

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
 Data File : BE091146.D
 Acq On : 12 Nov 2015 15:52
 Operator : UM/NP
 Sample : G4322-20MS
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HT0MS

Quant Time: Nov 13 15:23:56 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 13 13:56:00 2015
 Response via : Initial Calibration

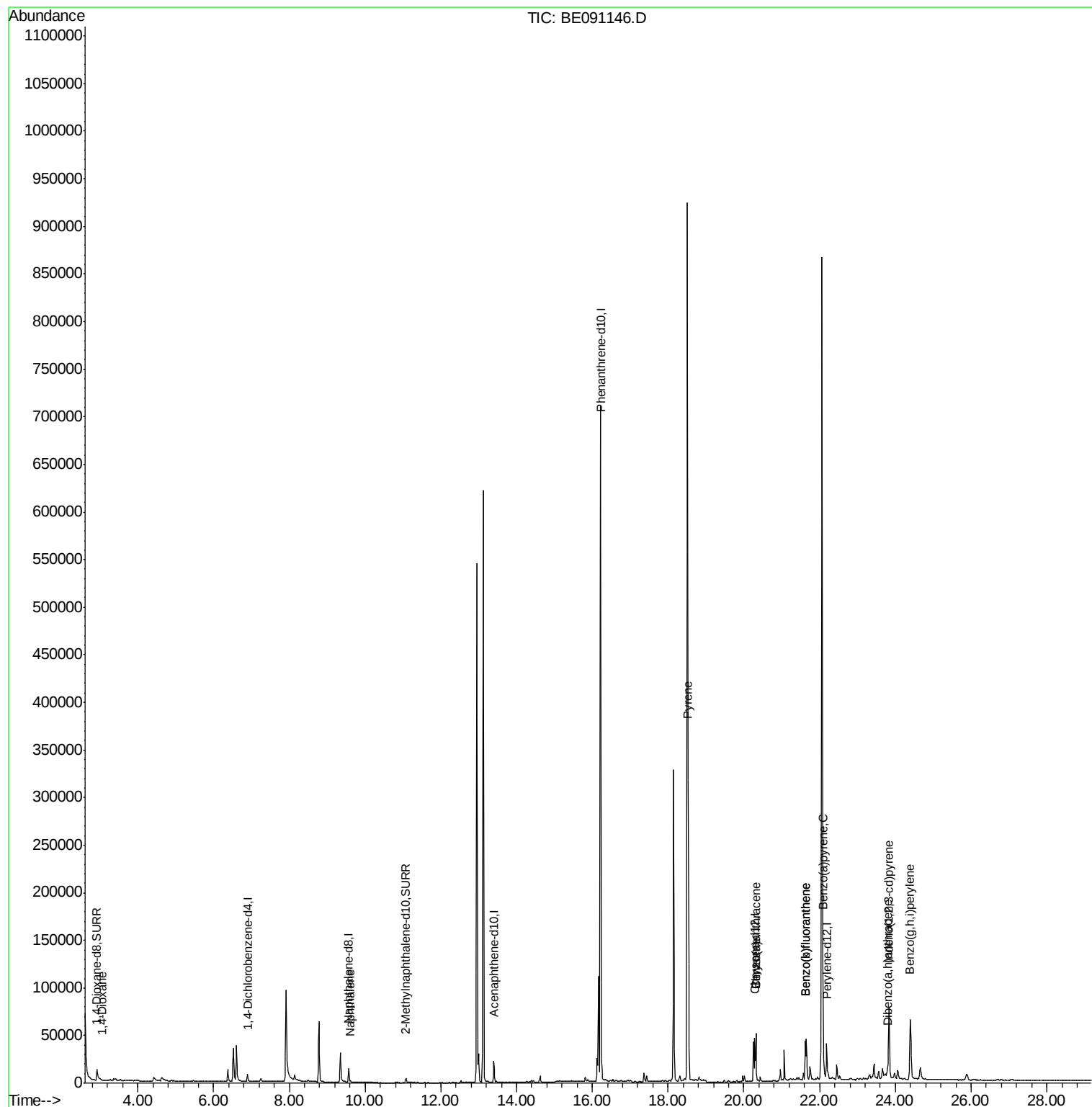
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	3264	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	18178	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	11360	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.22	188	865781	0.40	ng/ul	0.08
18) Chrysene-d12	20.29	240	37115	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	42229	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.92	96	12469	5.31	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	4214	0.17	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	10532	0.00	ng/ul	0.00
Target Compounds						
					Qvalue	
3) 1,4-Dioxane	3.07	88	80	0.03	ng/ul#	1
5) Naphthalene	9.61	128	1691	0.04	ng/ul#	83
19) Pyrene	18.53	202	307874	0.73	ng/ul#	80
20) Benzo(a)anthracene	20.32	228	45837	0.48	ng/ul	96
21) Chrysene	20.32	228	46033	0.42	ng/ul	97
23) Benzo(b)fluoranthene	21.62	252	41909	0.32	ng/ul	98
24) Benzo(k)fluoranthene	21.62	252	41909	0.31	ng/ul	96
25) Benzo(a)pyrene	22.09	252	37627	0.31	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	23.83	276	113906	0.22	ng/ul#	92
27) Dibenzo(a,h)anthracene	23.79	278	6108	0.05	ng/ul#	69
28) Benzo(g,h,i)perylene	24.39	276	100714	0.19	ng/ul	99

