

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094240.D
 Acq On : 10 Oct 2017 3:00
 Operator : SJ/JU
 Sample : I5522-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 10 08:52:20 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	2562	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	13228	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	8033	0.40	ng/ul	-0.02
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.27
16) Chrysene-d12	21.41	240	15739	0.40	ng/ul	0.00
20) Perylene-d12	23.76	264	952135	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	5825	0.28	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	13377	0.00	ng/ul	-0.02

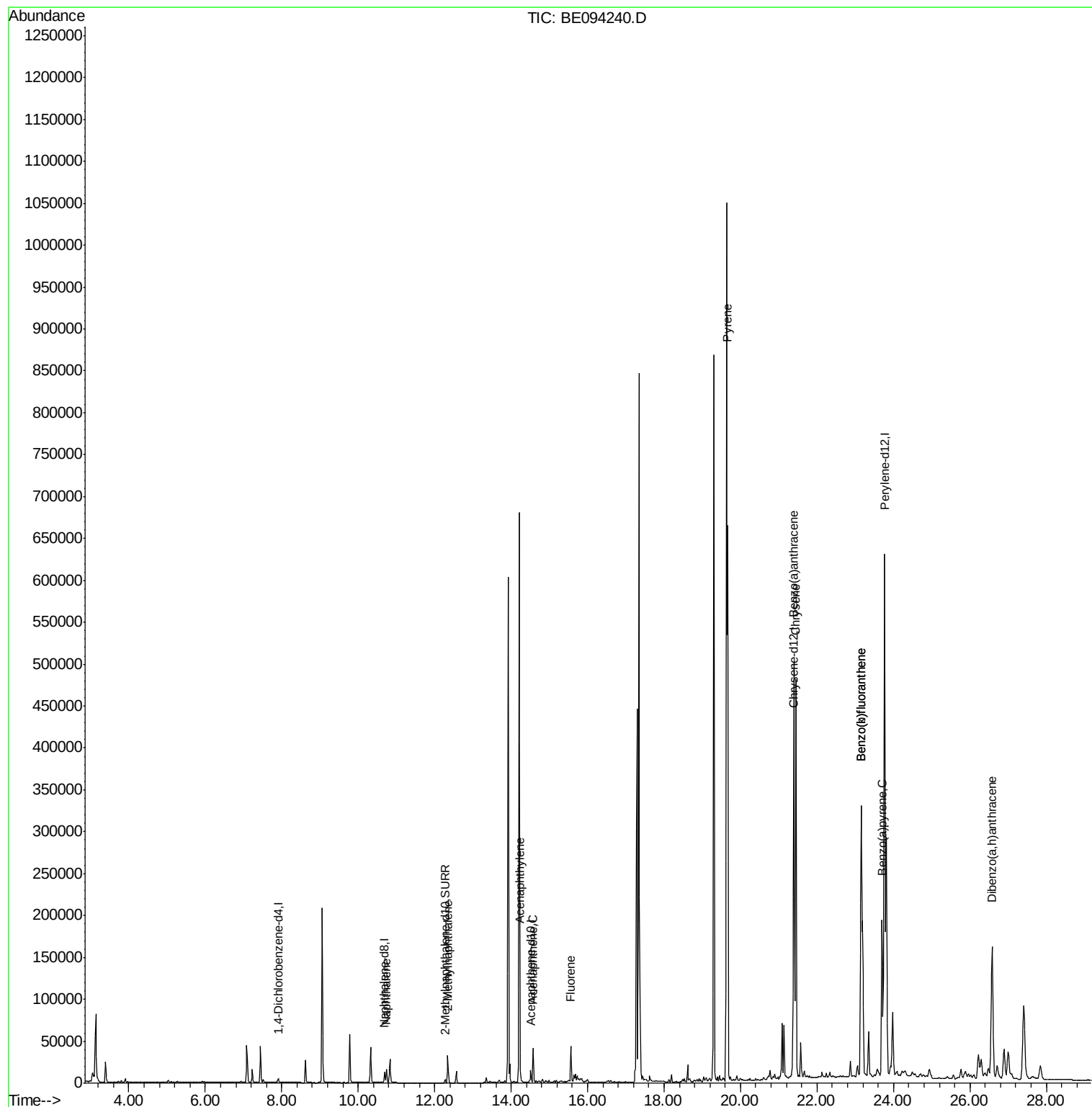
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	23746	0.73	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	28359	1.35	ng/ul	98
7) Acenaphthylene	14.24	152	14865	0.47	ng/ul	99
8) Acenaphthene	14.57	153	24174	0.94	ng/ul	97
9) Fluorene	15.56	166	27167	0.90	ng/ul	91
17) Pyrene	19.66	202	873592	19.95	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	475155	11.38	ng/ul#	87
19) Chrysene	21.45	228	473732	9.82	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	543131	0.21	ng/ul	86
22) Benzo(k)fluoranthene	23.15	252	543131	0.18	ng/ul#	87
23) Benzo(a)pyrene	23.70	252	296821	0.11	ng/ul#	83
25) Dibenzo(a,h)anthracene	26.58	278	52125	0.02	ng/ul	95

