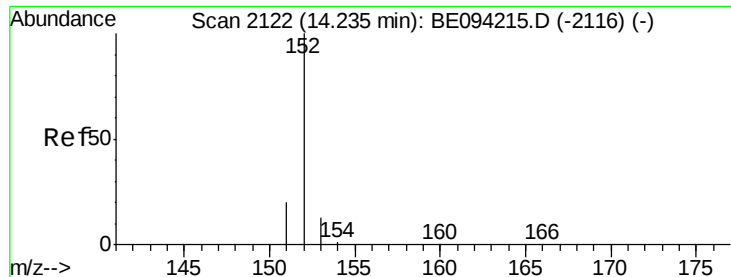
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.30 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094237.D

Acq: 10 Oct 2017 1:10

Instrument :

BNA_E

ClientSampleId :

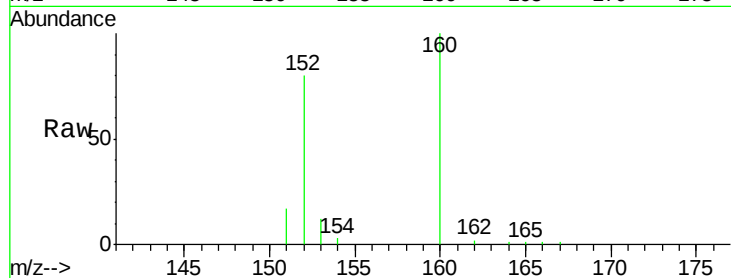
Tot Ion:152 Resp: 8970

Ion Ratio Lower Upper

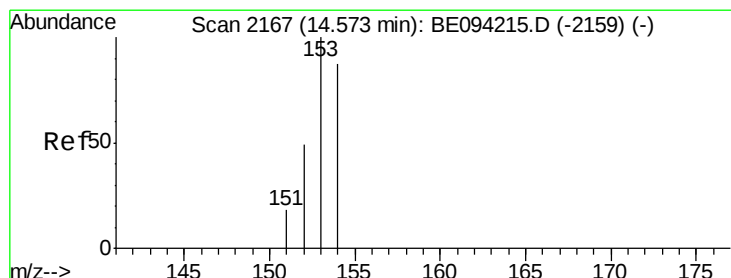
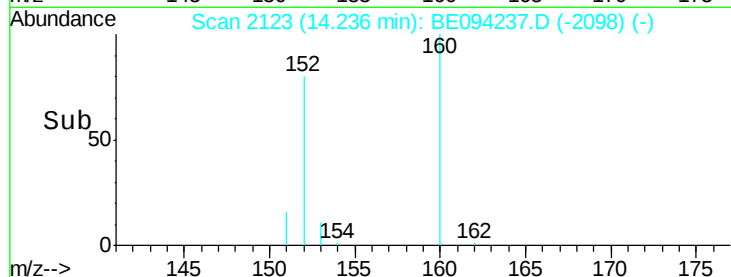
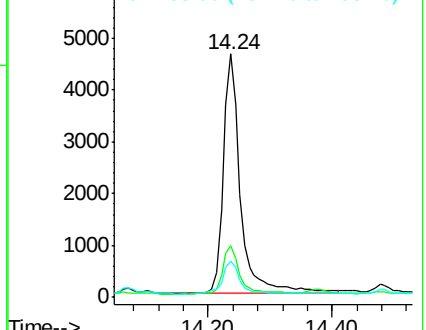
152 100

151 21.0 17.1 25.7

153 14.6 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: 0.23 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094237.D

Acq: 10 Oct 2017 1:10

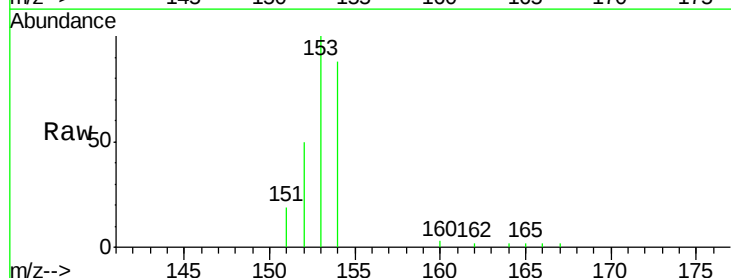
Tgt Ion:153 Resp: 5792

Ion Ratio Lower Upper

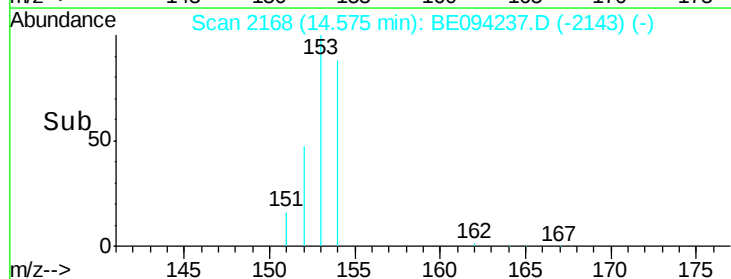
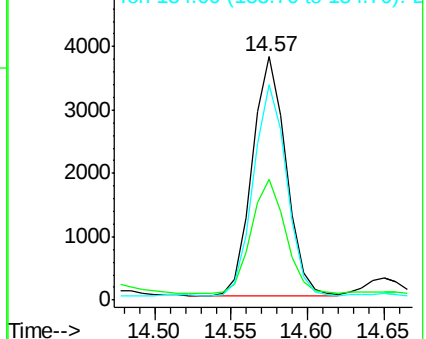
153 100