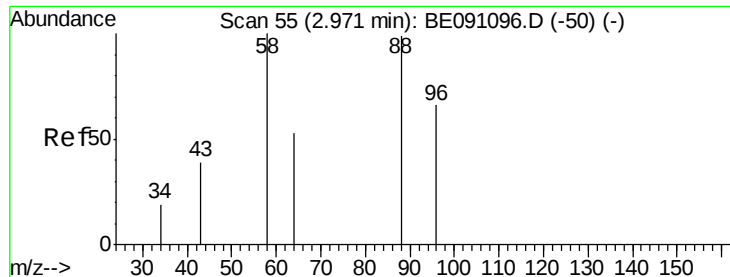
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 3.07 min Scan# 69

Delta R.T. 0.10 min

Lab File: BE091146.D

Acq: 12 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

A4HTOMS

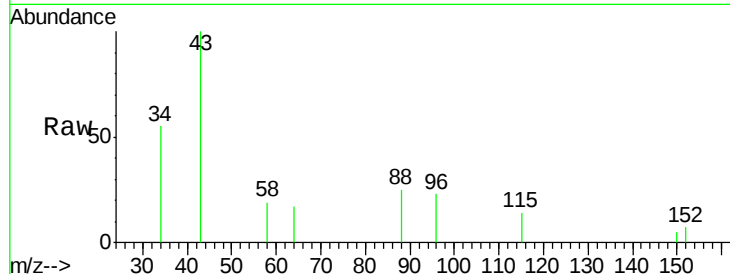
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

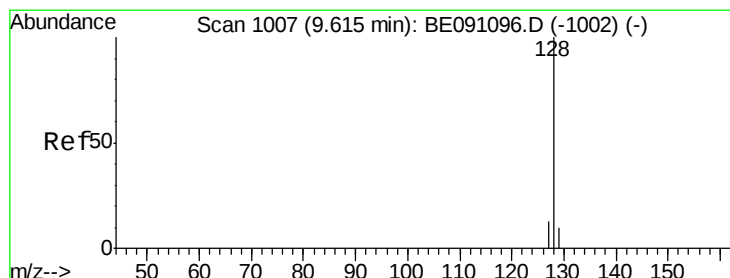
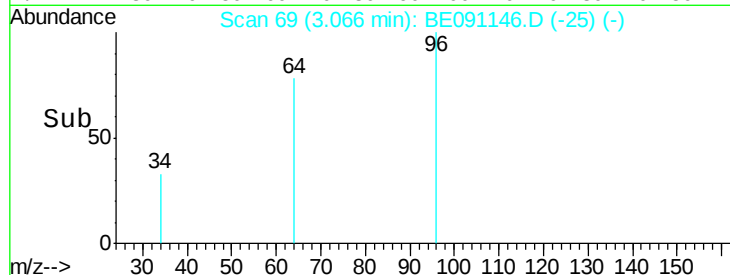
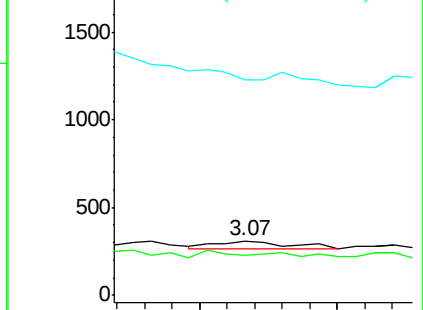
43 108.7 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 0.04 ng/ul