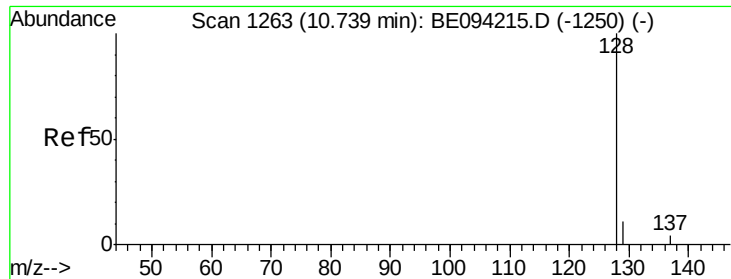
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.73 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Instrument :

BNA_E

ClientSampleId :

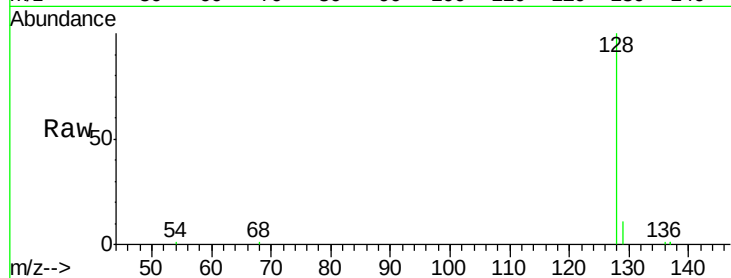
Tot Ion:128 Resp: 23746

Ion Ratio Lower Upper

128 100

129 11.5 11.3 16.9

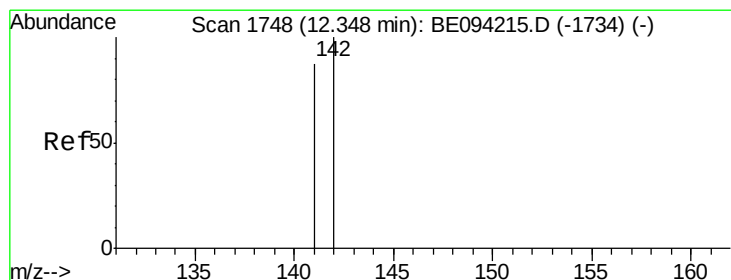
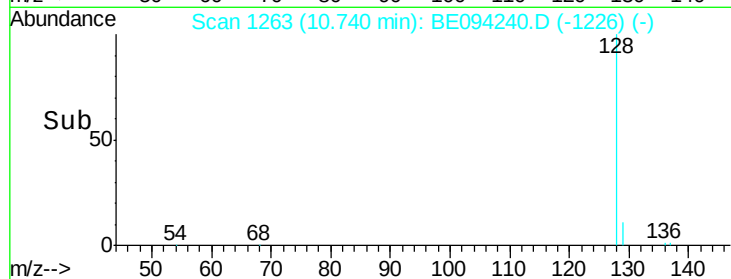
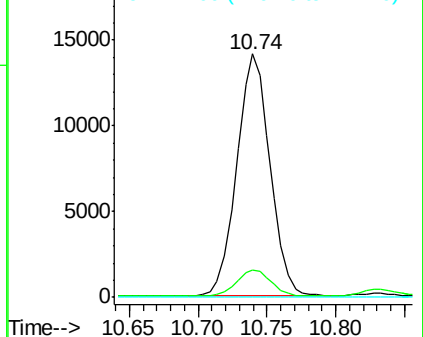
127 0.0 4.0 6.0#



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: 1.35 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094240.D

