

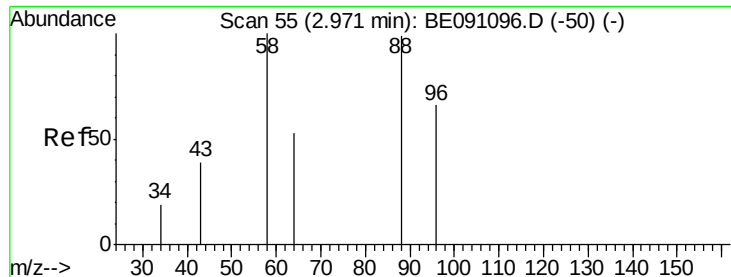
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
 Data File : BE091132.D
 Acq On : 12 Nov 2015 7:13
 Operator : UM/NP
 Sample : G4322-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HR5

Quant Time: Nov 13 15:21:48 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	6.90	152	3668	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	20214	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	11435	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.22	188	669792	0.40	ng/ul	0.08
18) Chrysene-d12	20.28	240	38741	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	41647	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.92	96	11334	4.30	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	3065	0.11	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	6959	0.00	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.99	88	389	0.13	ng/ul#	1
5) Naphthalene	9.61	128	3524	0.07	ng/ul#	92
9) Acenaphthylene	13.15	152	4573	0.08	ng/ul	97
10) Acenaphthene	13.46	153	1309	0.03	ng/ul	88
11) Fluorene	14.45	166	1695	0.03	ng/ul#	90
17) Fluoranthene	18.15	202	440317	0.05	ng/ul	88
19) Pyrene	18.53	202	416714	0.95	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	40736	0.41	ng/ul	96
21) Chrysene	20.31	228	56590	0.49	ng/ul	97
23) Benzo(b)fluoranthene	21.62	252	47735	0.37	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	49718	0.37	ng/ul	96
25) Benzo(a)pyrene	22.09	252	50733	0.42	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	140187	0.28	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.78	278	7560	0.06	ng/ul#	73
28) Benzo(g,h,i)perylene	24.39	276	134067	0.25	ng/ul	98

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



#3

1,4-Dioxane

Concen: 0.13 ng/ul

RT: 2.99 min Scan# 58

Delta R.T. 0.02 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

Instrument :

BNA_E

ClientSampleId :

A4HR5

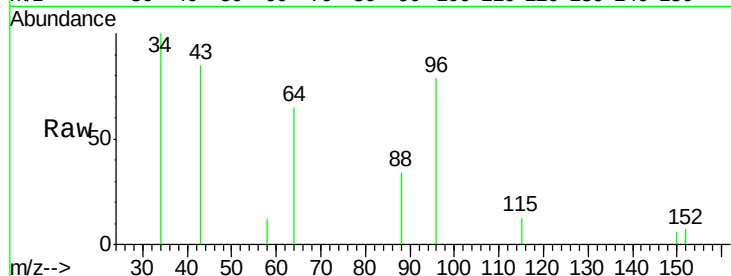
Tgt Ion: 88 Resp: 389

Ion Ratio Lower Upper

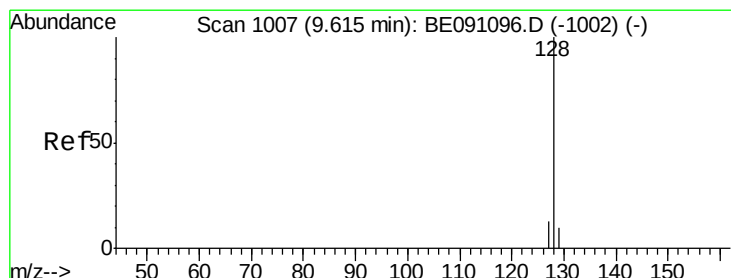
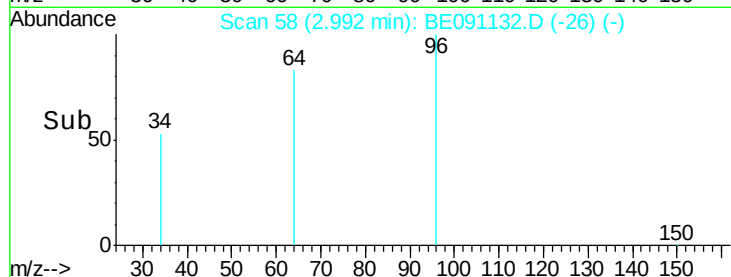
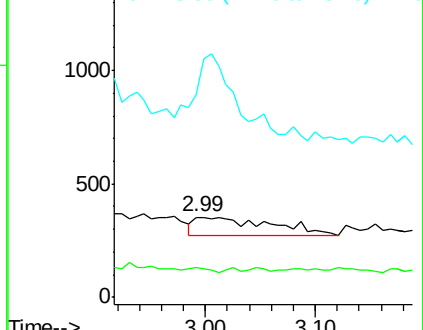
88 100

58 6.7 55.4 83.2#

43 227.2 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: 0.07 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

