

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
 Data File : BE094628.D
 Acq On : 28 Oct 2017 18:20
 Operator : SJ/JU
 Sample : I5842-20
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB9

Quant Time: Oct 30 02:59:20 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 30 02:53:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2276	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	13228	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	7548	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	16051	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	15361	0.40	ng/ul	0.00
20) Perylene-d12	23.80	264	778190	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	4982	0.23	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	11671	0.25	ng/ul	0.00

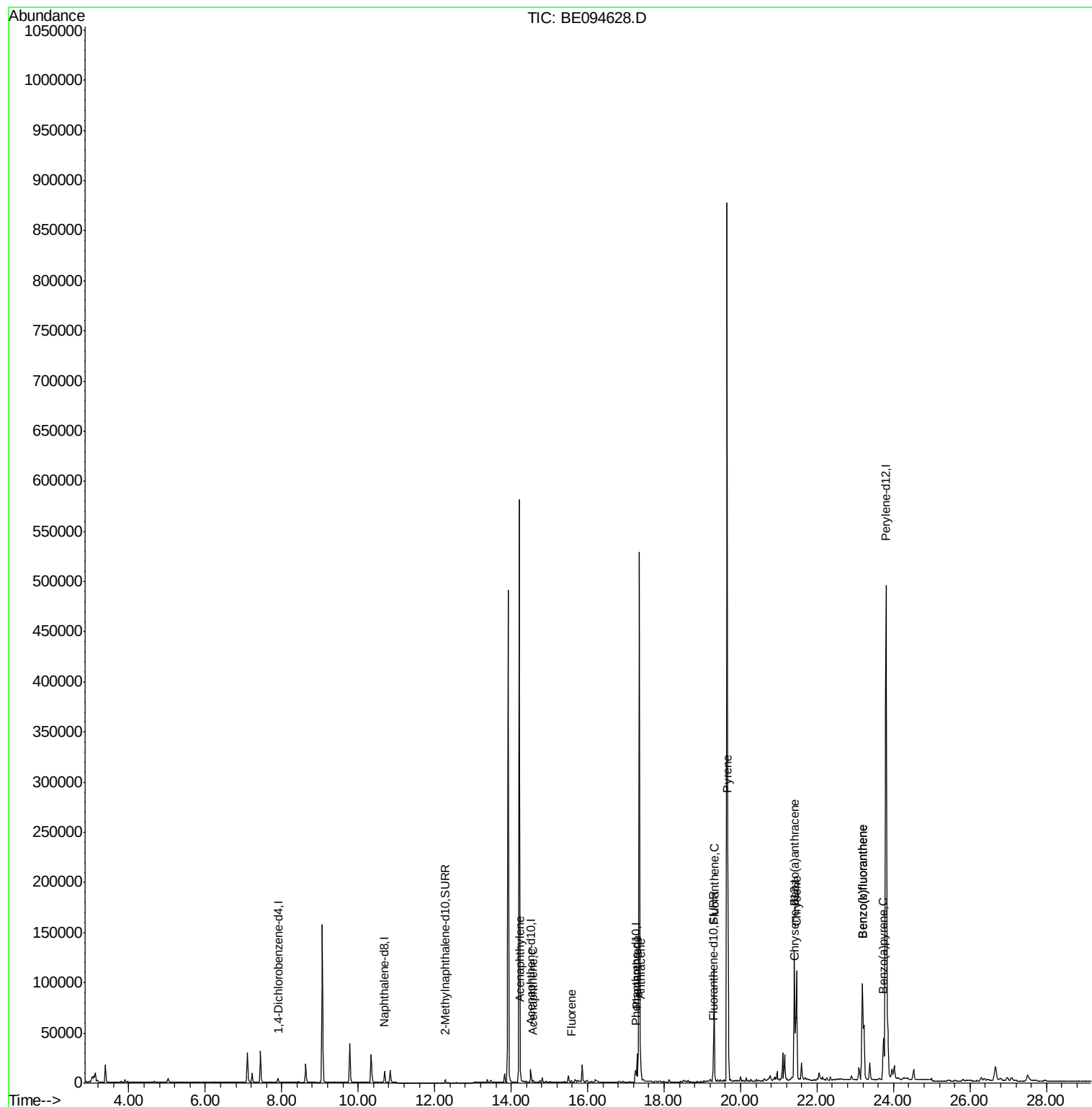
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Acenaphthylene	14.24	152	5330	0.16	ng/ul	99
8) Acenaphthene	14.57	153	859	0.04	ng/ul#	89
9) Fluorene	15.57	166	1088	0.04	ng/ul#	88
12) Phenanthrene	17.29	178	30256	0.71	ng/ul#	90
13) Anthracene	17.38	178	19420	0.46	ng/ul#	89
15) Fluoranthene	19.31	202	129212	2.64	ng/ul	84
17) Pyrene	19.67	202	231507	4.88	ng/ul#	81
18) Benzo(a)anthracene	21.41	228	114691	2.61	ng/ul#	87
19) Chrysene	21.46	228	136678	3.01	ng/ul	97
21) Benzo(b)fluoranthene	23.19	252	165718	0.08	ng/ul	87
22) Benzo(k)fluoranthene	23.19	252	165718	0.07	ng/ul#	89
23) Benzo(a)pyrene	23.74	252	69674	0.03	ng/ul#	85