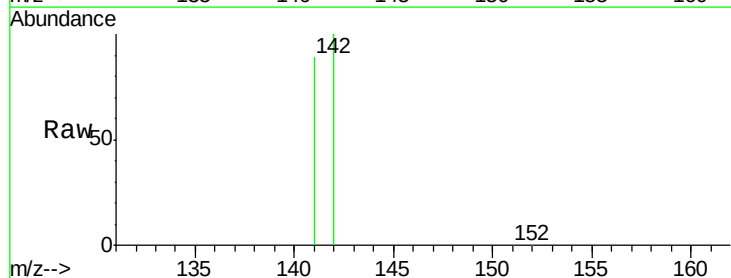
Acq: 10 Oct 2017 3:00

Tgt Ion:142 Resp: 28359

Ion Ratio Lower Upper

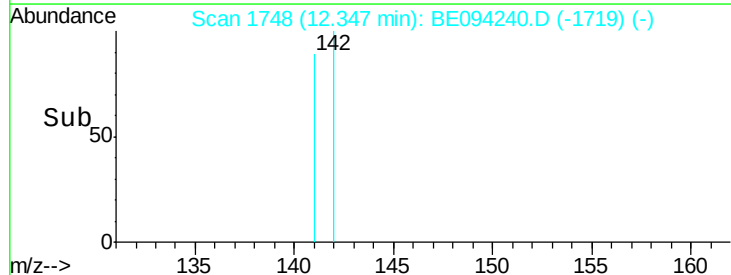
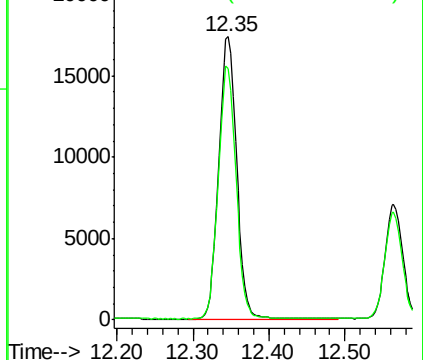
142 100

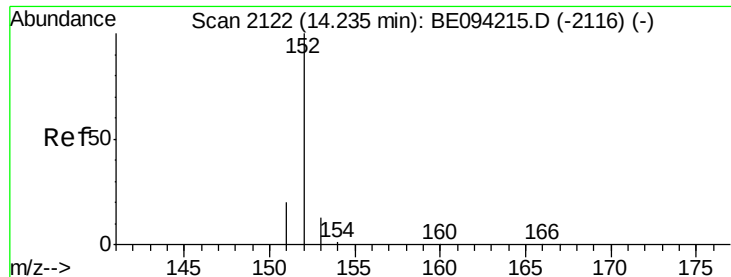
141 88.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.47 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Instrument :

BNA_E

ClientSampleId :

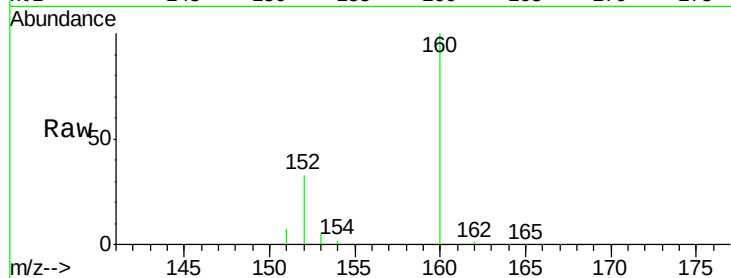
Tot Ion:152 Resp: 14865

Ion Ratio Lower Upper

152 100

151 20.6 17.1 25.7

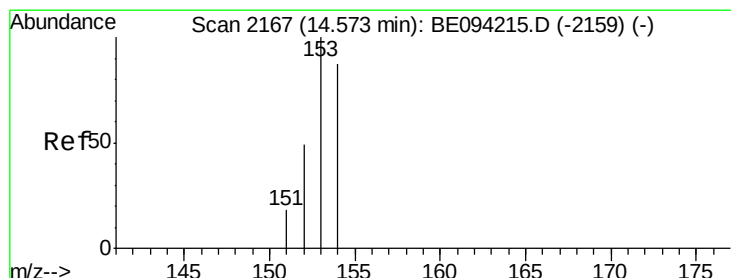
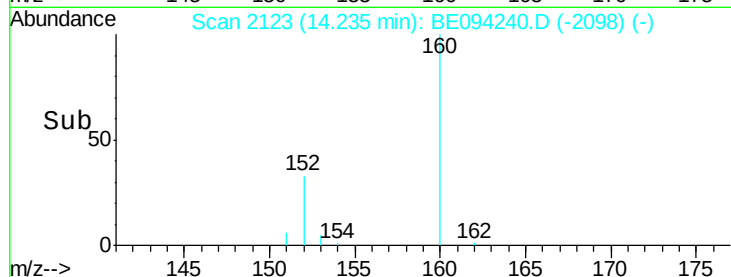
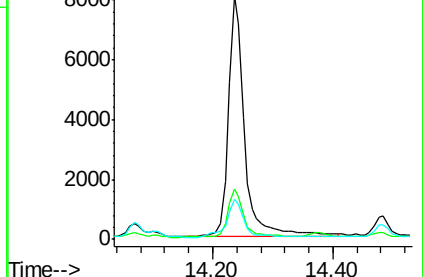
153 16.4 12.8 19.2



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: 0.94 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

