

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
 Data File : BE091141.D
 Acq On : 12 Nov 2015 12:41
 Operator : UM/NP
 Sample : G4322-14
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HS5

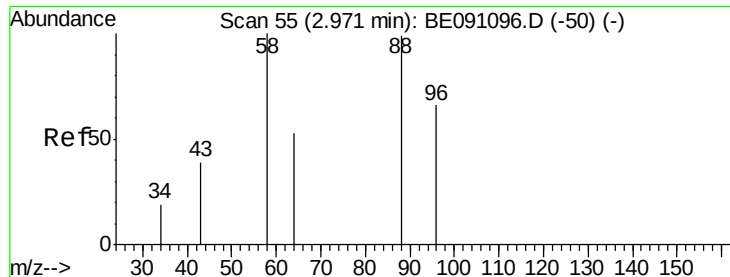
Quant Time: Nov 13 15:23:13 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 13 13:56:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	3242	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	18372	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	11422	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.22	188	682746	0.40	ng/ul	0.08
18) Chrysene-d12	20.28	240	38324	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	43093	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.92	96	9120	3.91	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	3139	0.13	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	9208	0.00	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.99	88	121	0.05	ng/ul#	1
5) Naphthalene	9.61	128	1817	0.04	ng/ul#	84
9) Acenaphthylene	13.14	152	7274	0.13	ng/ul	98
11) Fluorene	14.45	166	1958	0.04	ng/ul#	90
19) Pyrene	18.53	202	487807	1.12	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	54485	0.55	ng/ul	97
21) Chrysene	20.31	228	72642	0.64	ng/ul	99
23) Benzo(b)fluoranthene	21.63	252	61910	0.46	ng/ul	95
24) Benzo(k)fluoranthene	21.65	252	65499	0.47	ng/ul	95
25) Benzo(a)pyrene	22.09	252	66598	0.54	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	197613	0.38	ng/ul#	87
27) Dibenzo(a,h)anthracene	23.78	278	10900	0.09	ng/ul#	72
28) Benzo(g,h,i)perylene	24.39	276	176356	0.32	ng/ul	95

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



#3

1,4-Dioxane

Concen: 0.05 ng/ul

RT: 2.99 min Scan# 58

Delta R.T. 0.02 min

Lab File: BE091141.D

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Instrument :

BNA_E

ClientSampleId :

A4HS5

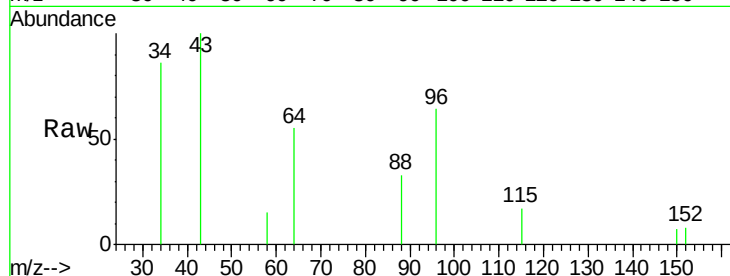
Tgt Ion: 88 Resp: 121

Ion Ratio Lower Upper

88 100

58 30.6 55.4 83.2#

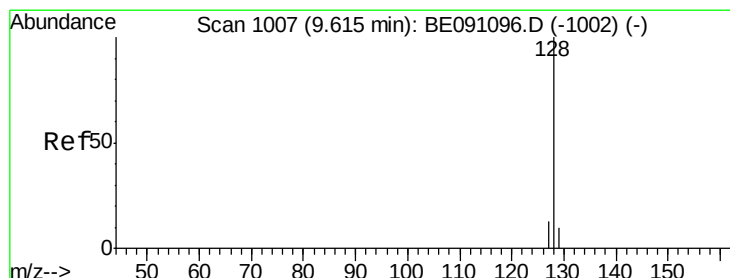
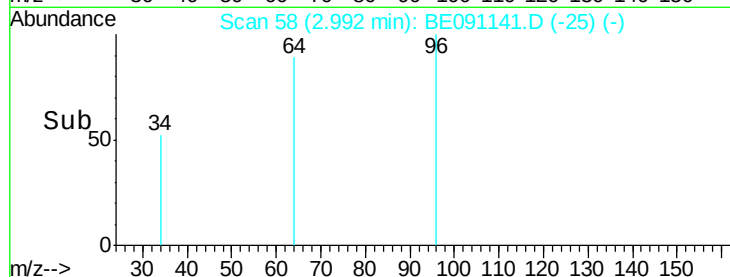
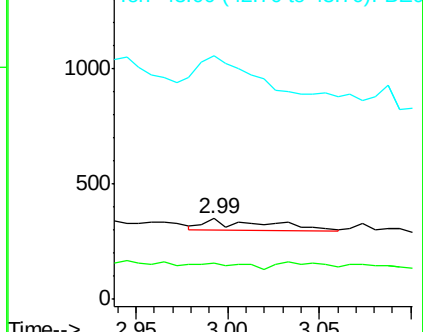
43 397.5 24.2 36.2#