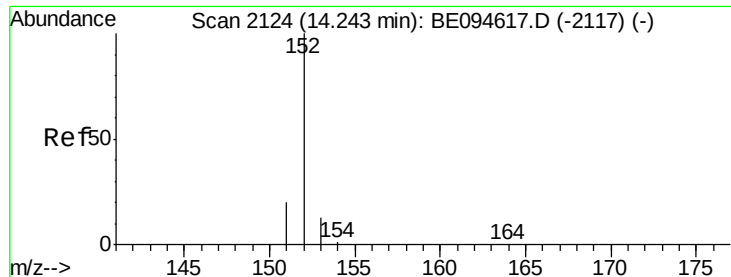
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094628.D
Acq On : 28 Oct 2017 18:20
Operator : SJ/JU
Sample : I5842-20
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB9

Quant Time: Oct 30 02:59:20 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:53:50 2017
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.16 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE094628.D

Acq: 28 Oct 2017 18:20

Instrument :

BNA_E

ClientSampleId :

C0AB9

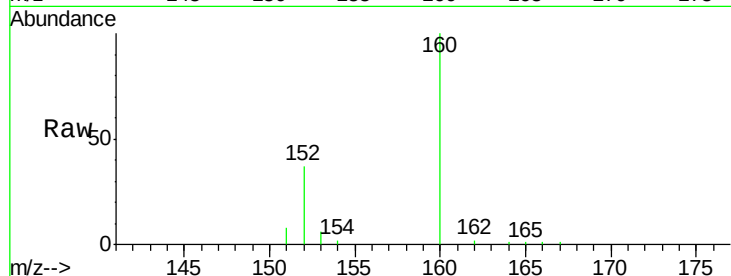
Tot Ion:152 Resp: 5330

Ion Ratio Lower Upper

152 100

151 21.3 17.1 25.7

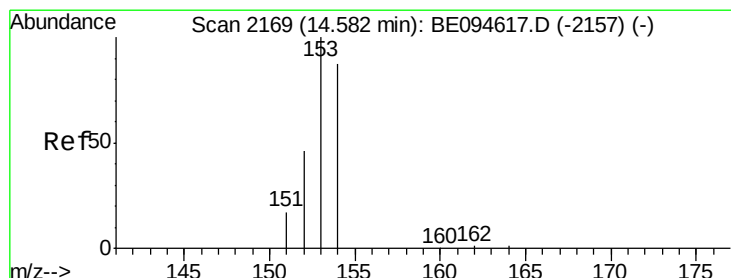
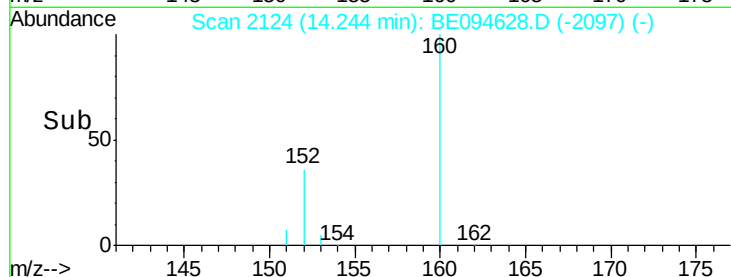
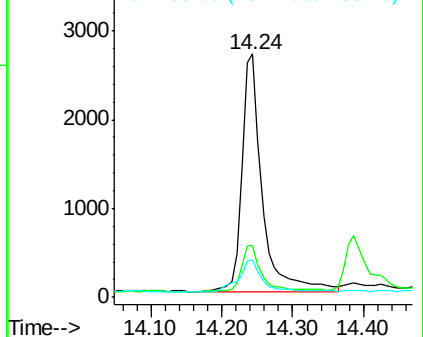
153 15.4 12.8 19.2



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: 0.04 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094628.D