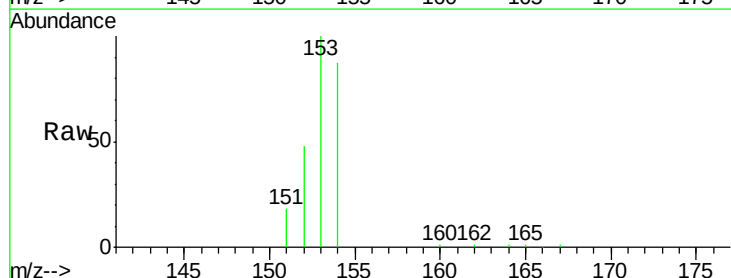
Tgt Ion:153 Resp: 24174

Ion Ratio Lower Upper

153 100

152 48.4 40.3 60.5

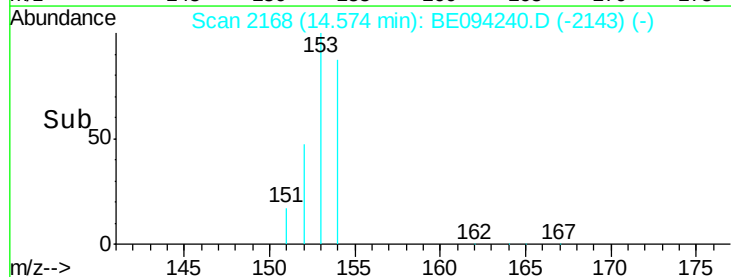
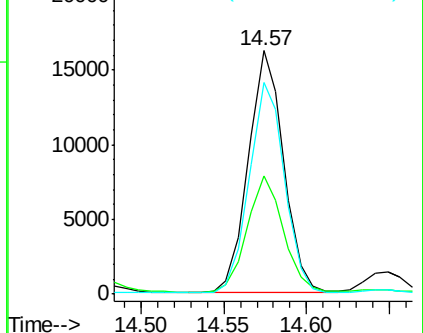
154 86.9 71.4 107.2

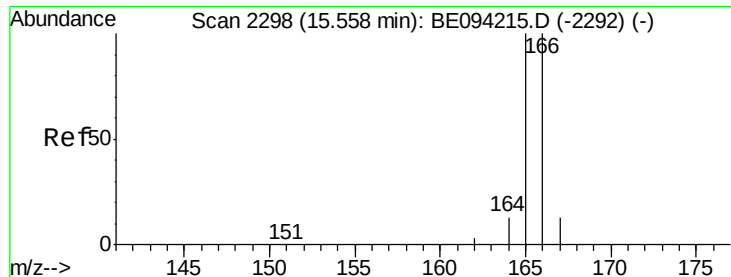


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

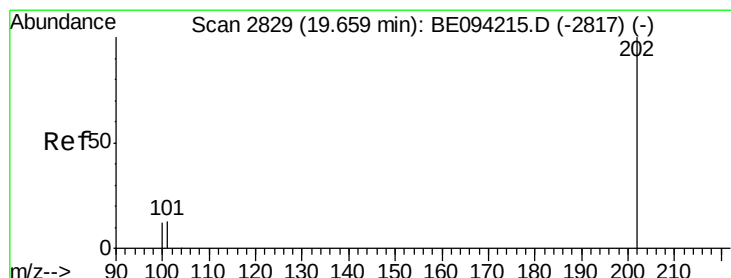
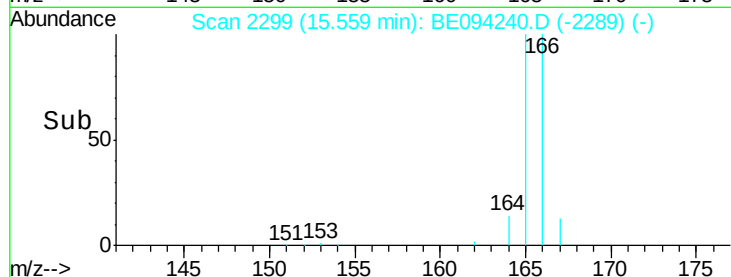
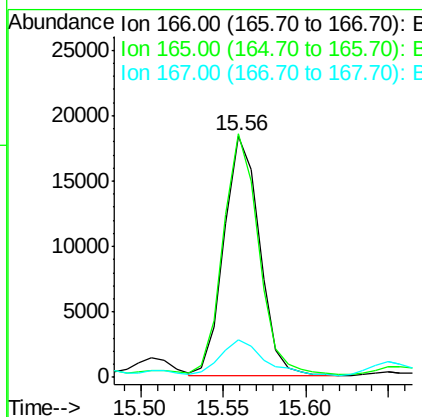
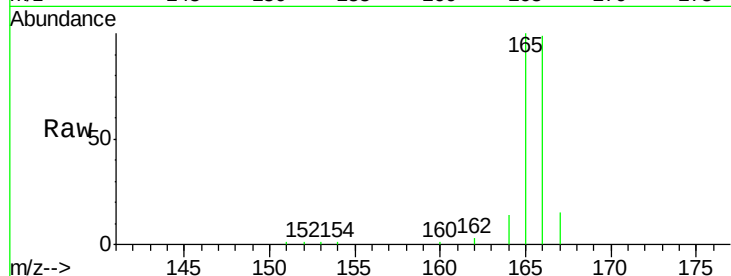