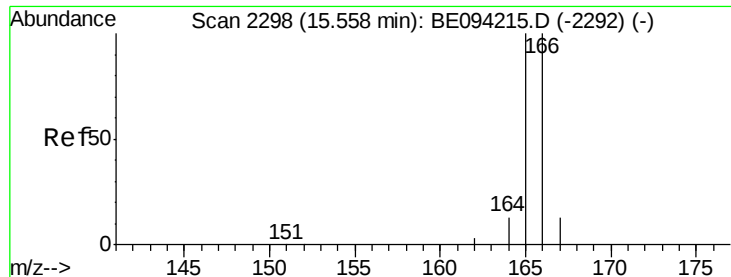
152 49.6 40.3 60.5

154 88.3 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

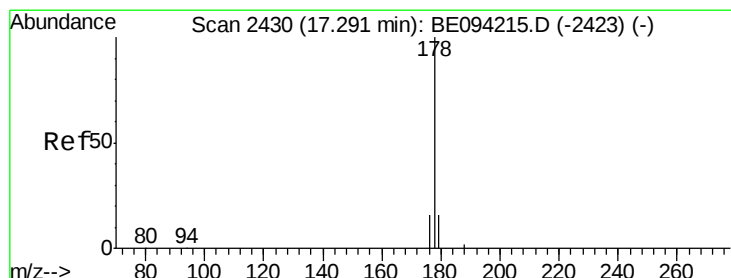
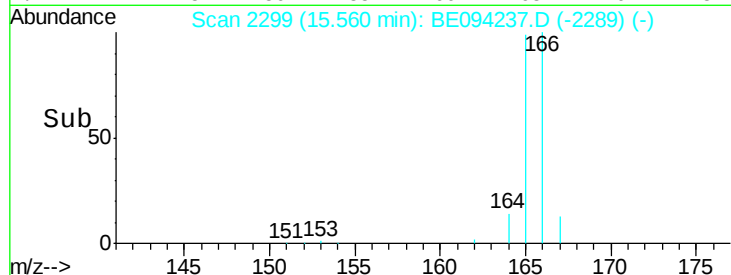
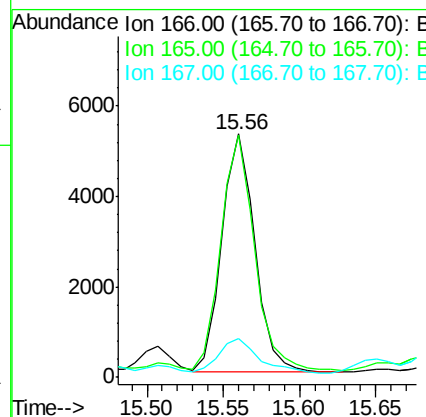
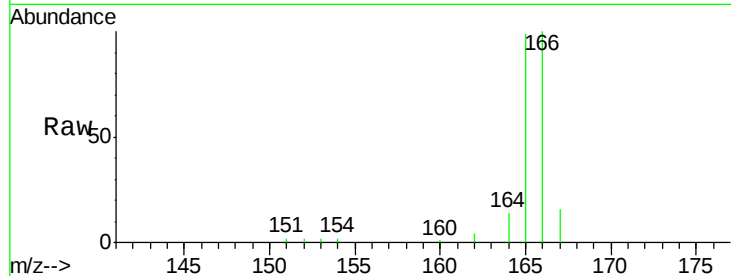




#9
Fluorene
 Concen: 0.27 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094237.D
 Acq: 10 Oct 2017 1:10

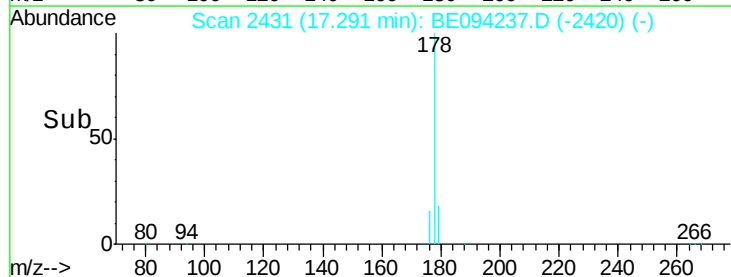
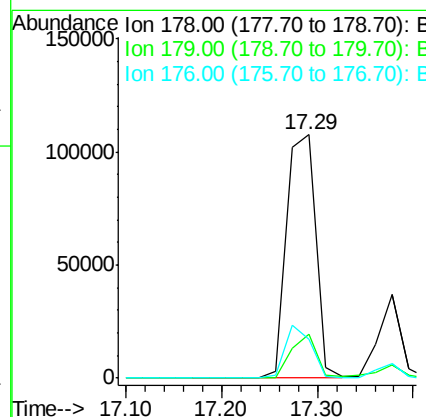
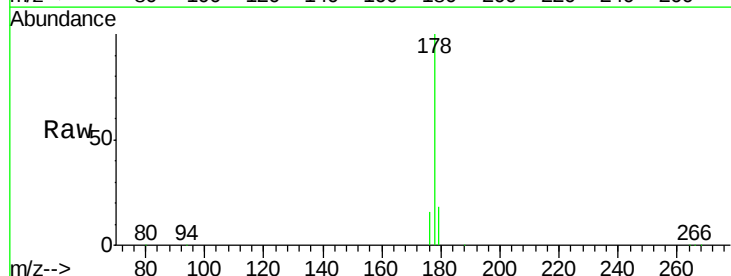
Instrument :
 BNA_E
 ClientSampleId :