Acq: 28 Oct 2017 18:20

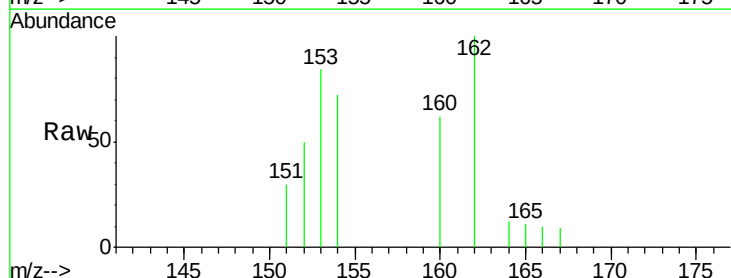
Tgt Ion:153 Resp: 859

Ion Ratio Lower Upper

153 100

152 60.2 36.0 54.0#

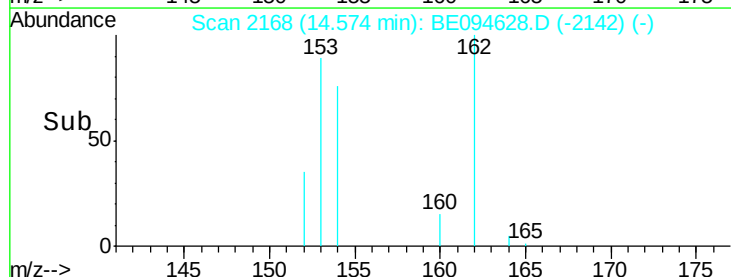
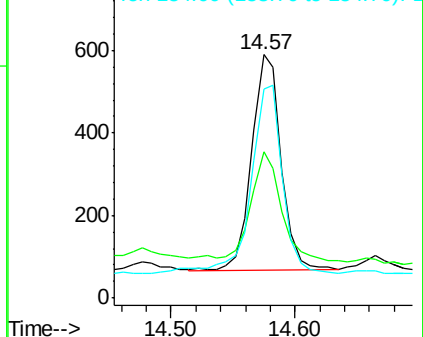
154 85.6 72.0 108.0

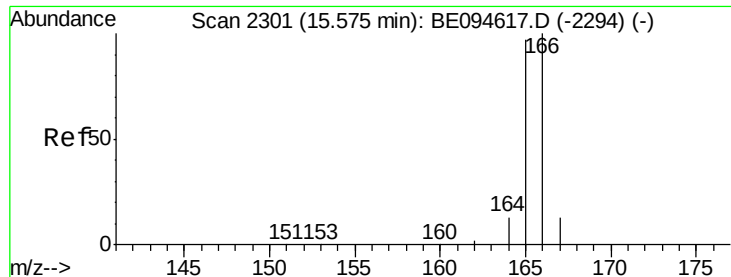


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

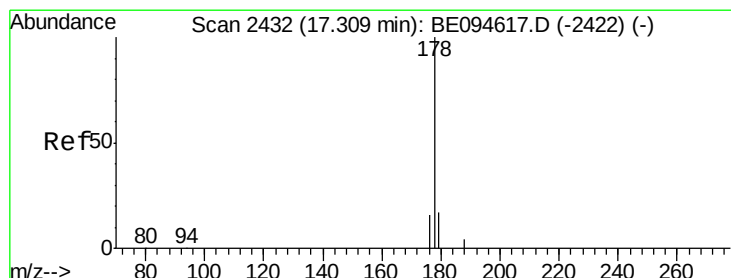
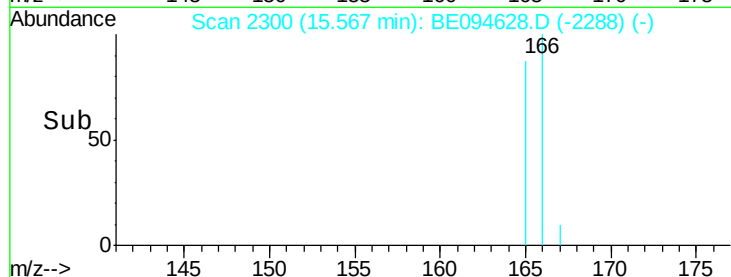
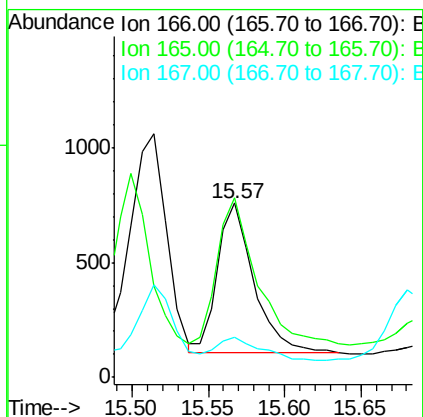
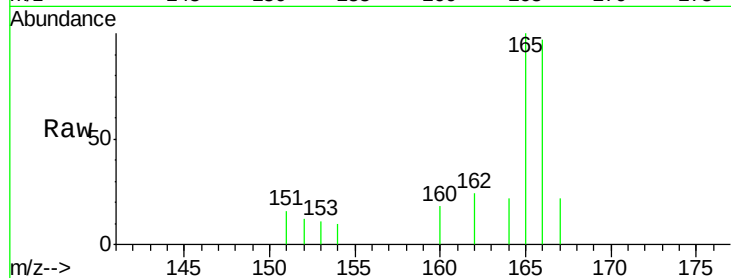