RT: 9.61 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BE091146.D

Acq: 12 Nov 2015 15:52

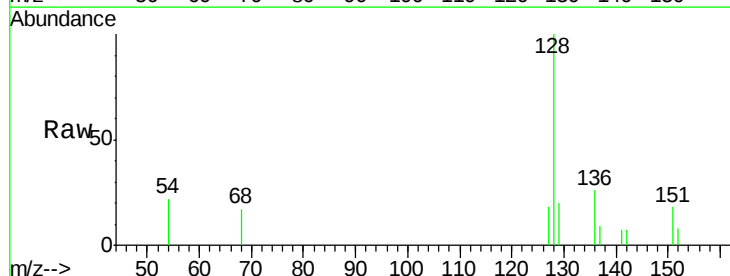
Tgt Ion: 128 Resp: 1691

Ion Ratio Lower Upper

128 100

129 20.5 9.8 14.8#

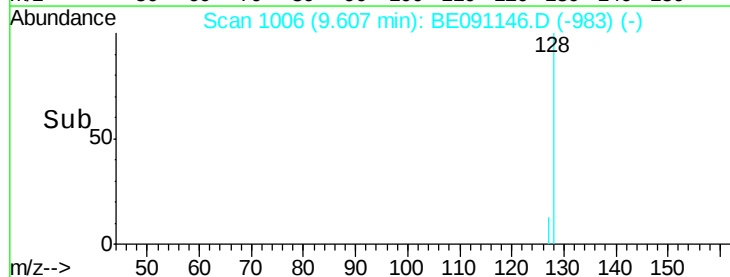
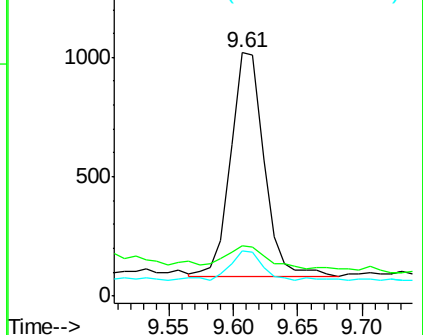
127 18.4 10.7 16.1#

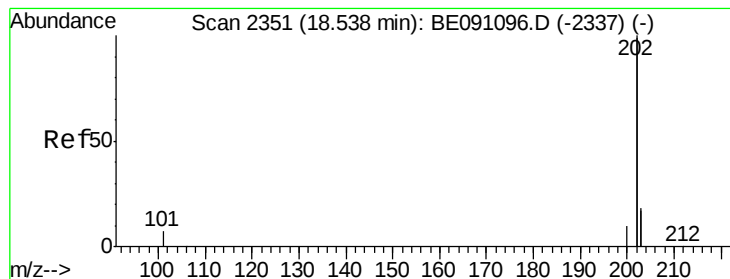


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#19

Pyrene

Concen: 0.73 ng/u1

RT: 18.53 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BE091146.D

Acq: 12 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

A4HTOMS

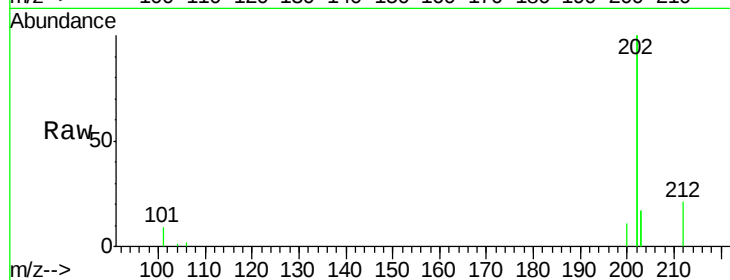
Tgt Ion:202 Resp: 307874

Ion Ratio Lower Upper

202 100

200 5.6 18.0 27.0#

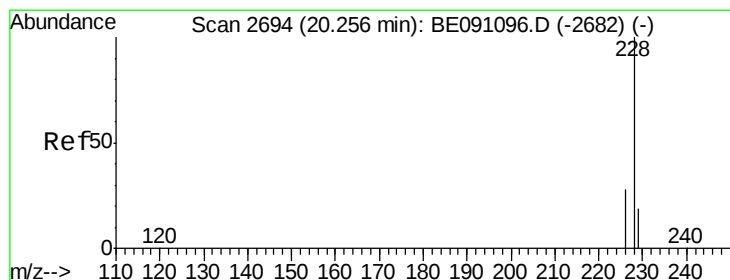
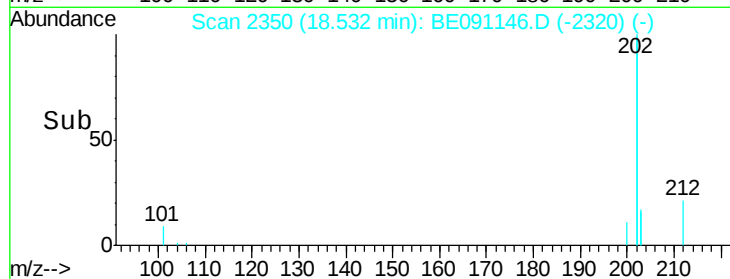
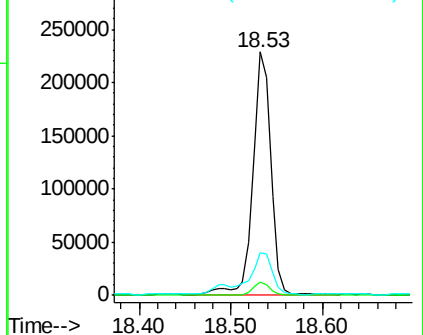
203 17.3 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#20