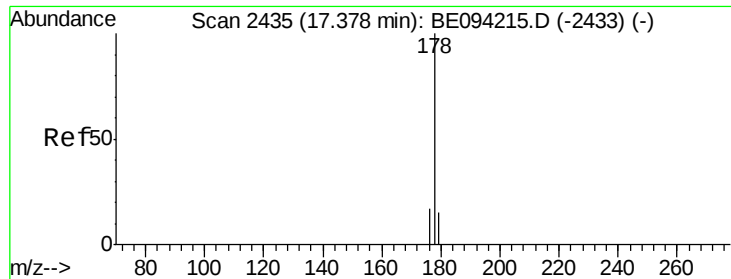
Tot Ion:166 Resp: 7911
 Ion Ratio Lower Upper
 166 100
 165 99.4 73.4 110.2
 167 16.2 14.6 22.0



#12
Phenanthrene
 Concen: 5.01 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094237.D
 Acq: 10 Oct 2017 1:10

Tgt Ion:178 Resp: 225916
 Ion Ratio Lower Upper
 178 100
 179 18.0 18.4 27.6#
 176 15.8 13.6 20.4





#13

Anthracene

Concen: 1.37 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094237.D

Acq: 10 Oct 2017 1:10

Instrument :

BNA_E

ClientSampleId :

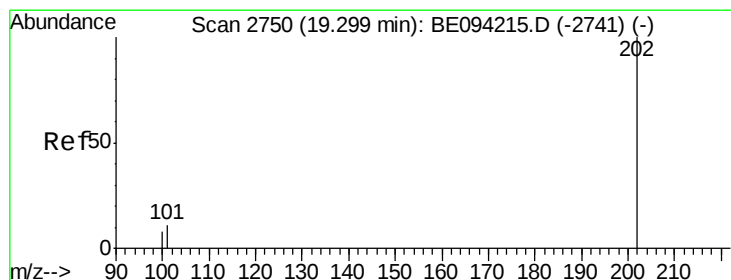
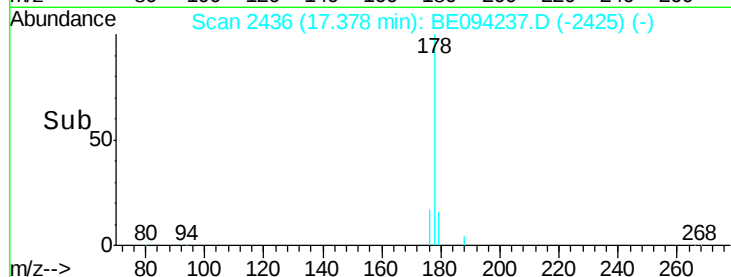
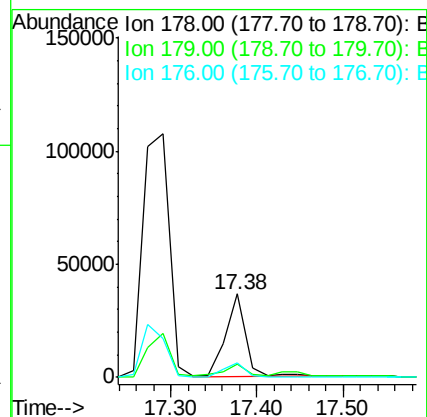
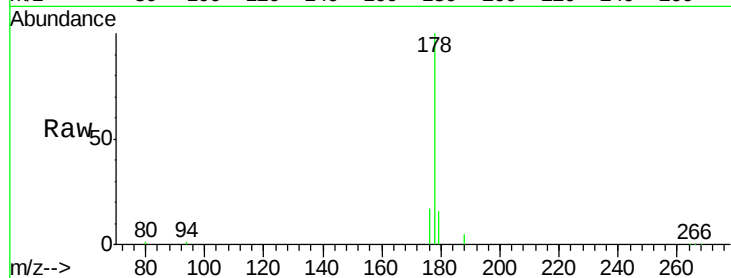
Tot Ion:178 Resp: 60130