#9
Fluorene
 Concen: 0.04 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094628.D
 Acq: 28 Oct 2017 18:20

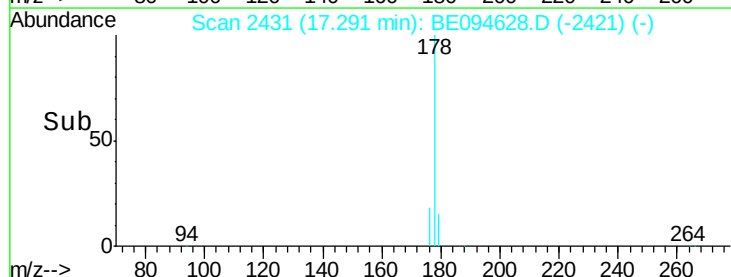
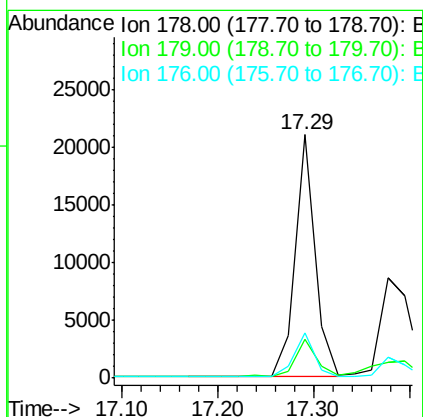
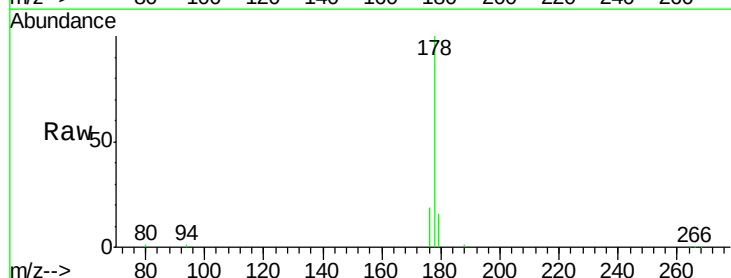
Instrument :
 BNA_E
 ClientSampleId :
 C0AB9

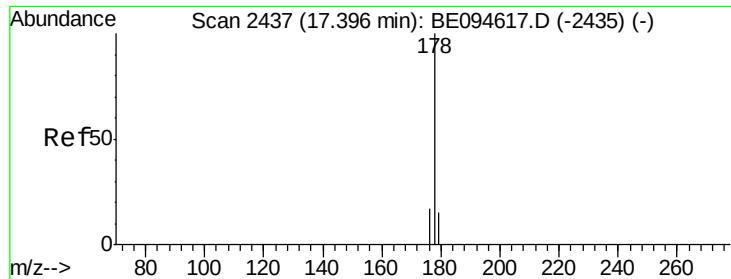
Tot Ion:166 Resp: 1088
 Ion Ratio Lower Upper
 166 100
 165 103.3 73.4 110.2
 167 22.8 14.6 22.0#



#12
Phenanthrene
 Concen: 0.71 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094628.D
 Acq: 28 Oct 2017 18:20

Tgt Ion:178 Resp: 30256
 Ion Ratio Lower Upper
 178 100
 179 15.7 18.4 27.6#
 176 18.7 13.6 20.4





#13

Anthracene

Concen: 0.46 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094628.D

Acq: 28 Oct 2017 18:20

Instrument :

BNA_E

ClientSampleId :