Benzo(a)anthracene

Concen: 0.48 ng/u1

RT: 20.32 min Scan# 2707

Delta R.T. 0.06 min

Lab File: BE091146.D

Acq: 12 Nov 2015 15:52

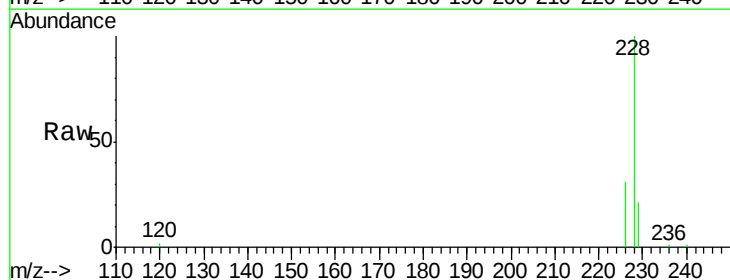
Tgt Ion:228 Resp: 45837

Ion Ratio Lower Upper

228 100

226 30.8 23.0 34.4

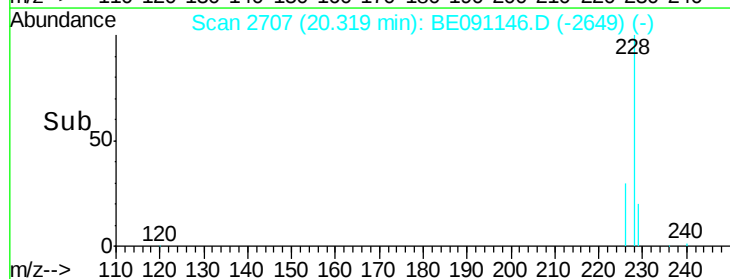
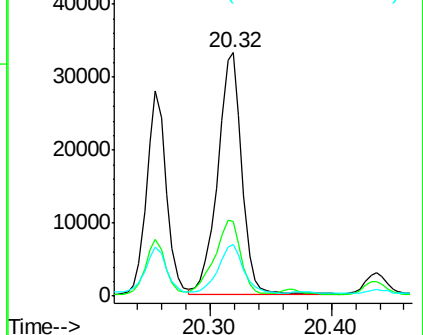
229 21.3 15.2 22.8