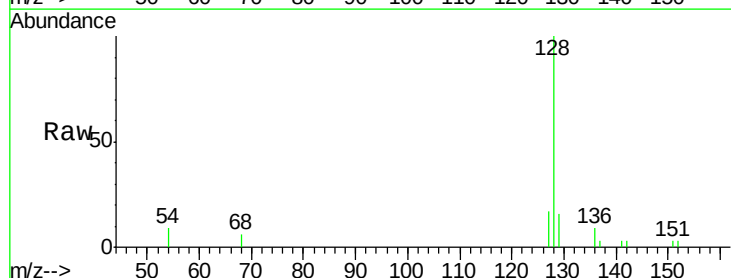
Tgt Ion: 128 Resp: 3524

Ion Ratio Lower Upper

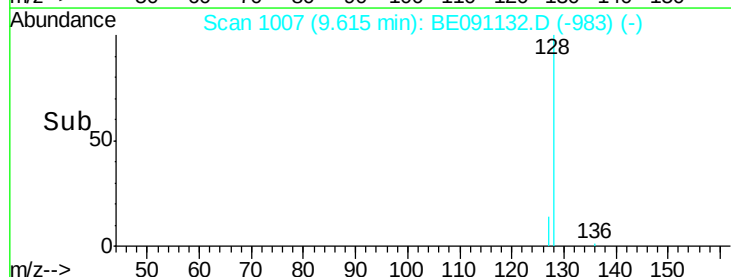
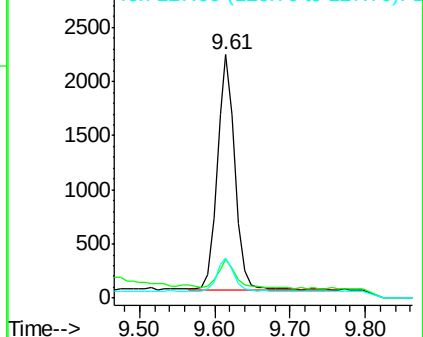
128 100

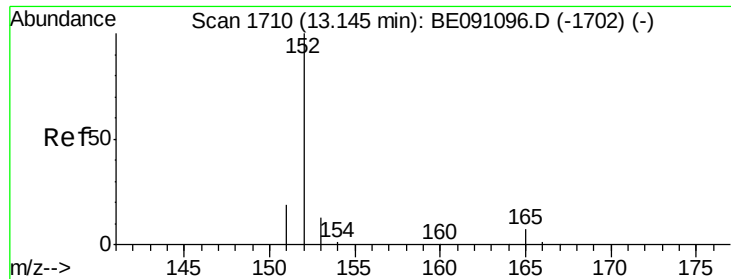
129 15.8 9.8 14.8#

127 16.6 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





#9

Acenaphthylene

Concen: 0.08 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

Instrument :

BNA_E

ClientSampleId :

A4HR5

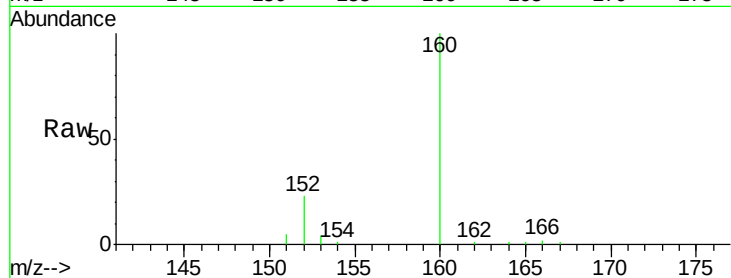
Tgt Ion:152 Resp: 4573

Ion Ratio Lower Upper

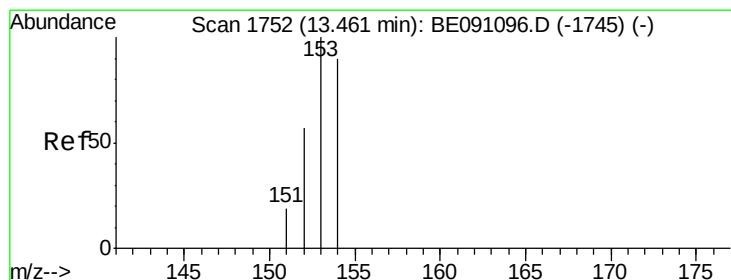
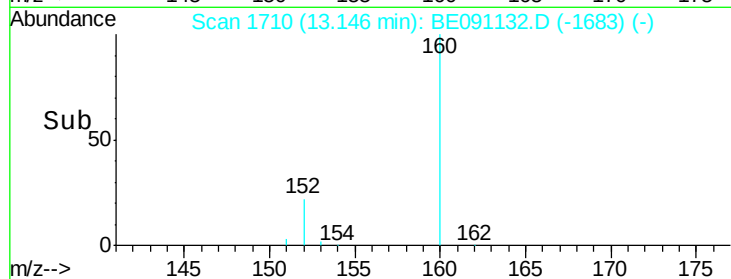
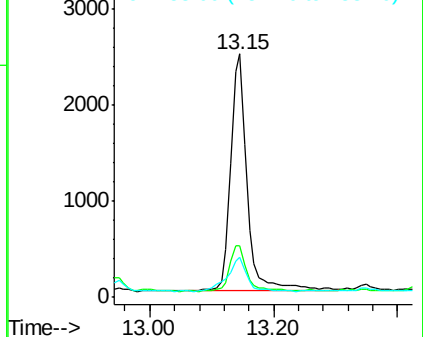
152 100