#9
Fluorene
 Concen: 0.90 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094240.D
 Acq: 10 Oct 2017 3:00

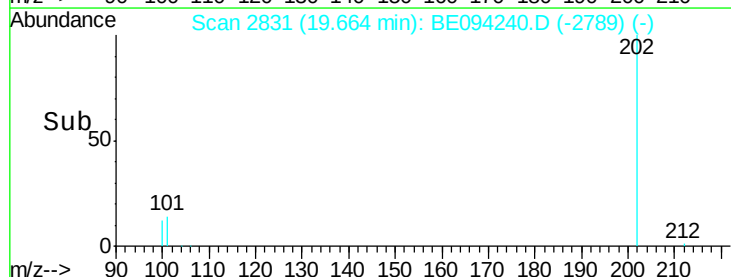
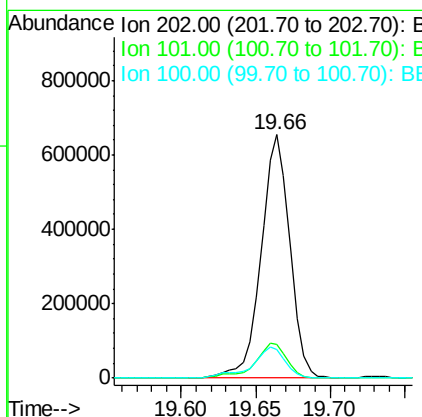
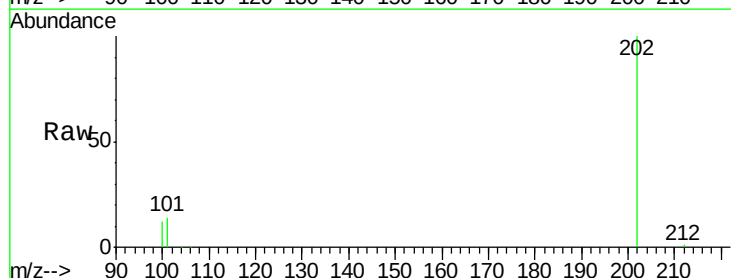
Instrument :
 BNA_E
 ClientSampleId :

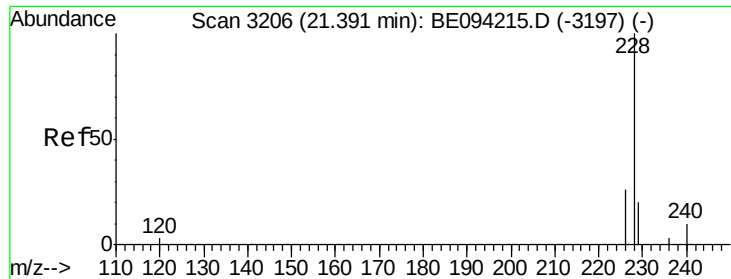
Tot Ion:166 Resp: 27167
 Ion Ratio Lower Upper
 166 100
 165 100.8 73.4 110.2
 167 15.5 14.6 22.0



#17
Pyrene
 Concen: 19.95 ng/ul
 RT: 19.66 min Scan# 2831
 Delta R.T. -0.01 min
 Lab File: BE094240.D
 Acq: 10 Oct 2017 3:00

Tgt Ion:202 Resp: 873592
 Ion Ratio Lower Upper
 202 100
 101 14.0 18.2 27.4#
 100 11.8 15.6 23.4#