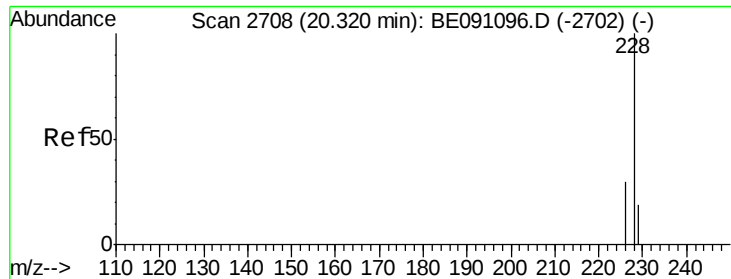


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.42 ng/u1

RT: 20.32 min Scan# 2707

Delta R.T. -0.00 min

Lab File: BE091146.D

Acq: 12 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

A4HTOMS

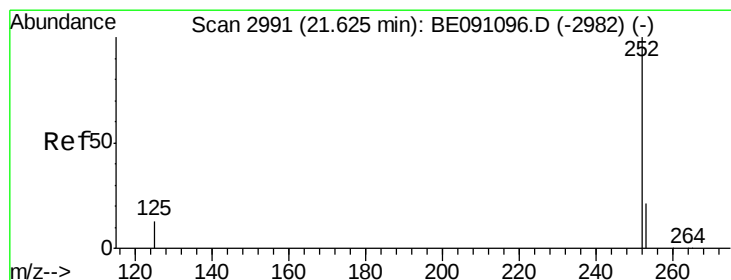
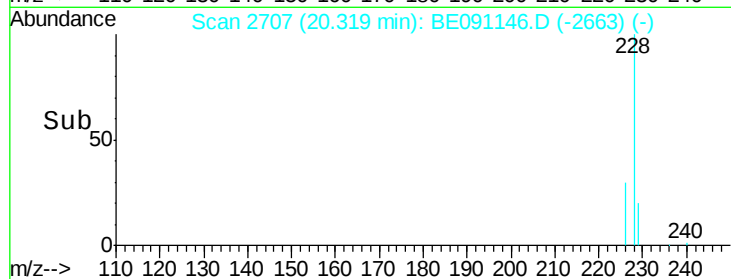
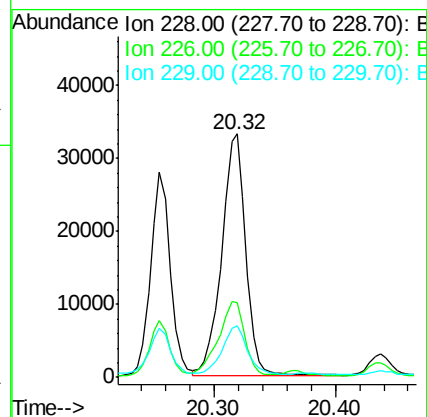
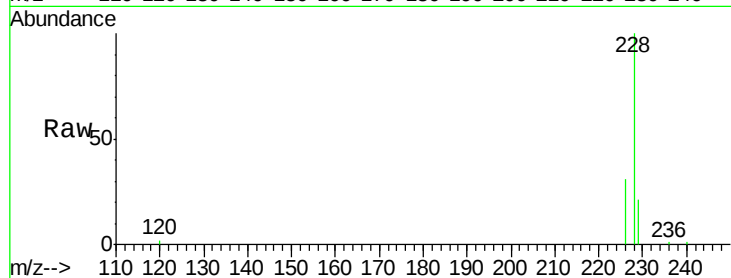
Tgt Ion:228 Resp: 46033

Ion Ratio Lower Upper

228 100

226 30.8 25.7 38.5

229 21.3 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.32 ng/u1

RT: 21.62 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE091146.D

Acq: 12 Nov 2015 15:52

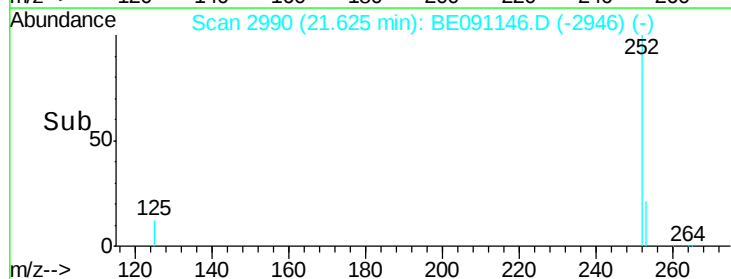
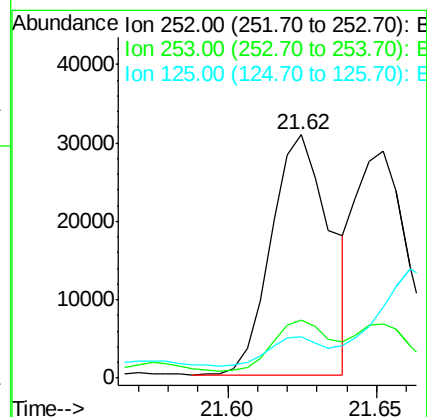
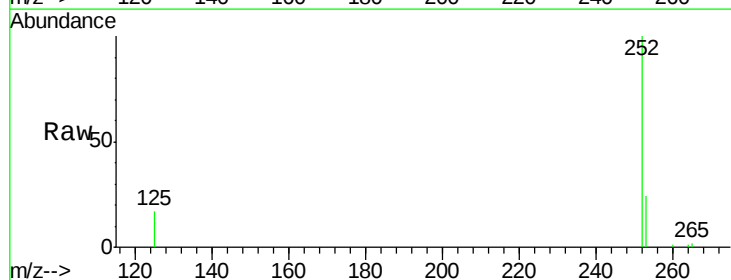
Tgt Ion:252 Resp: 41909