Ion Ratio Lower Upper

178 100

179 16.3 18.1 27.1#

176 17.2 14.7 22.1



#15

Fluoranthene

Concen: 11.27 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.01 min

Lab File: BE094237.D

Acq: 10 Oct 2017 1:10

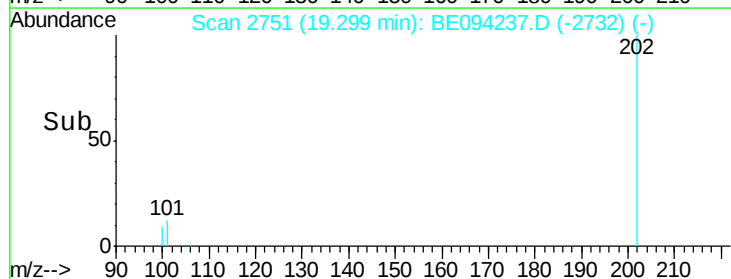
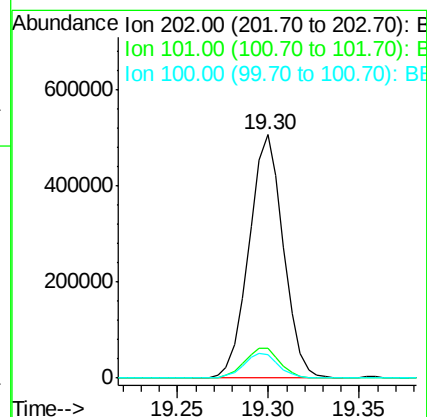
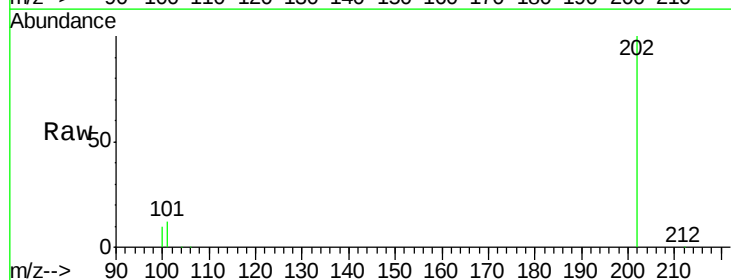
Tgt Ion:202 Resp: 667201

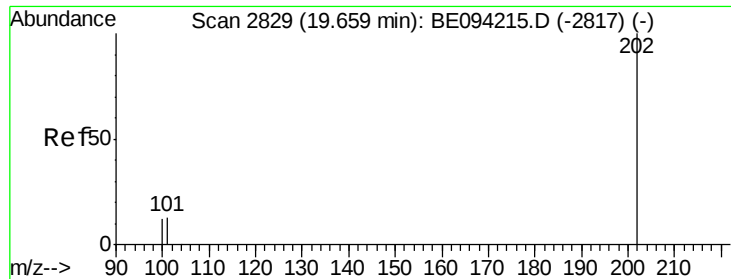
Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.3

100 9.5 0.0 39.5

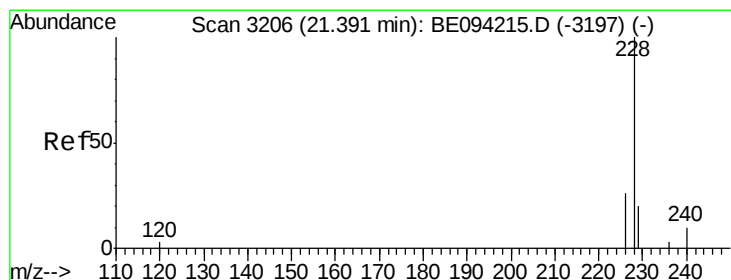
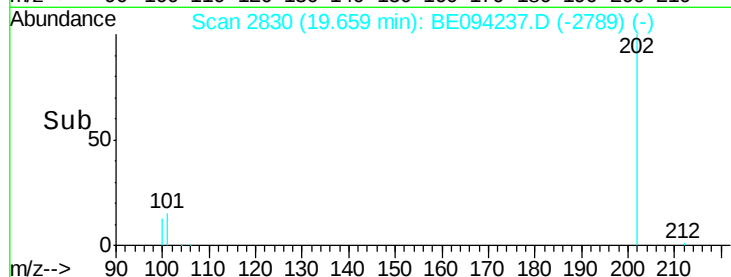
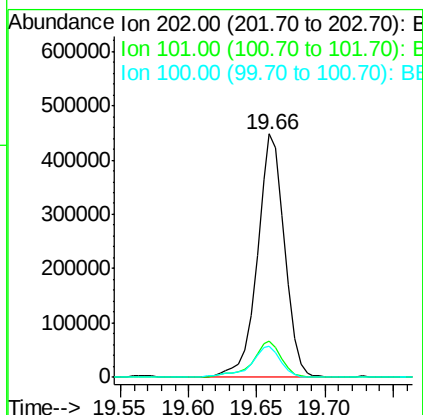
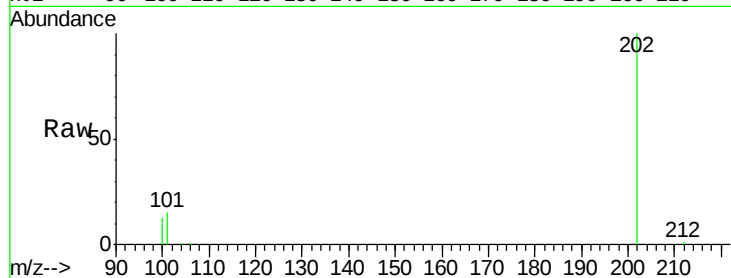




#17
Pvrene
Concen: 12.88 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. -0.01 min
Lab File: BE094237.D
Acq: 10 Oct 2017 1:10