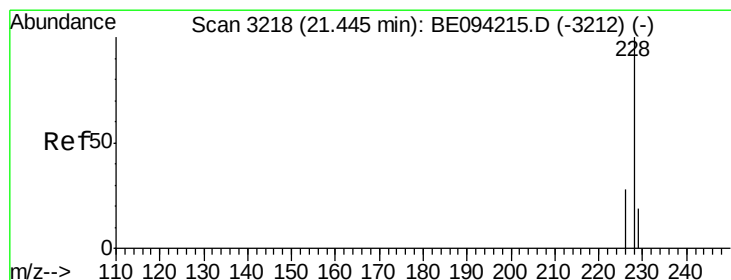
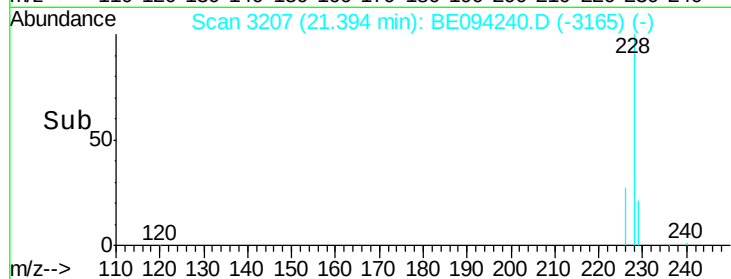
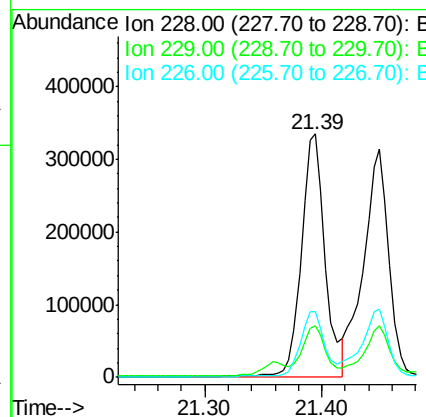
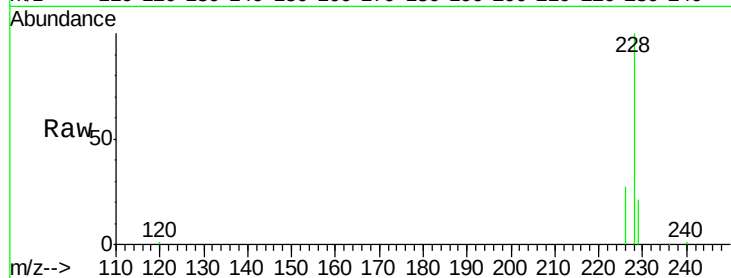




#18
Benzo(a)anthracene
Concen: 11.38 ng/ul
RT: 21.39 min Scan# 3207
Delta R.T. -0.01 min
Lab File: BE094240.D
Acq: 10 Oct 2017 3:00

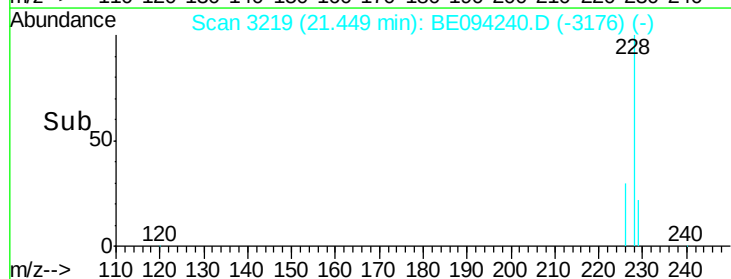
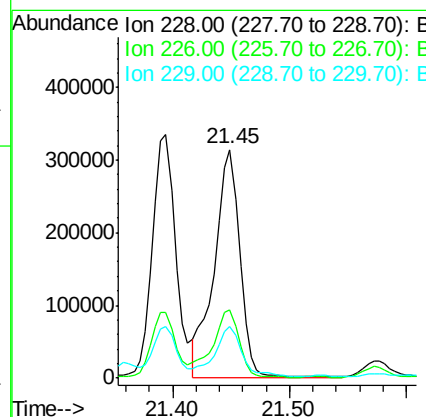
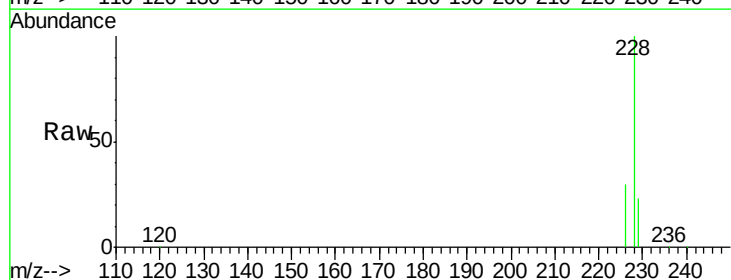
Instrument :
BNA_E
ClientSampleId :

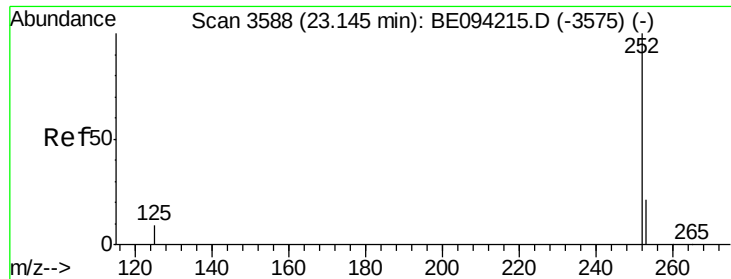
Tot Ion:228 Resp: 475155
Ion Ratio Lower Upper
228 100
229 21.3 22.8 34.2#
226 27.0 17.0 25.6#