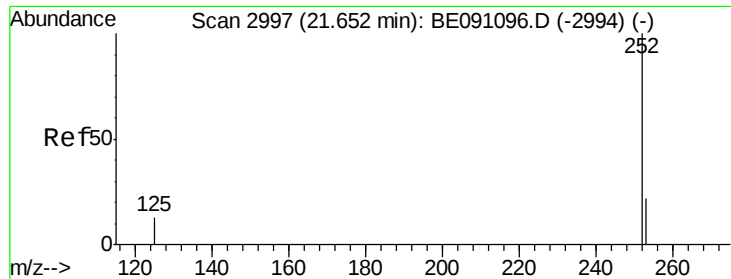
Ion Ratio Lower Upper

252 100

253 23.6 0.0 48.0

125 16.8 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.31 ng/ul

RT: 21.62 min Scan# 2990

Delta R.T. -0.03 min

Lab File: BE091146.D

Acq: 12 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

A4HTOMS

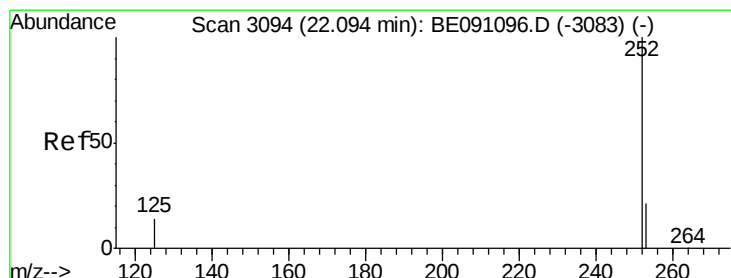
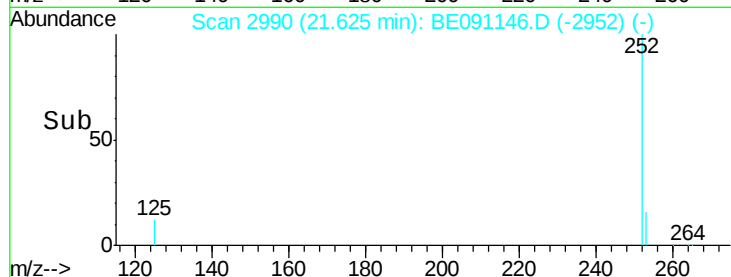
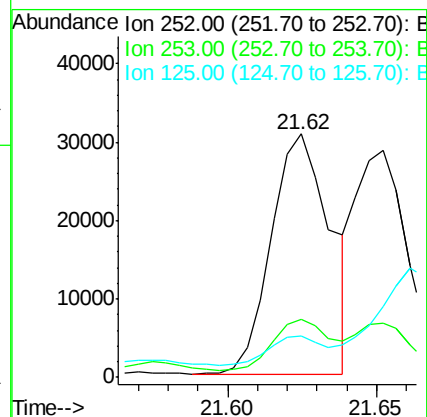
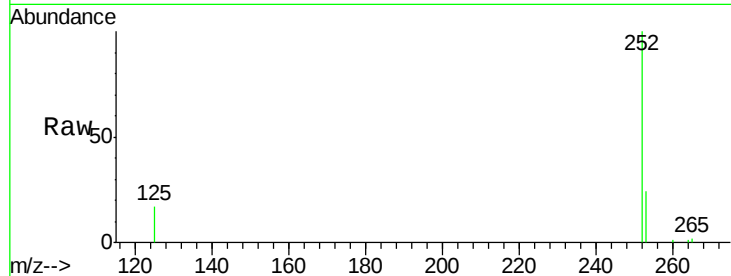
Tgt Ion:252 Resp: 41909