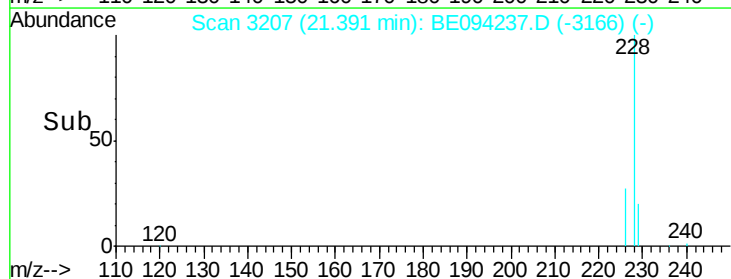
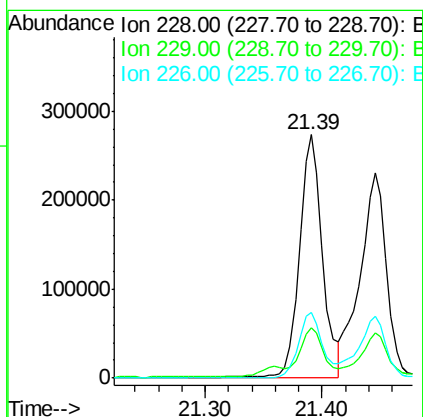
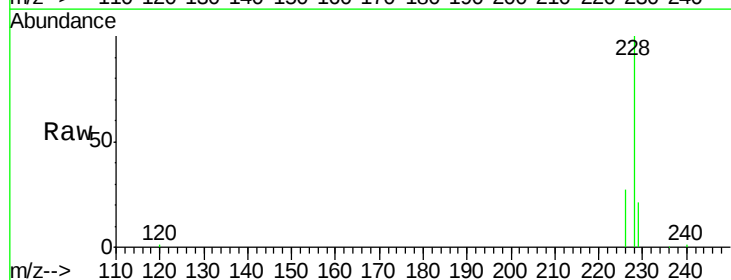
Instrument :
BNA_E
ClientSampleId :

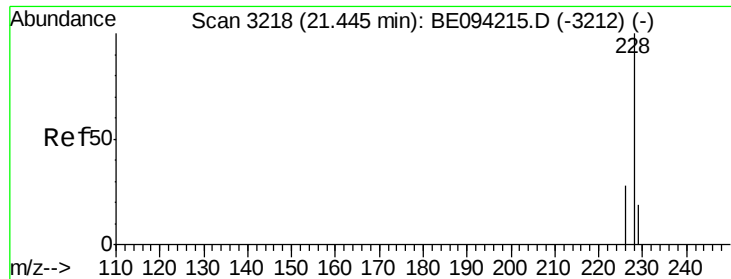
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.8	18.2	27.4#
100	12.8	15.6	23.4#



#18
Benzo(a)anthracene
Concen: 8.19 ng/ul
RT: 21.39 min Scan# 3207
Delta R.T. -0.01 min
Lab File: BE094237.D
Acq: 10 Oct 2017 1:10

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	22.8	34.2#
226	27.2	17.0	25.6#





#19

Chrysene

Concen: 6.89 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.01 min

Lab File: BE094237.D

Acq: 10 Oct 2017 1:10

Instrument :

BNA_E

ClientSampleId :

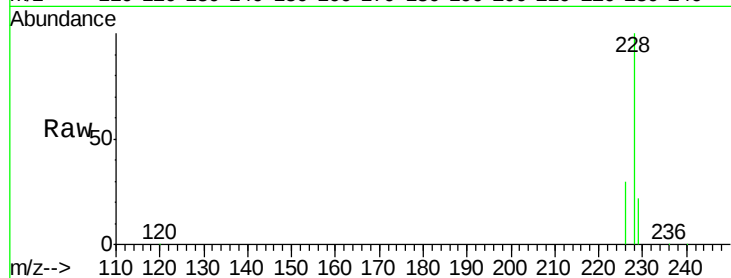
Tot Ion:228 Resp: 364345

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.0

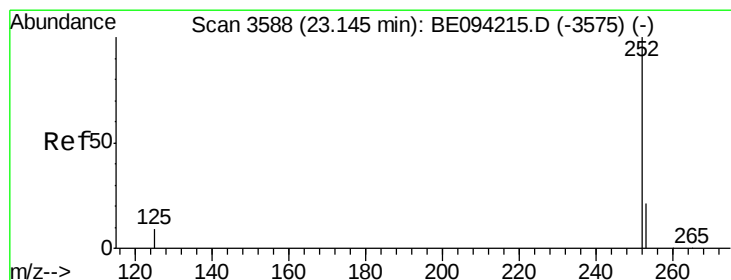
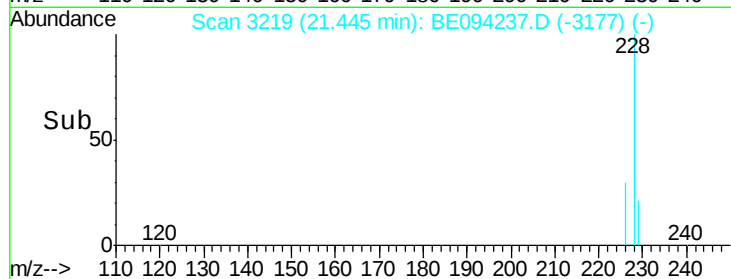
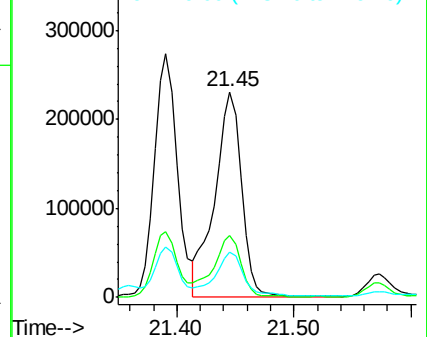
229 21.9 17.7 26.5



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: 15.09 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. -0.00 min