C0AB9

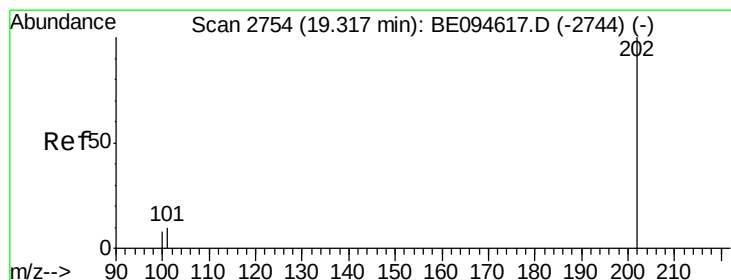
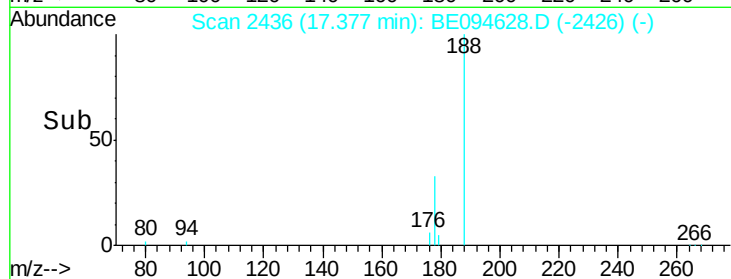
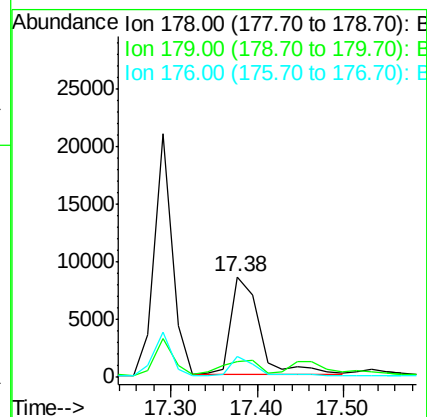
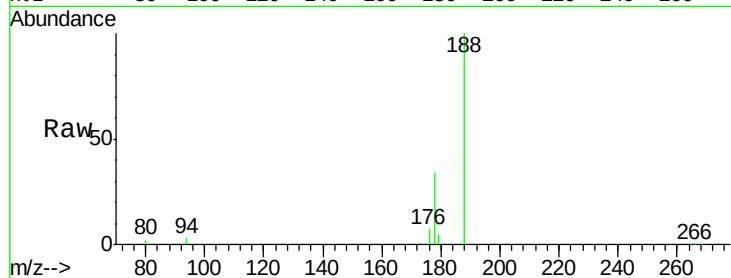
Tot Ion:178 Resp: 19420

Ion Ratio Lower Upper

178 100

179 15.7 18.1 27.1#

176 21.1 14.7 22.1



#15

Fluoranthene

Concen: 2.64 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094628.D

Acq: 28 Oct 2017 18:20

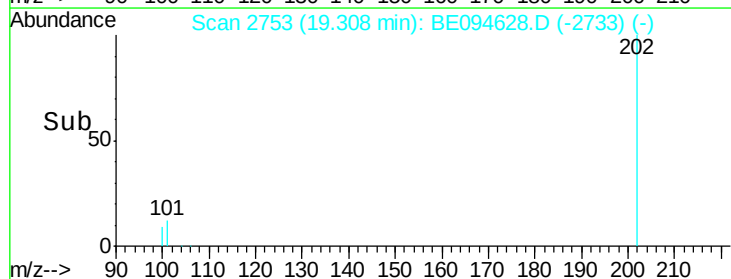
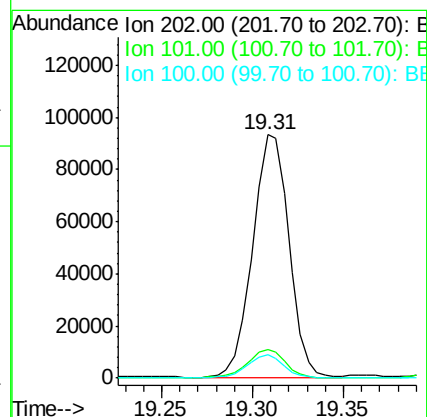
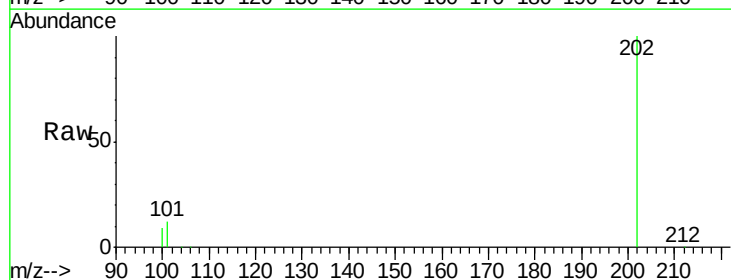
Tgt Ion:202 Resp: 129212