Ion Ratio Lower Upper

252 100

253 23.6 20.8 31.2

125 16.8 12.2 18.4



#25

Benzo(a)pyrene

Concen: 0.31 ng/ul

RT: 22.09 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BE091146.D

Acq: 12 Nov 2015 15:52

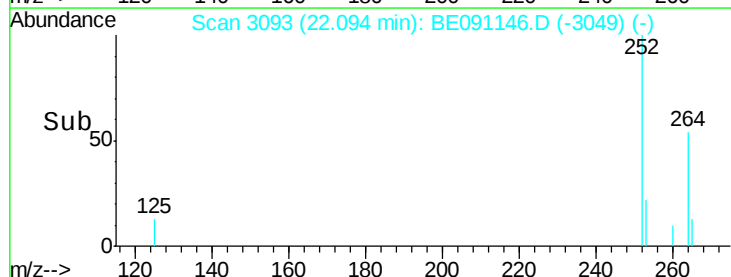
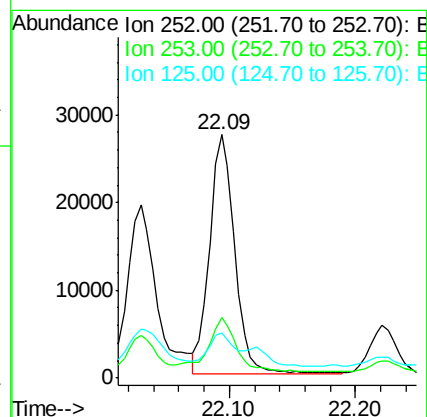
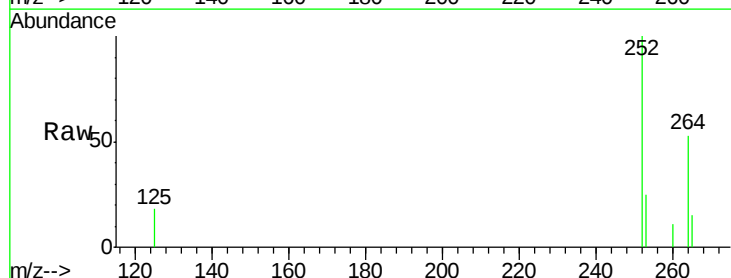
Tgt Ion:252 Resp: 37627

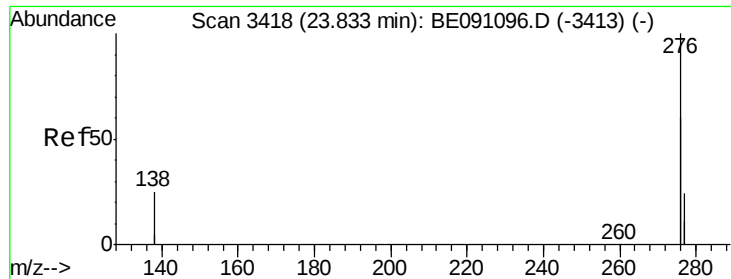
Ion Ratio Lower Upper

252 100

253 24.7 21.8 32.8

125 18.3 14.5 21.7





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.22 ng/ul

RT: 23.83 min Scan# 3417

Delta R.T. -0.00 min

Lab File: BE091146.D

Acq: 12 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

A4HT0MS

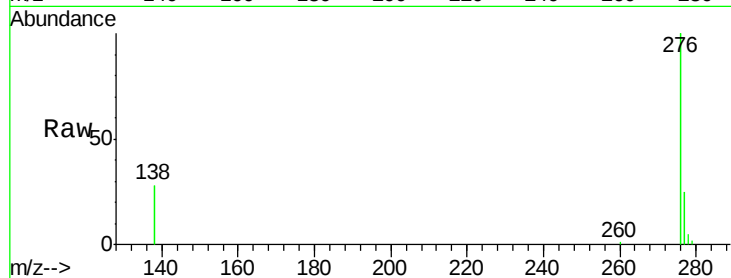
Tgt Ion:276 Resp: 113906

Ion Ratio Lower Upper

276 100

138 26.4 27.5 41.3#

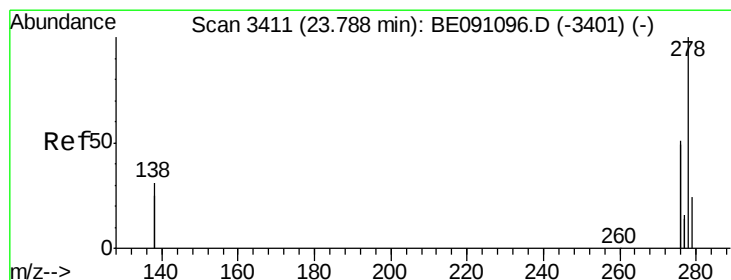
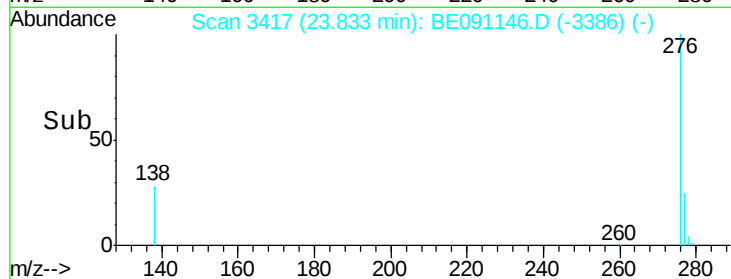
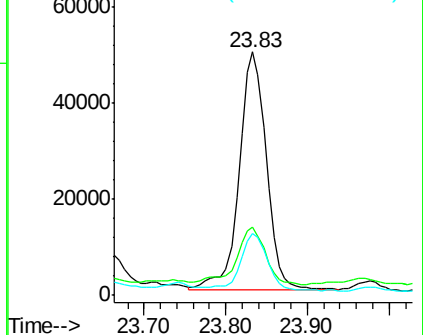
277 23.9 19.3 28.9