Lab File: BE094237.D

Acq: 10 Oct 2017 1:10

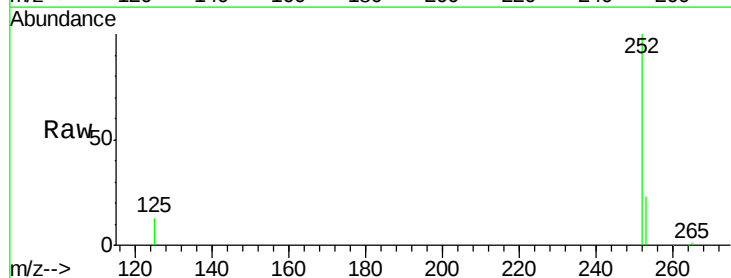
Tgt Ion:252 Resp: 653132

Ion Ratio Lower Upper

252 100

253 22.8 0.0 64.2

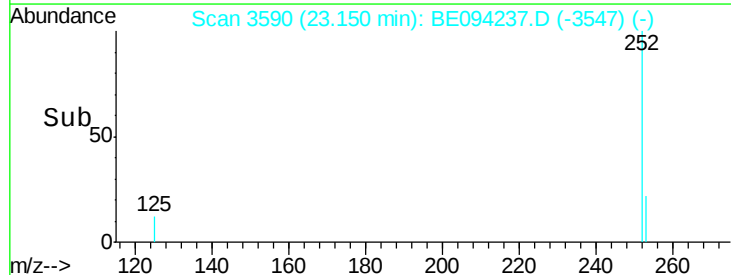
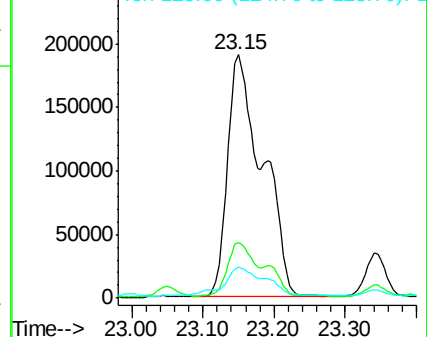
125 12.6 0.0 35.0

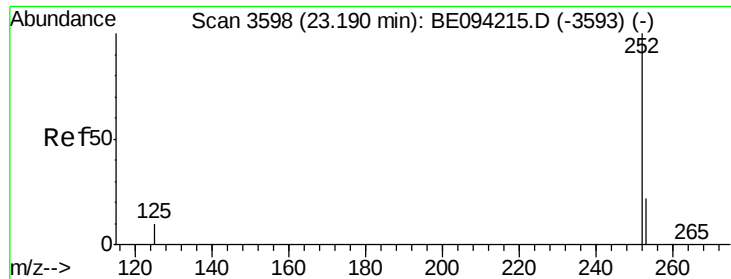


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

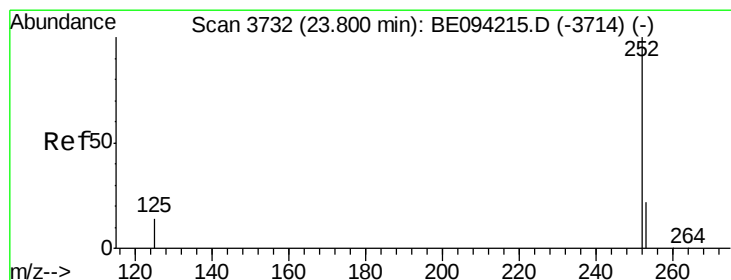
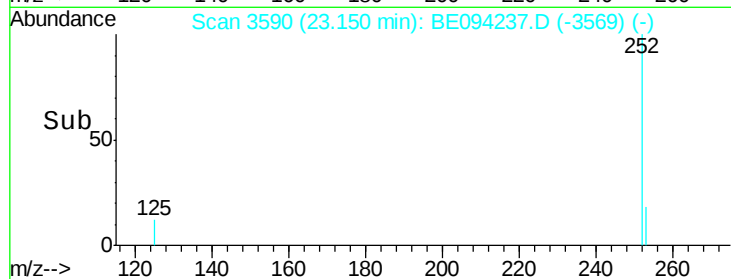
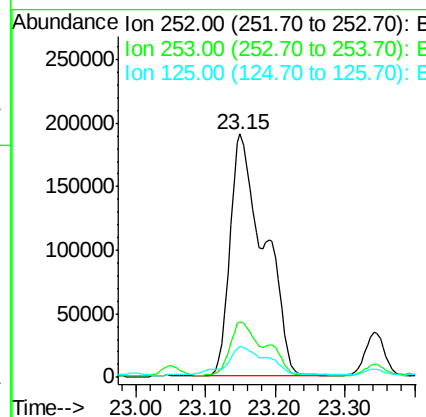
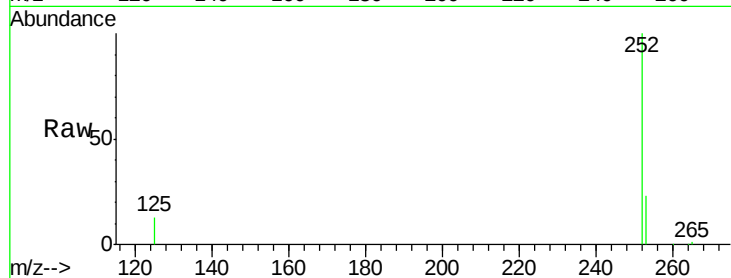




#22
Benzo(k)fluoranthene
Concen: 13.06 ng/ul
RT: 23.15 min Scan# 3590
Delta R.T. -0.05 min
Lab File: BE094237.D
Acq: 10 Oct 2017 1:10