151 21.3 16.8 25.2

153 16.3 11.3 16.9



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



#10

Acenaphthene

Concen: 0.03 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

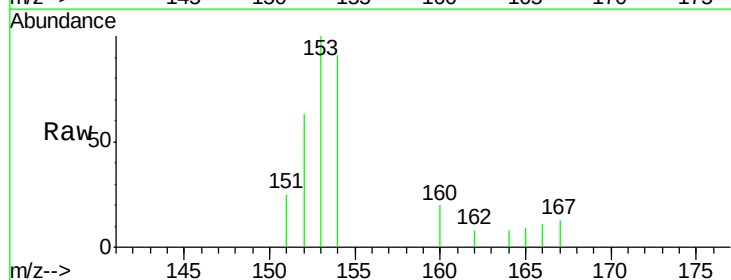
Tgt Ion:153 Resp: 1309

Ion Ratio Lower Upper

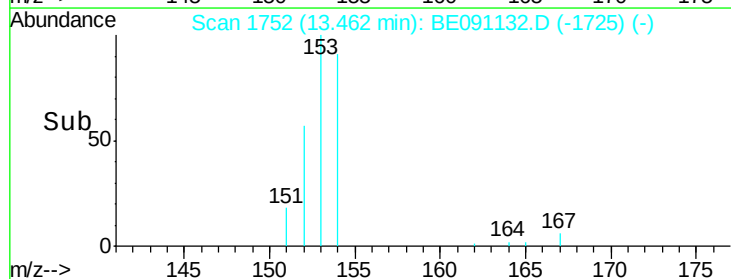
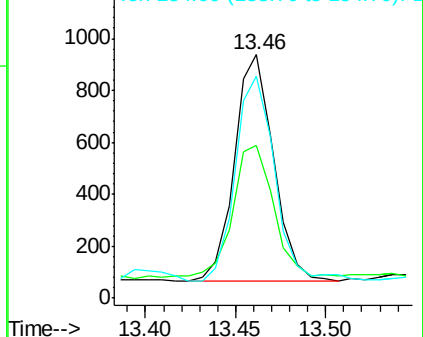
153 100

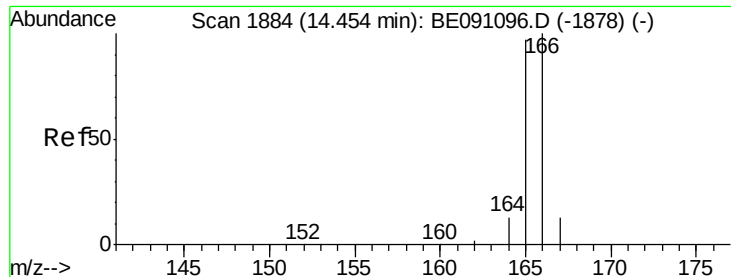
152 62.6 42.3 63.5

154 91.2 64.7 97.1



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





#11

Fluorene

Concen: 0.03 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

Instrument :

BNA_E

ClientSampleId :

A4HR5

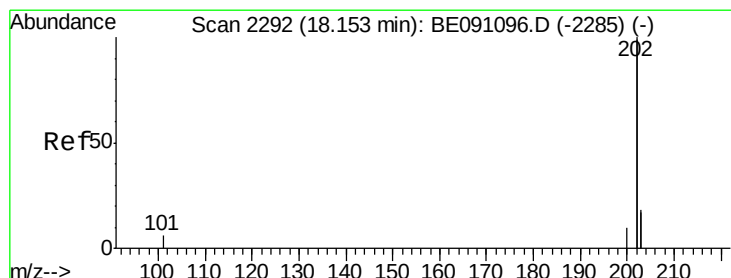
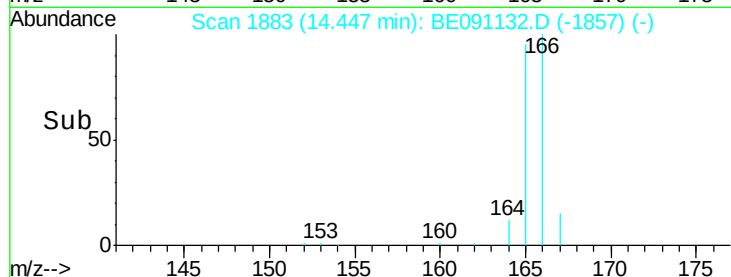
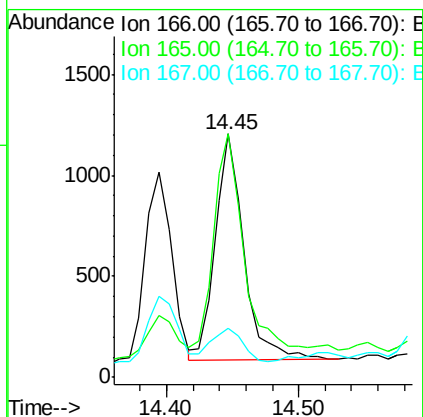
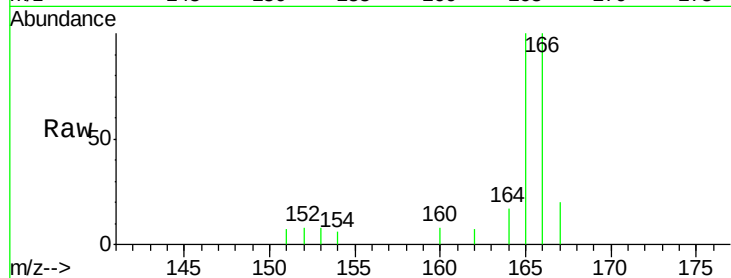
Tgt Ion:166 Resp: 1695