#19
Chrysene
Concen: 9.82 ng/ul
RT: 21.45 min Scan# 3219
Delta R.T. -0.00 min
Lab File: BE094240.D
Acq: 10 Oct 2017 3:00

Tgt Ion:228 Resp: 473732
Ion Ratio Lower Upper
228 100
226 29.8 23.4 35.0
229 22.5 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.21 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. 0.00 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Instrument :

BNA_E

ClientSampleId :

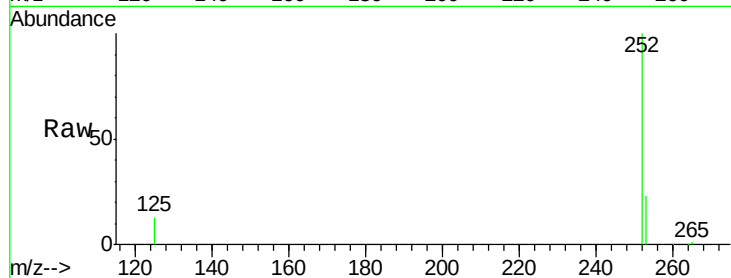
Tot Ion:252 Resp: 543131

Ion Ratio Lower Upper

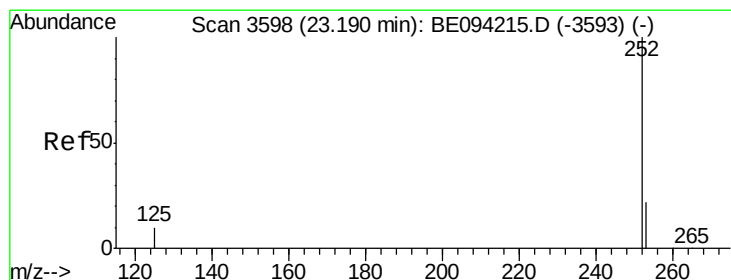
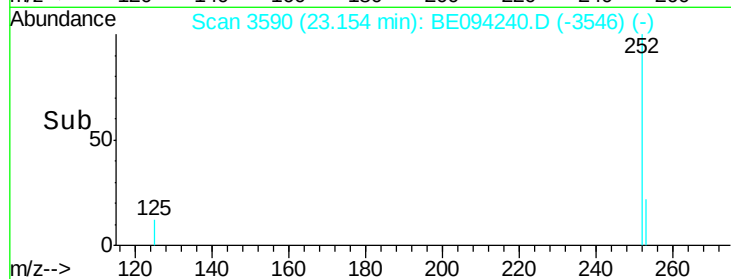
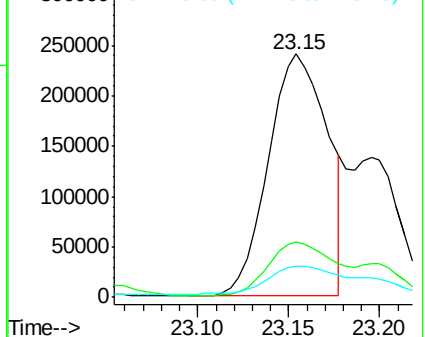
252 100

253 22.7 0.0 64.2

125 13.0 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: 0.18 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. -0.05 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

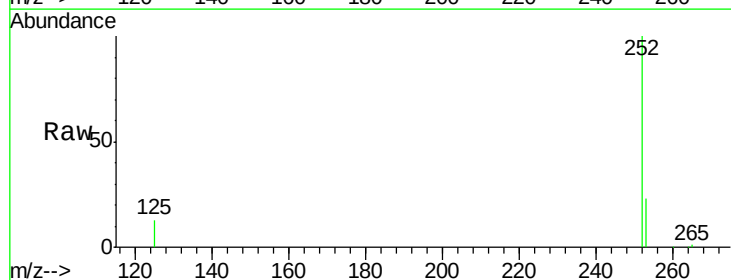
Tgt Ion:252 Resp: 543131

Ion Ratio Lower Upper

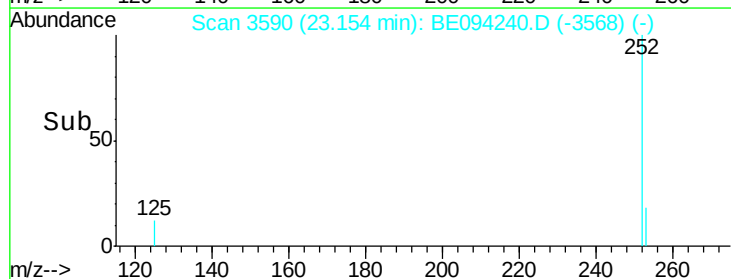
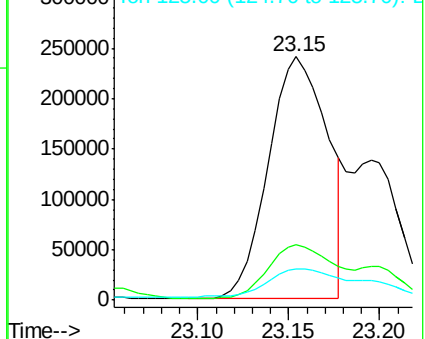
252 100