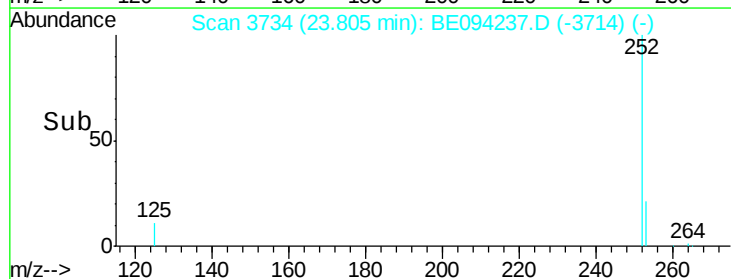
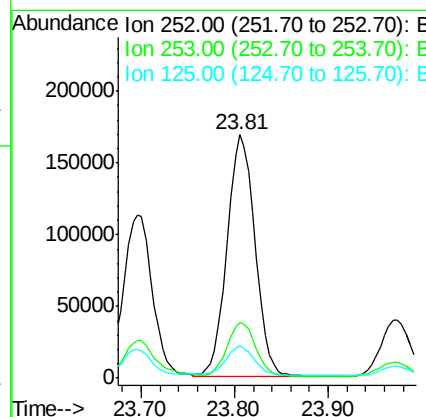
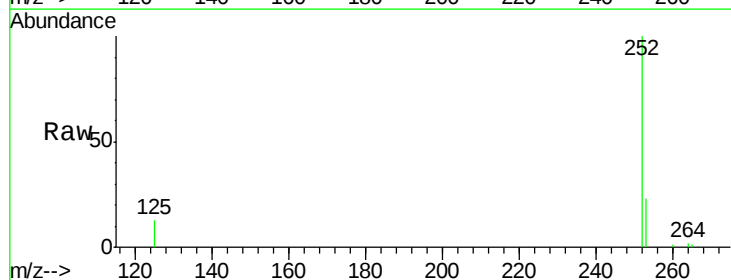
Instrument :
BNA_E
ClientSampleId :

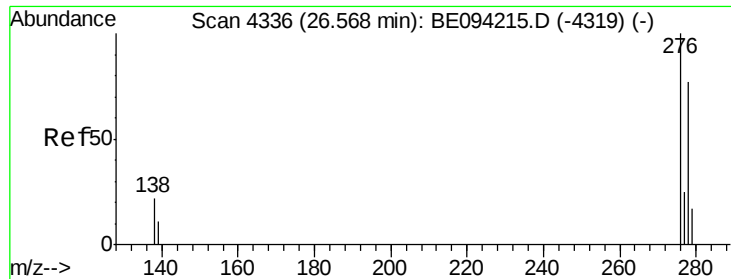
Tot Ion:252 Resp: 653338
Ion Ratio Lower Upper
252 100
253 22.8 24.5 36.7#
125 12.6 13.7 20.5#



#23
Benzo(a)pyrene
Concen: 7.76 ng/ul
RT: 23.81 min Scan# 3734
Delta R.T. -0.01 min
Lab File: BE094237.D
Acq: 10 Oct 2017 1:10

Tgt Ion:252 Resp: 349039
Ion Ratio Lower Upper
252 100
253 23.0 28.5 42.7#
125 13.2 18.1 27.1#

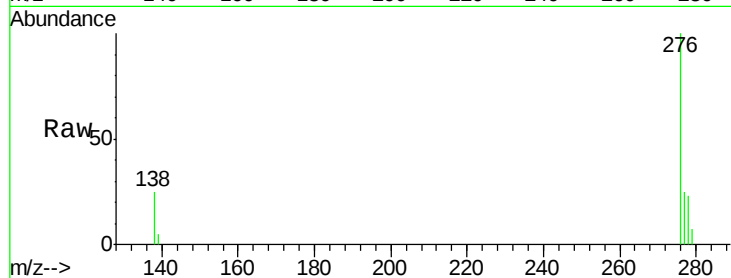




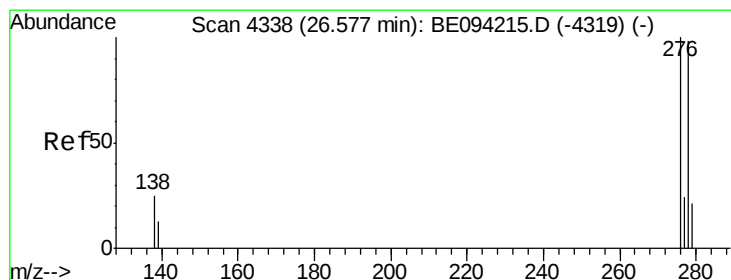
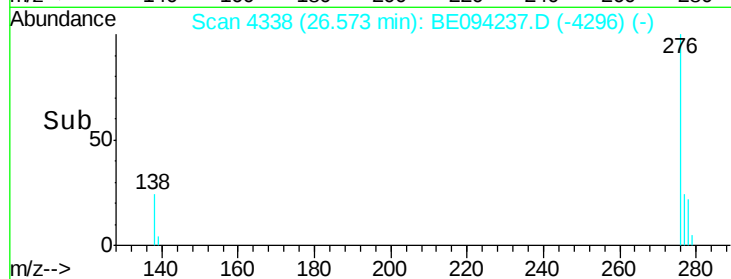
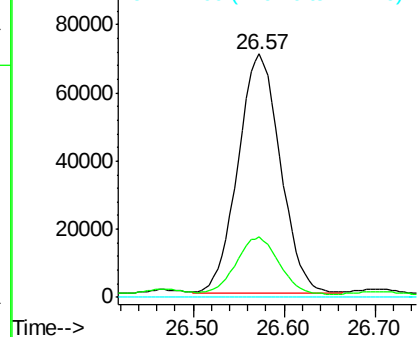
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 4.96 ng/ul
 RT: 26.57 min Scan# 4338
 Delta R.T. -0.01 min
 Lab File: BE094237.D
 Acq: 10 Oct 2017 1:10