Ion Ratio Lower Upper

166 100

165 100.1 87.6 131.4

167 20.2 11.1 16.7#



#17

Fluoranthene

Concen: 0.05 ng/ul

RT: 18.15 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

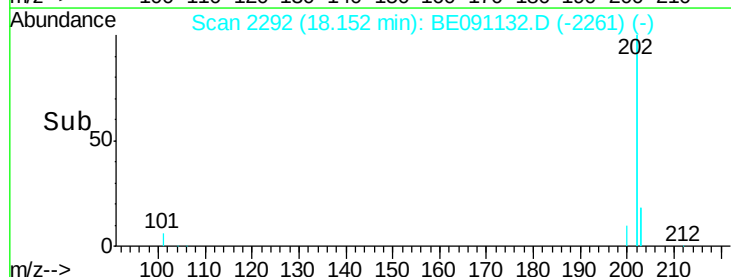
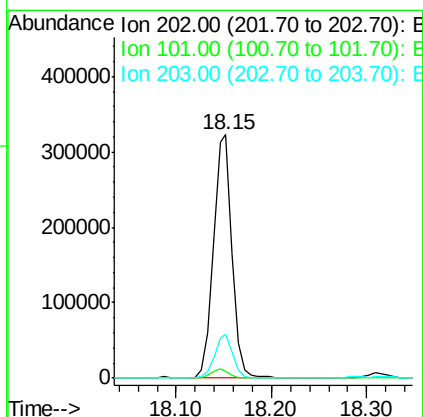
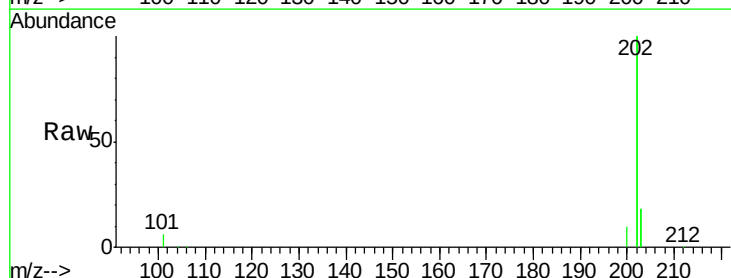
Tgt Ion:202 Resp: 440317

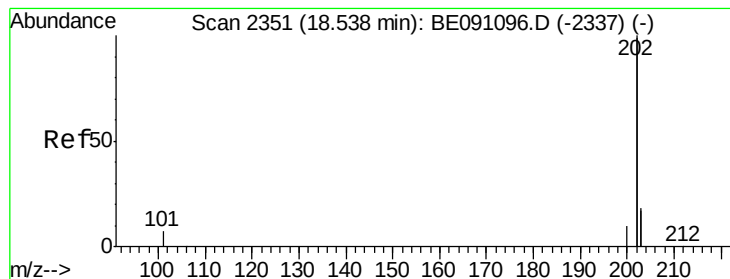
Ion Ratio Lower Upper

202 100

101 3.0 0.0 33.1

203 18.2 0.0 37.2





#19

Pyrene

Concen: 0.95 ng/ul

RT: 18.53 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

Instrument :

BNA_E

ClientSampleId :

A4HR5

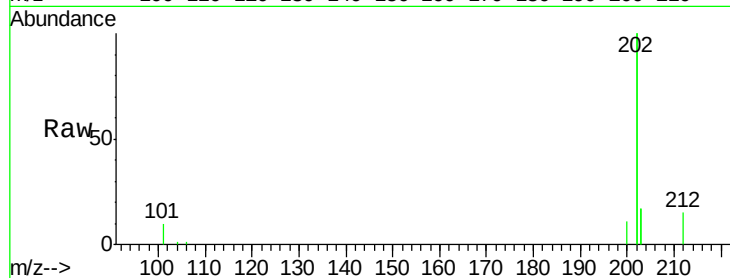
Tgt Ion:202 Resp: 416714

Ion Ratio Lower Upper

202 100

200 5.7 18.0 27.0#

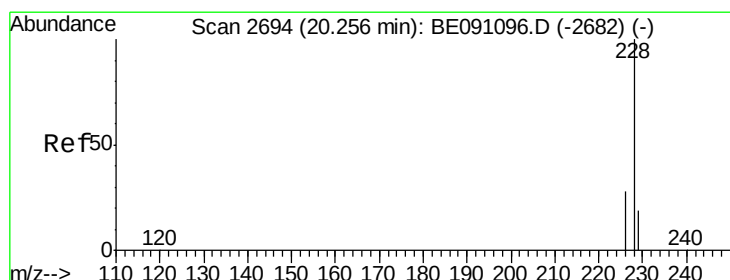
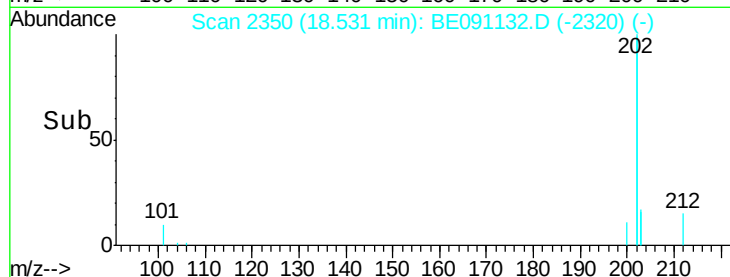
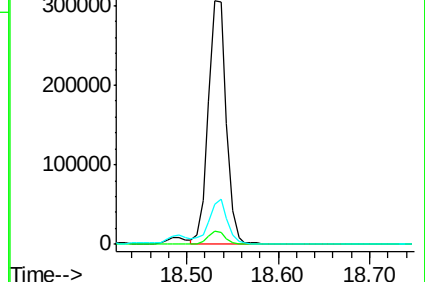
203 16.7 13.8 20.6