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: BE091141.D

Acq: 12 Nov 2015 12:41

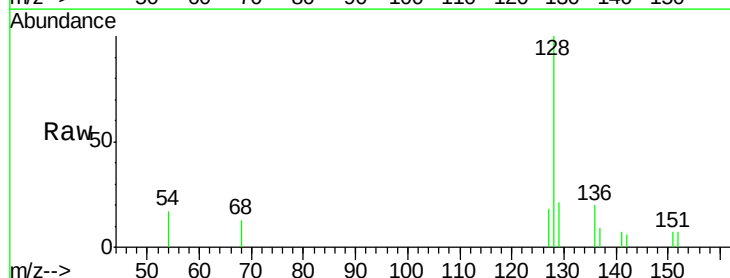
Tgt Ion: 128 Resp: 1817

Ion Ratio Lower Upper

128 100

129 20.6 9.8 14.8#

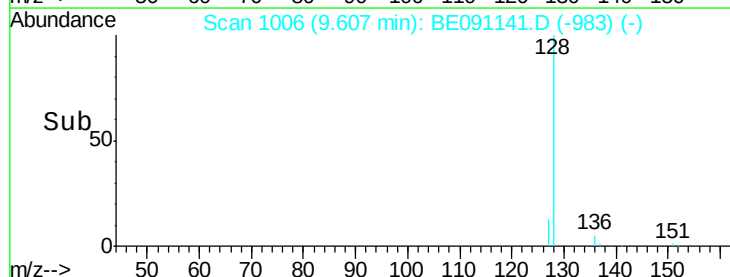
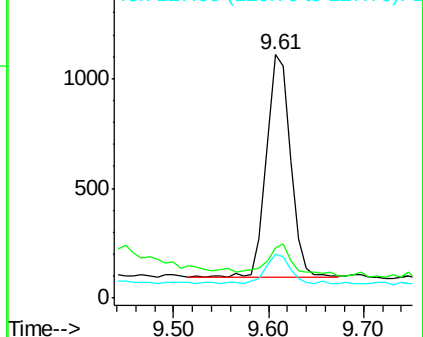
127 18.3 10.7 16.1#

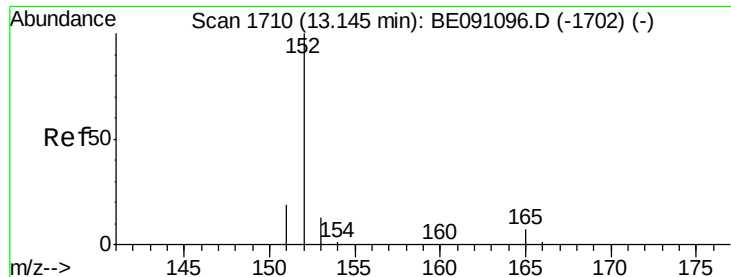


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#9

Acenaphthylene

Concen: 0.13 ng/ul

RT: 13.14 min Scan# 1709

Delta R.T. -0.01 min

Lab File: BE091141.D

Acq: 12 Nov 2015 12:41

Instrument :

BNA_E

ClientSampleId :