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 228380
 Ion Ratio Lower Upper
 276 100
 138 23.8 28.0 42.0#
 227 0.0 8.0 12.0#

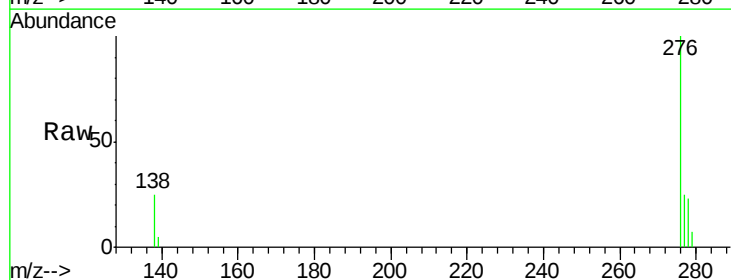


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

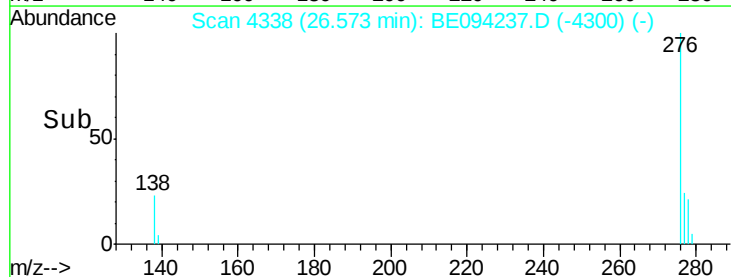
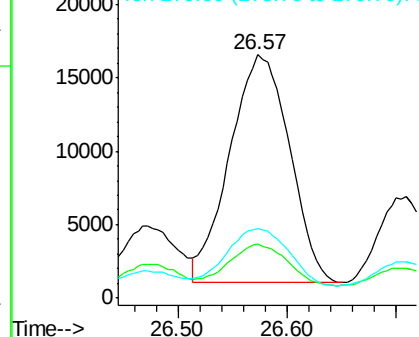


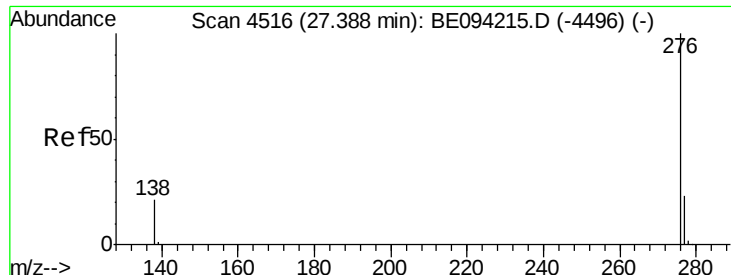
#25
 Dibenzo(a,h)anthracene
 Concen: 1.53 ng/ul
 RT: 26.57 min Scan# 4338
 Delta R.T. -0.03 min
 Lab File: BE094237.D
 Acq: 10 Oct 2017 1:10

Tgt Ion:278 Resp: 59194
 Ion Ratio Lower Upper
 278 100
 139 22.2 17.4 26.0
 279 28.7 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: 4.27 ng/ul

RT: 27.39 min Scan# 4518

Delta R.T. -0.01 min

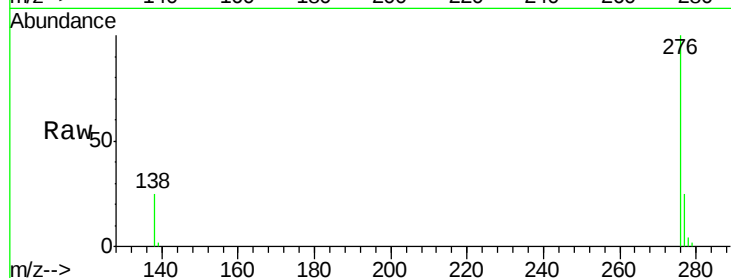
Lab File: BE094237.D

Acq: 10 Oct 2017 1:10

Instrument :

BNA_E

ClientSampleId :



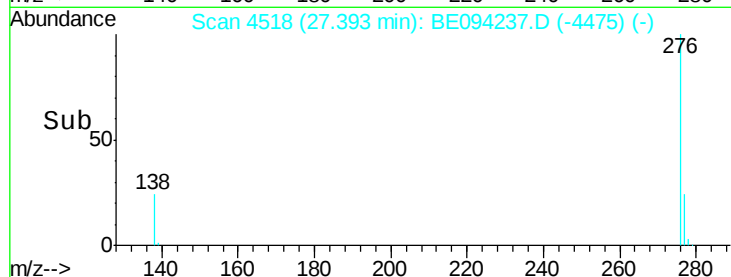
Tot Ion: 276 Resp: 169661

Ion Ratio Lower Upper

276 100

138 25.1 21.8 32.8

277 24.9 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