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: 0.41 ng/ul

RT: 20.26 min Scan# 2694

Delta R.T. -0.00 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

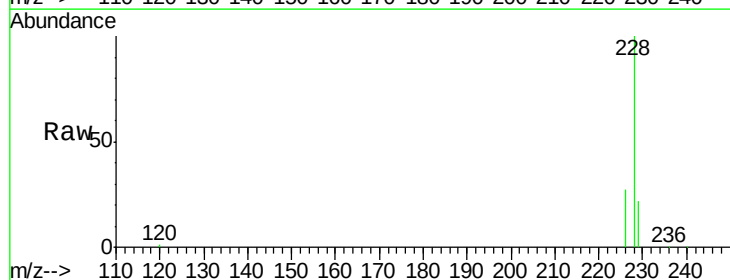
Tgt Ion:228 Resp: 40736

Ion Ratio Lower Upper

228 100

226 27.1 23.0 34.4

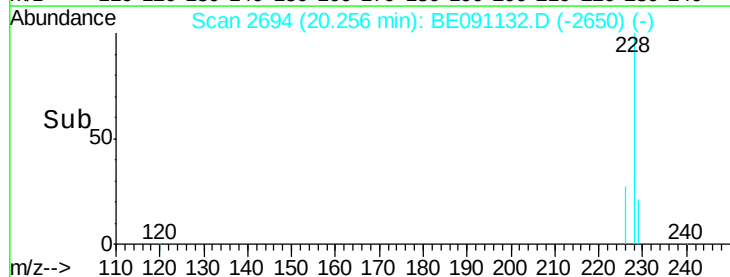
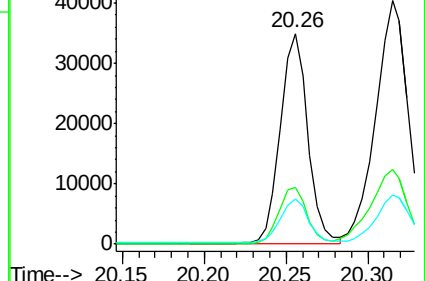
229 21.6 15.2 22.8

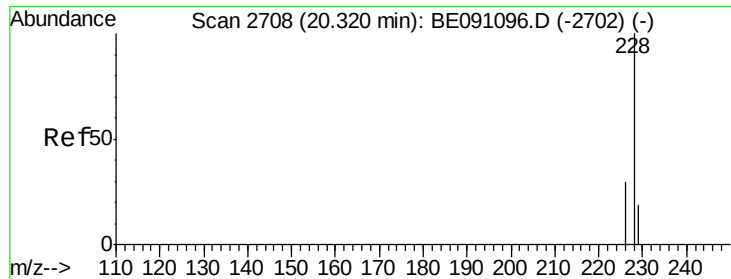


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.49 ng/ul

RT: 20.31 min Scan# 2707

Delta R.T. -0.00 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

Instrument :

BNA_E

ClientSampleId :