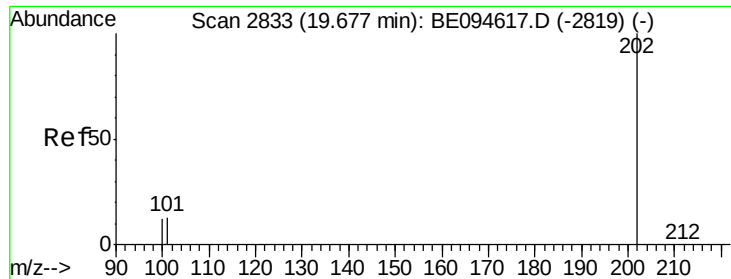
Ion Ratio Lower Upper

202 100

101 11.9 0.0 30.3

100 9.4 0.0 39.5

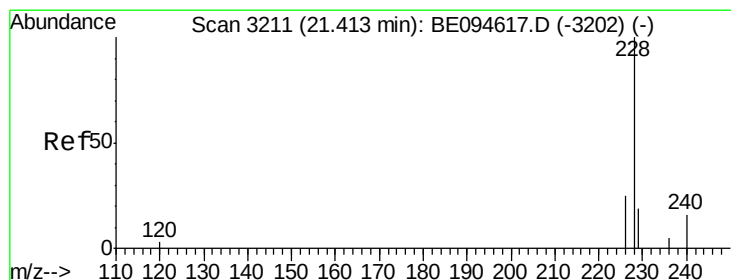
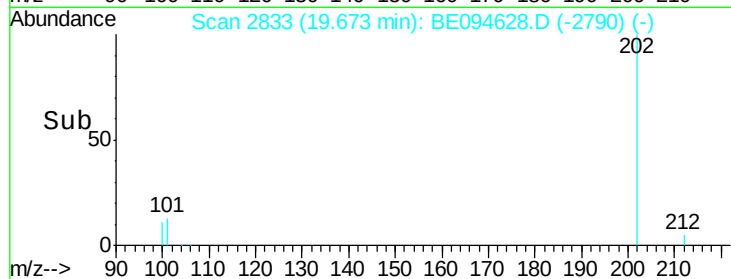
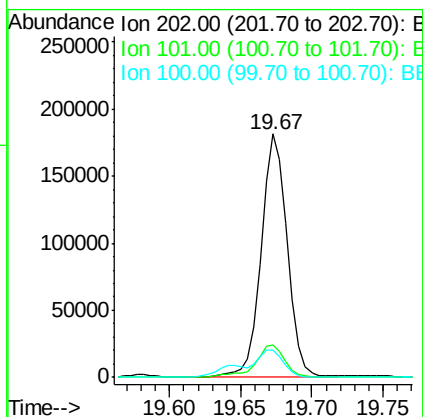
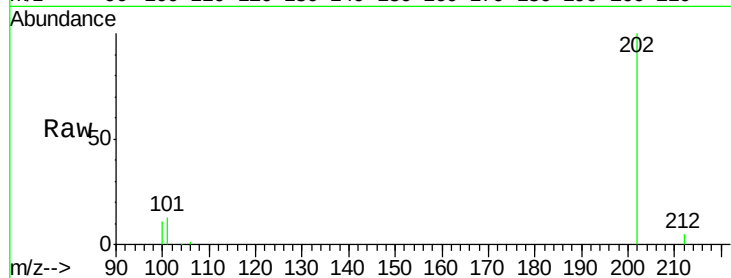




#17
Pvrene
Concen: 4.88 ng/ul
RT: 19.67 min Scan# 2833
Delta R.T. -0.00 min
Lab File: BE094628.D
Acq: 28 Oct 2017 18:20

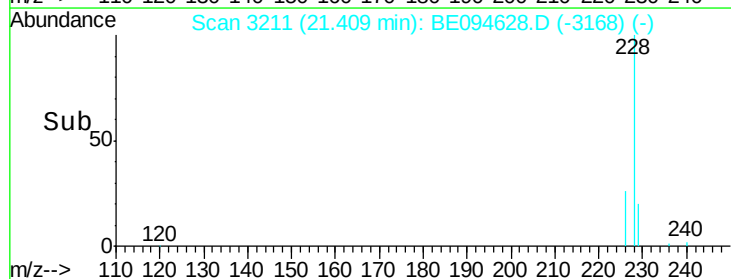
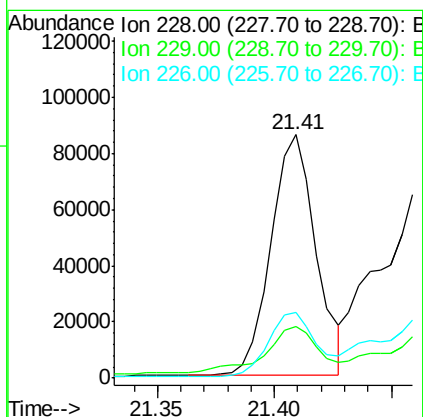
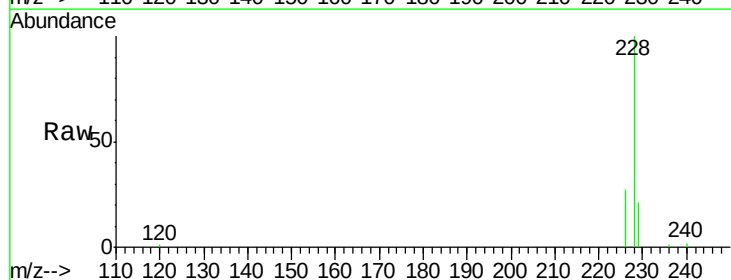
Instrument :
BNA_E
ClientSampleId :
C0AB9