A4HS5

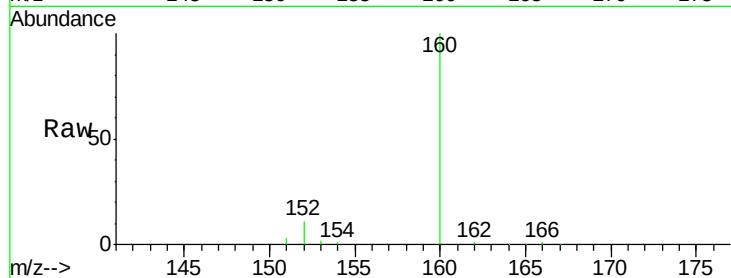
Tgt Ion:152 Resp: 7274

Ion Ratio Lower Upper

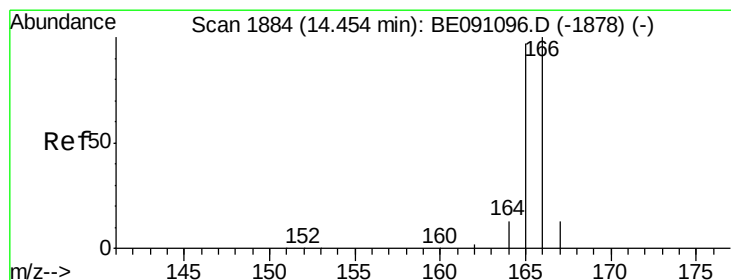
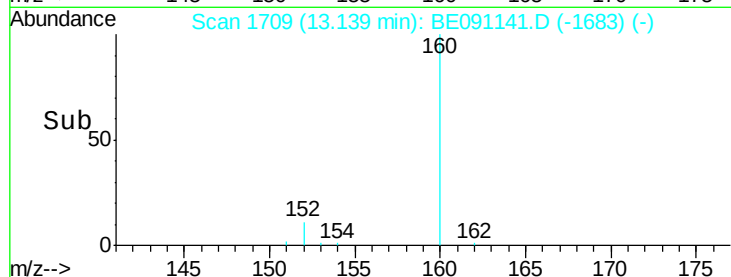
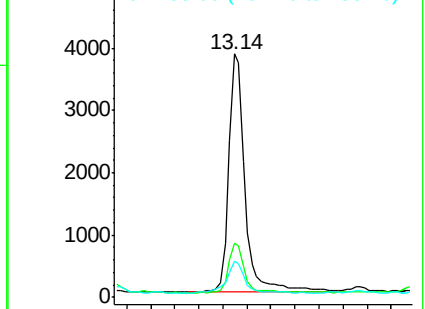
152 100

151 22.2 16.8 25.2

153 14.9 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



#11

Fluorene

Concen: 0.04 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091141.D

Acq: 12 Nov 2015 12:41

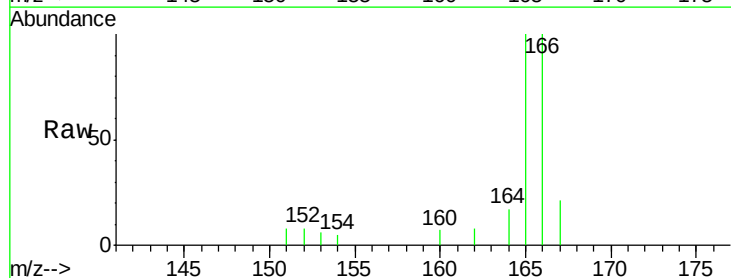
Tgt Ion:166 Resp: 1958

Ion Ratio Lower Upper

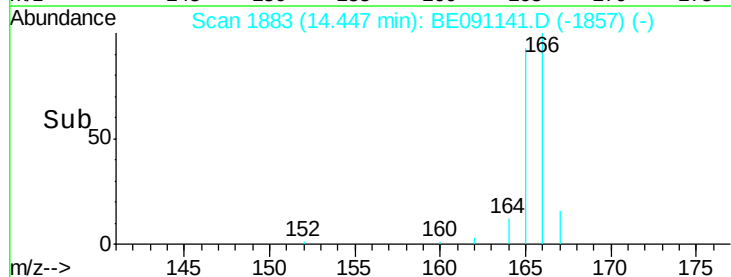
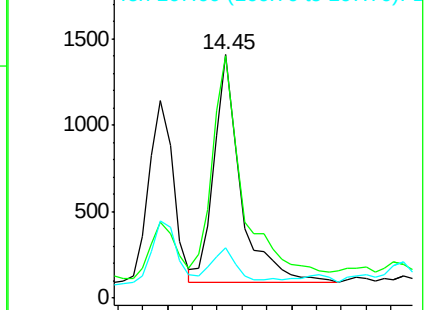
166 100

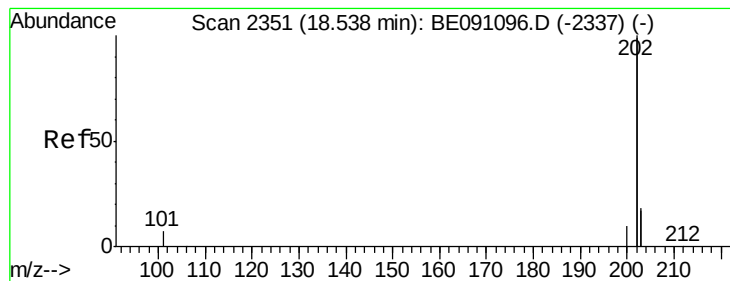
165 99.6 87.6 131.4

167 20.6 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Pyrene

Concen: 1.12 ng/ul

RT: 18.53 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BE091141.D

Acq: 12 Nov 2015 12:41

Instrument :

BNA_E

ClientSampleId :