A4HR5

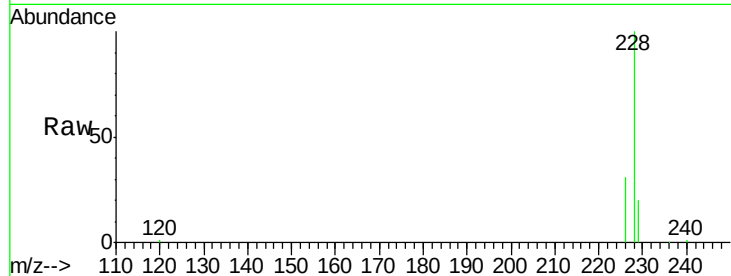
Tgt Ion:228 Resp: 56590

Ion Ratio Lower Upper

228 100

226 30.8 25.7 38.5

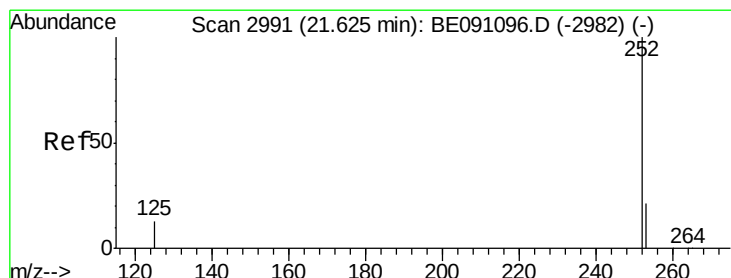
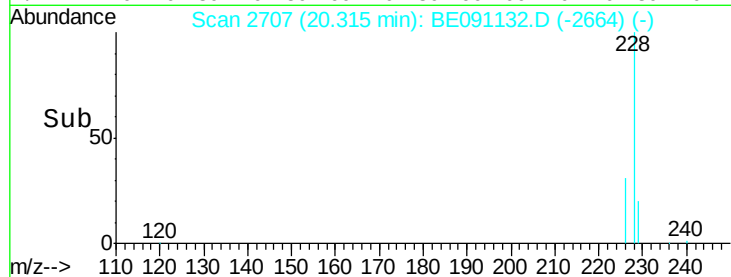
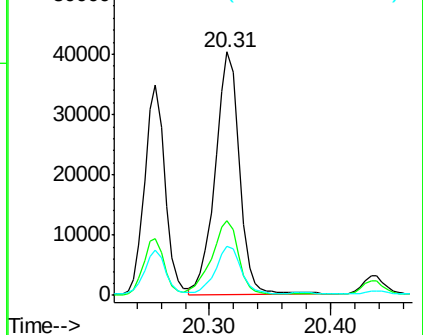
229 20.4 15.2 22.8



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



#23

Benzo(b)fluoranthene

Concen: 0.37 ng/ul

RT: 21.62 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

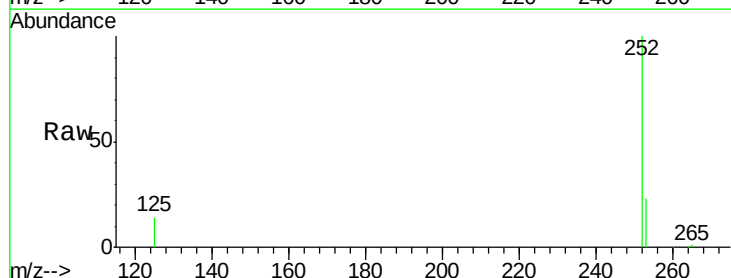
Tgt Ion:252 Resp: 47735

Ion Ratio Lower Upper

252 100

253 22.7 0.0 48.0

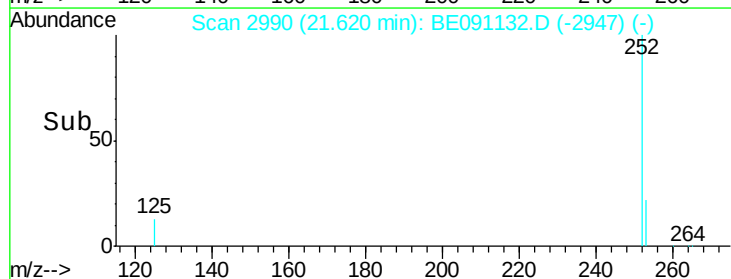
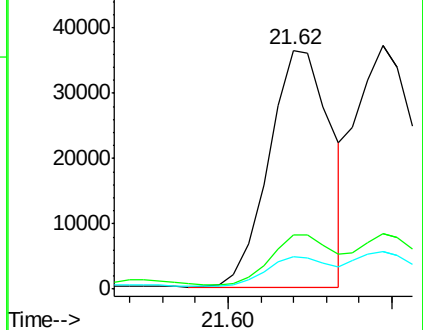
125 13.5 0.0 36.6

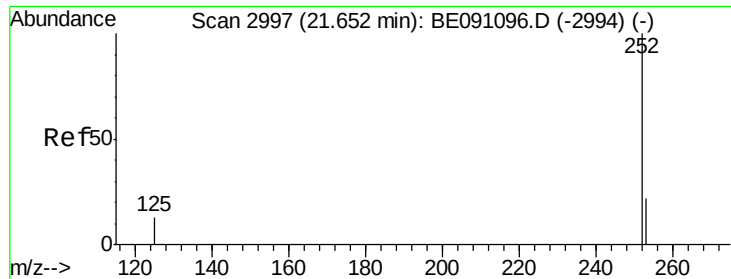


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.37 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

Instrument :

BNA_E

ClientSampleId :