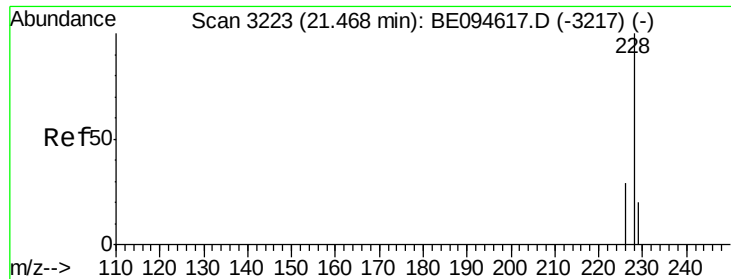
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.2	18.2	27.4#
100	11.2	15.6	23.4#



#18
Benzo(a)anthracene
Concen: 2.61 ng/ul
RT: 21.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: BE094628.D
Acq: 28 Oct 2017 18:20

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	22.8	34.2#
226	26.8	17.0	25.6#





#19

Chrysene

Concen: 3.01 ng/ul

RT: 21.46 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BE094628.D

Acq: 28 Oct 2017 18:20

Instrument :

BNA_E

ClientSampled :

C0AB9

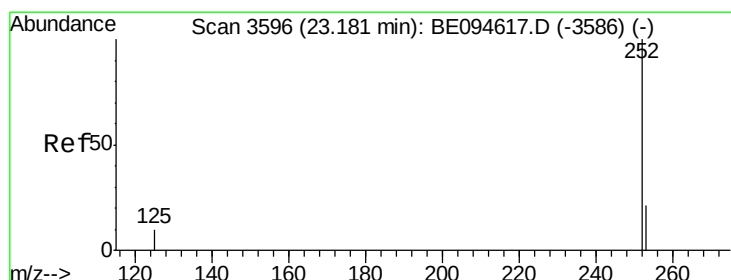
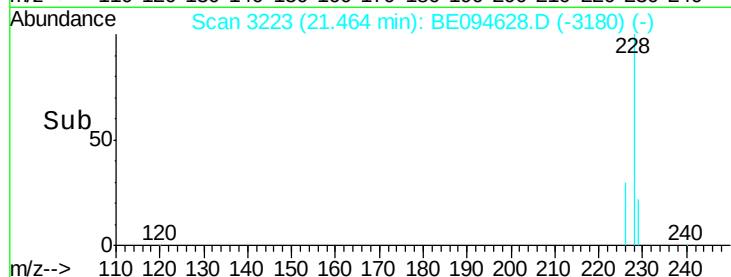
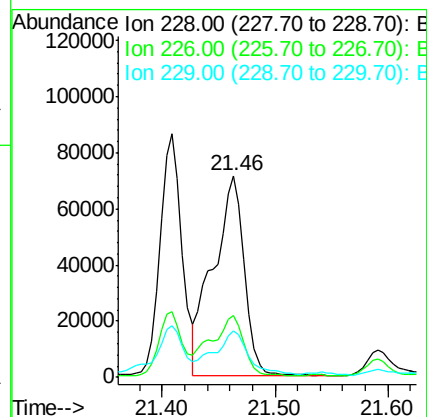
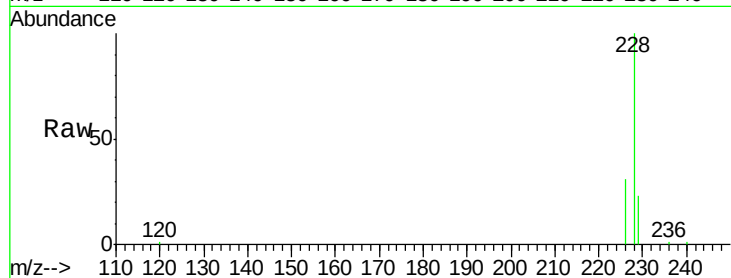
Tot Ion:228 Resp: 136678

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

229 23.3 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.08 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BE094628.D

Acq: 28 Oct 2017 18:20

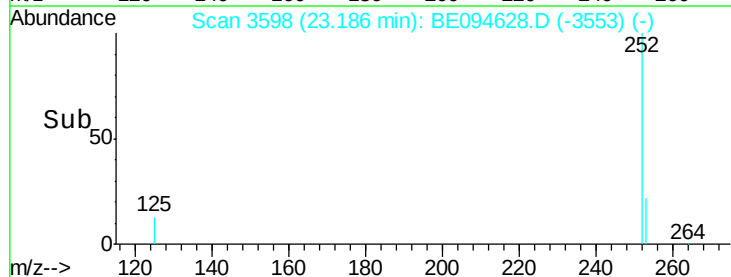
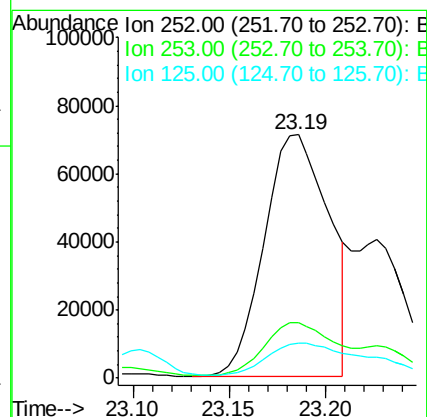
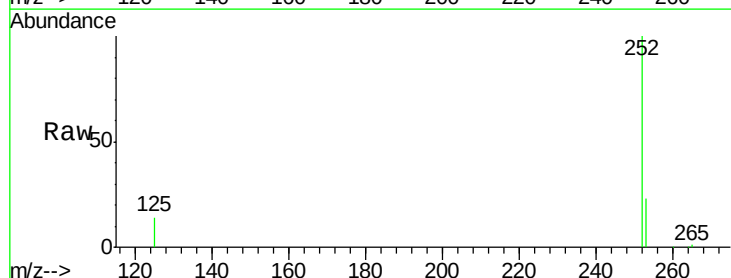
Tgt Ion:252 Resp: 165718