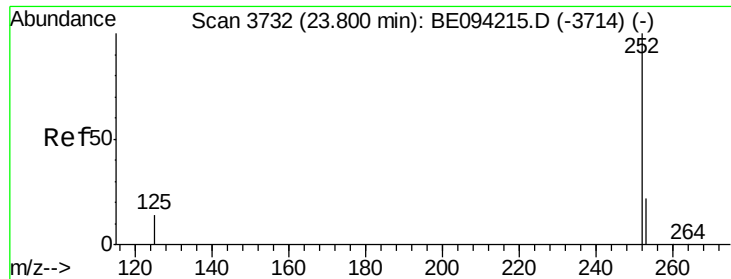
253 22.7 24.5 36.7#

125 13.0 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

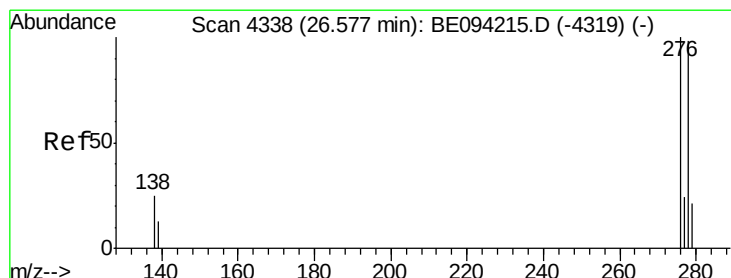
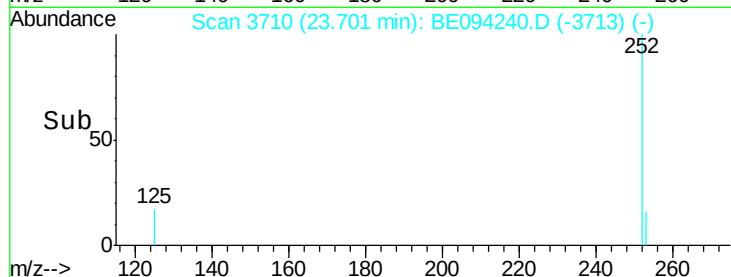
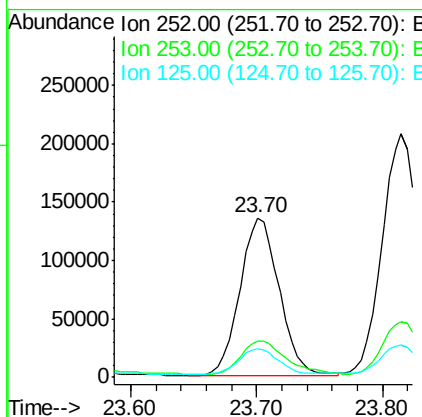
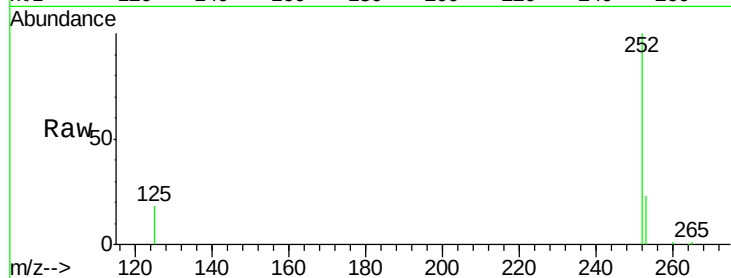




#23
Benzo(a)pyrene
Concen: 0.11 ng/ul
RT: 23.70 min Scan# 3710
Delta R.T. -0.11 min
Lab File: BE094240.D
Acq: 10 Oct 2017 3:00

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 296821
Ion Ratio Lower Upper
252 100
253 22.8 28.5 42.7#
125 18.1 18.1 27.1



#25
Dibenzo(a,h)anthracene
Concen: 0.02 ng/ul
RT: 26.58 min Scan# 4339
Delta R.T. -0.02 min
Lab File: BE094240.D
Acq: 10 Oct 2017 3:00

Tgt Ion:278 Resp: 52125
Ion Ratio Lower Upper
278 100
139 22.1 17.4 26.0
279 28.2 25.9 38.9