A4HR5

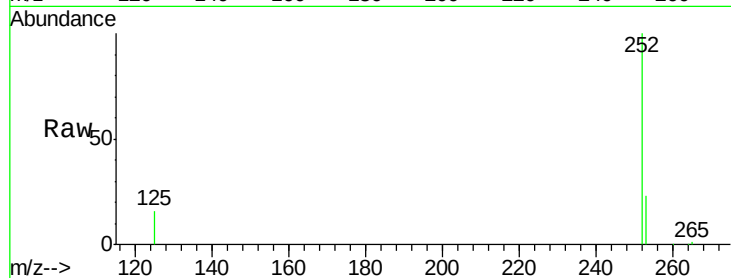
Tgt Ion:252 Resp: 49718

Ion Ratio Lower Upper

252 100

253 22.6 20.8 31.2

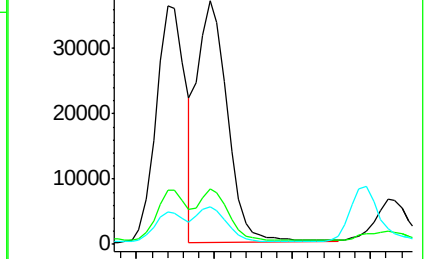
125 15.5 12.2 18.4



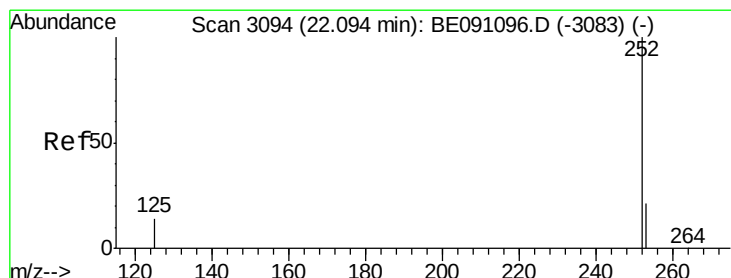
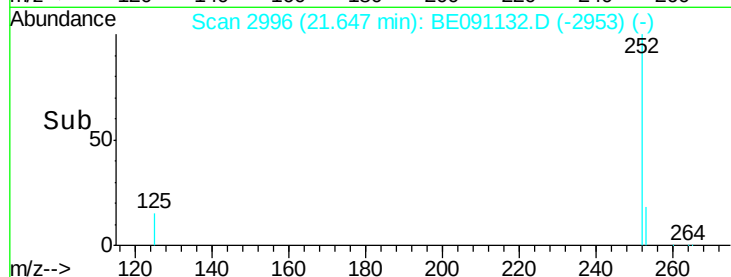
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#25

Benzo(a)pyrene

Concen: 0.42 ng/ul

RT: 22.09 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

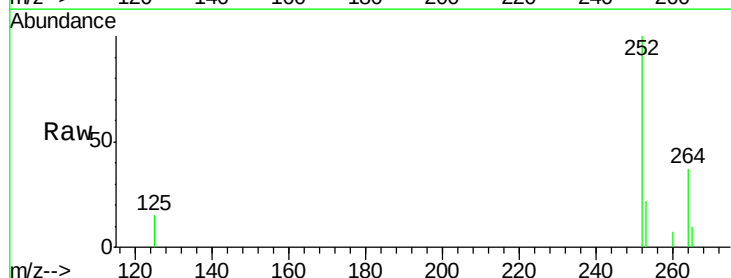
Tgt Ion:252 Resp: 50733

Ion Ratio Lower Upper

252 100

253 22.3 21.8 32.8

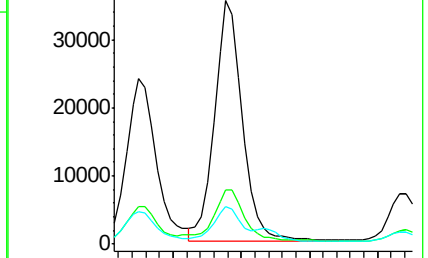
125 15.4 14.5 21.7



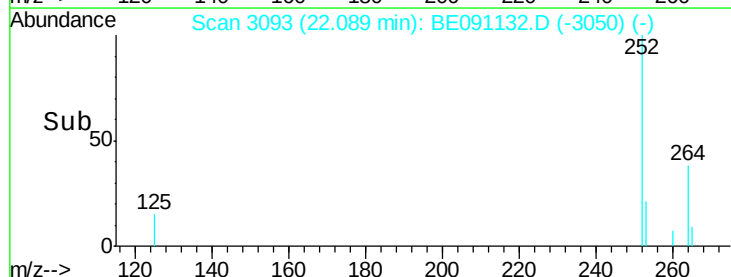
Abundance Ion 252.00 (251.70 to 252.70): E

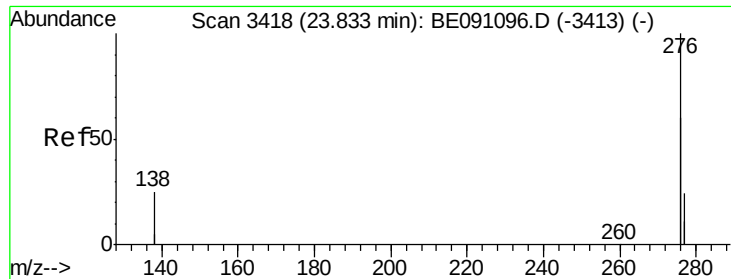
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.28 ng/ul

RT: 23.83 min Scan# 3417

Delta R.T. -0.01 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

Instrument :

BNA_E

ClientSampleId :