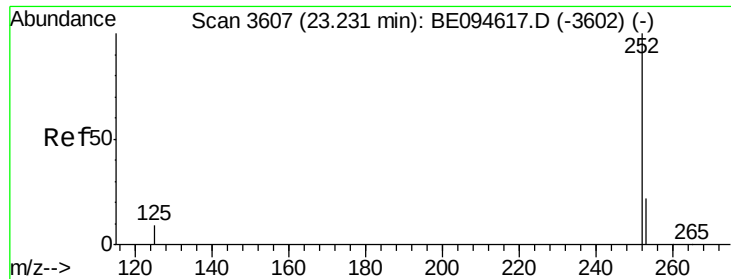
Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

125 14.3 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.07 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.05 min

Lab File: BE094628.D

Acq: 28 Oct 2017 18:20

Instrument :

BNA_E

ClientSampleId :

C0AB9

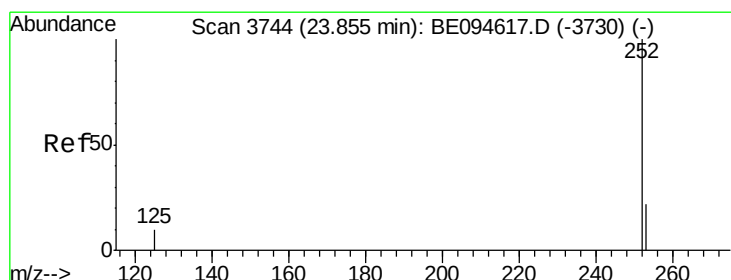
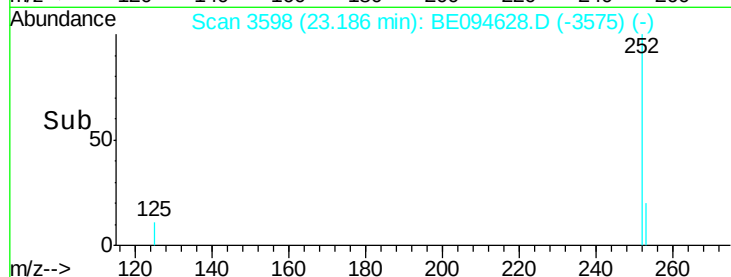
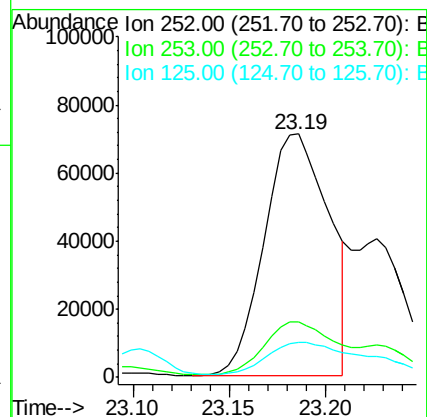
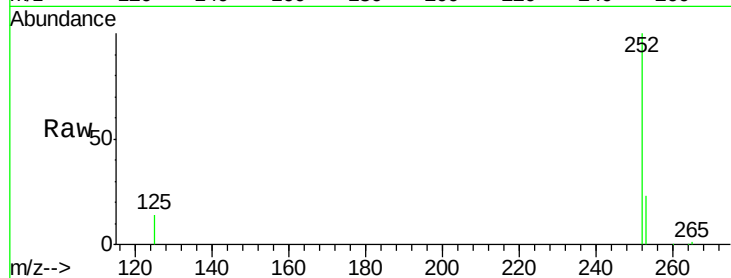
Tot Ion:252 Resp: 165718

Ion Ratio Lower Upper

252 100

253 23.0 24.5 36.7#

125 14.3 13.7 20.5



#23

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.74 min Scan# 3719

Delta R.T. -0.12 min

Lab File: BE094628.D

Acq: 28 Oct 2017 18:20

Tgt Ion:252 Resp: 69674

Ion Ratio Lower Upper

252 100

253 23.4 28.5 42.7#

125 19.7 18.1 27.1