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



#27

Dibenzo(a,h)anthracene

Concen: 0.05 ng/ul

RT: 23.79 min Scan# 3410

Delta R.T. -0.00 min

Lab File: BE091146.D

Acq: 12 Nov 2015 15:52

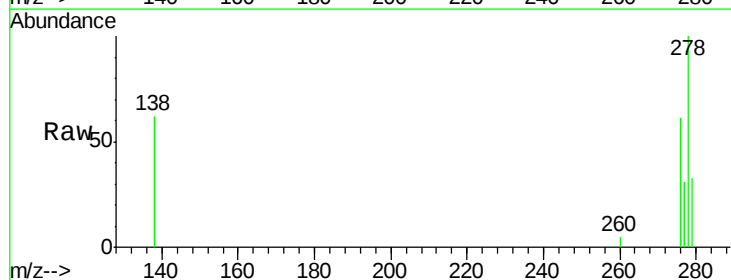
Tgt Ion:278 Resp: 6108

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

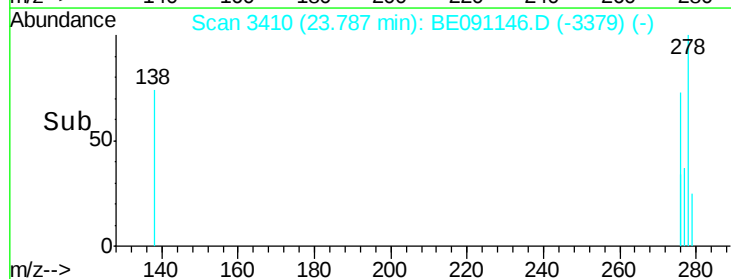
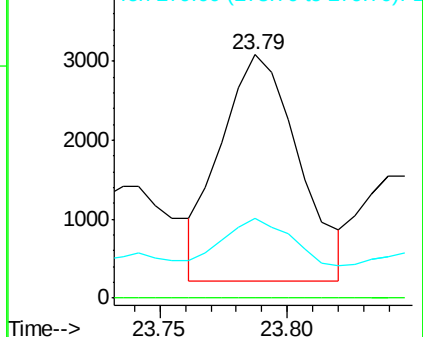
279 33.0 21.9 32.9#

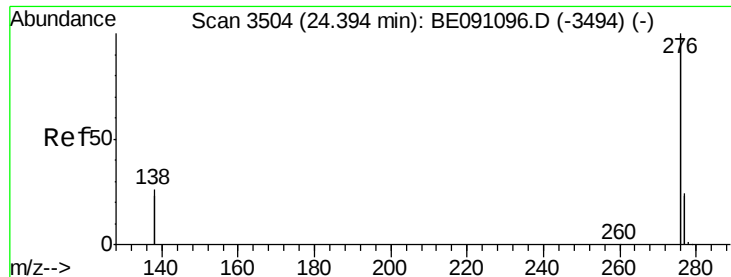


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.19 ng/ul

RT: 24.39 min Scan# 3503

Delta R.T. -0.00 min

Lab File: BE091146.D

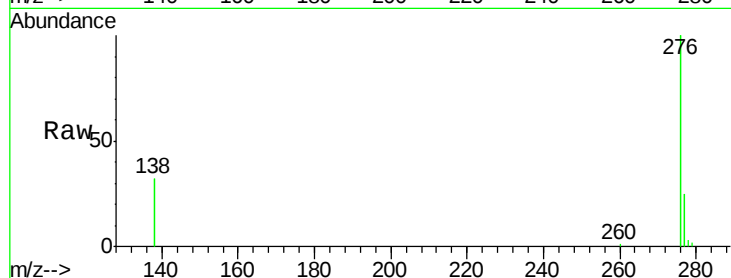
Acq: 12 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

A4HT0MS



Tgt Ion: 276 Resp: 100714

Ion Ratio Lower Upper

276 100

277 25.5 21.3 31.9

138 31.7 25.5 38.3