A4HR5

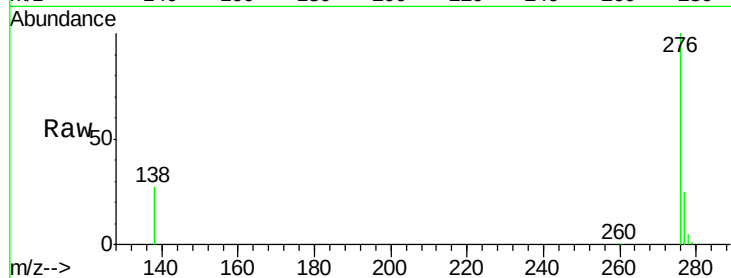
Tgt Ion:276 Resp: 140187

Ion Ratio Lower Upper

276 100

138 26.0 27.5 41.3#

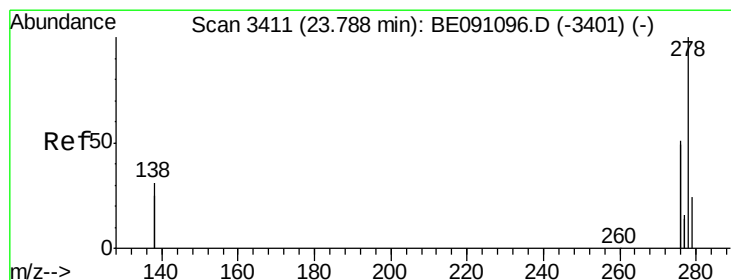
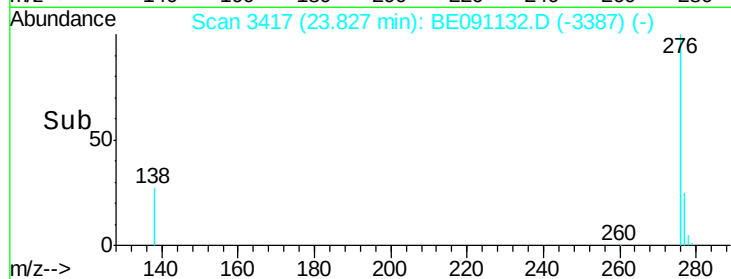
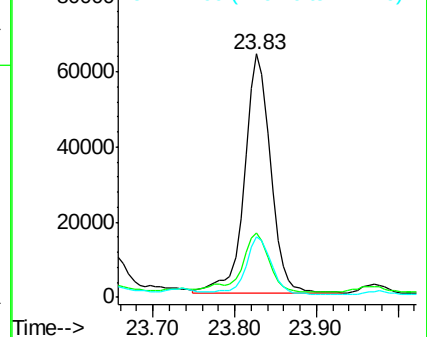
277 24.1 19.3 28.9



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: 0.06 ng/ul

RT: 23.78 min Scan# 3410

Delta R.T. -0.01 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

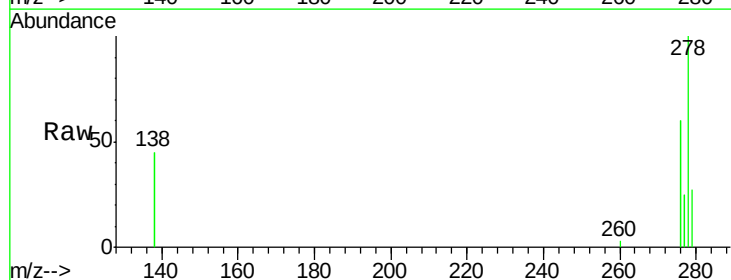
Tgt Ion:278 Resp: 7560

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

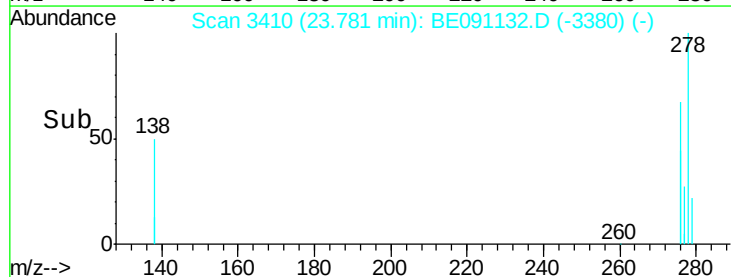
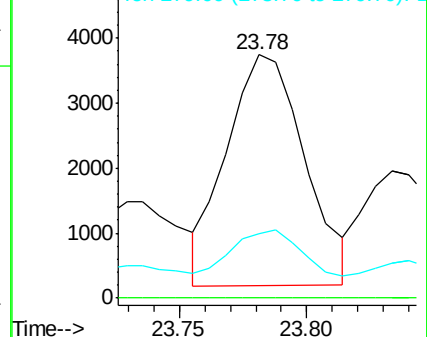
279 26.6 21.9 32.9

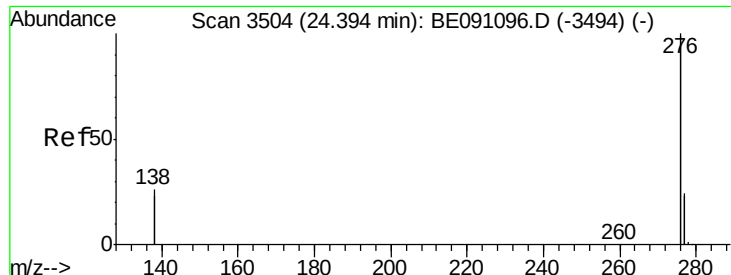


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.25 ng/ul

RT: 24.39 min Scan# 3504

Delta R.T. -0.00 min

Lab File: BE091132.D

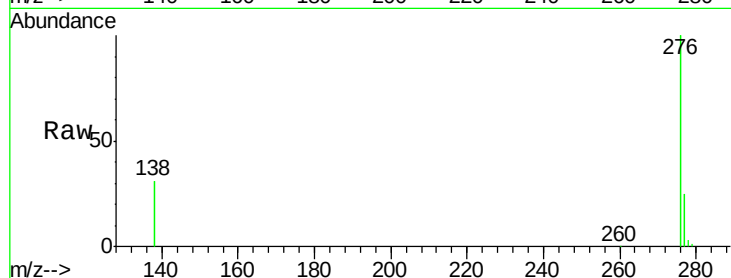
Acq: 12 Nov 2015 7:13

Instrument :

BNA_E

ClientSampleId :

A4HR5



Tgt Ion: 276 Resp: 134067

Ion Ratio Lower Upper

276 100

277 24.8 21.3 31.9

138 31.1 25.5 38.3

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