A4HS5

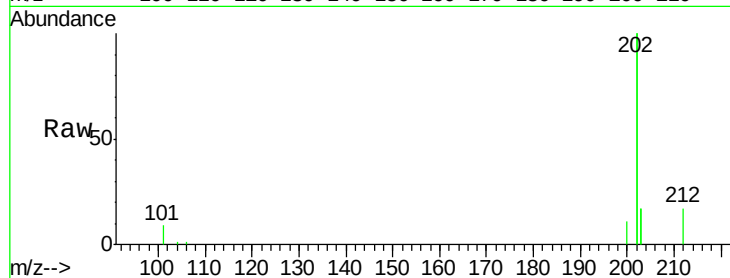
Tgt Ion:202 Resp: 487807

Ion Ratio Lower Upper

202 100

200 5.6 18.0 27.0#

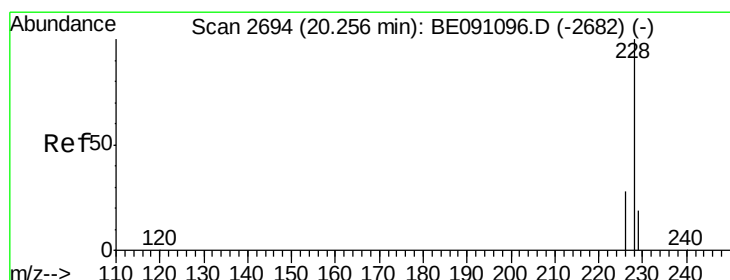
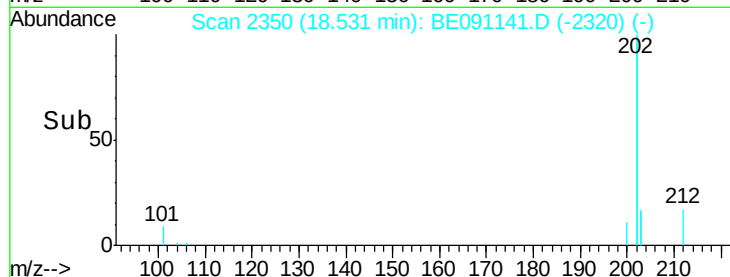
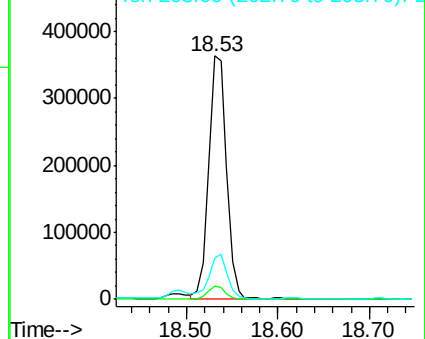
203 16.9 13.8 20.6



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: 0.55 ng/ul

RT: 20.26 min Scan# 2694

Delta R.T. -0.00 min

Lab File: BE091141.D

Acq: 12 Nov 2015 12:41

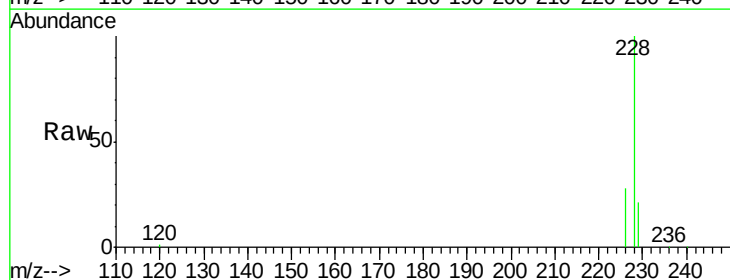
Tgt Ion:228 Resp: 54485

Ion Ratio Lower Upper

228 100

226 27.6 23.0 34.4

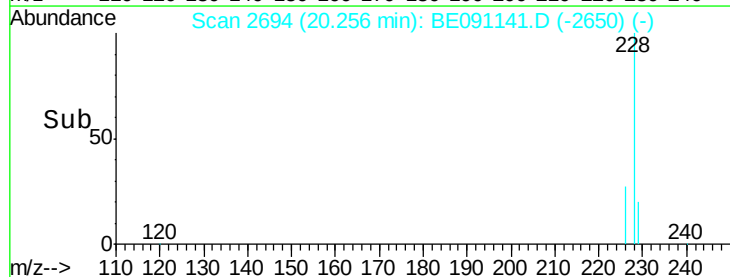
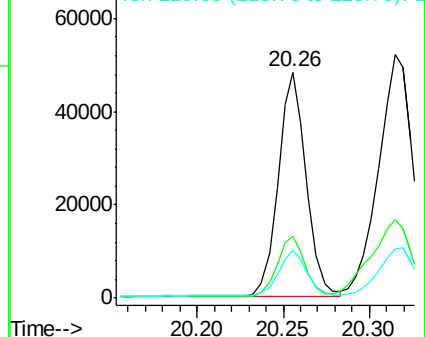
229 21.1 15.2 22.8

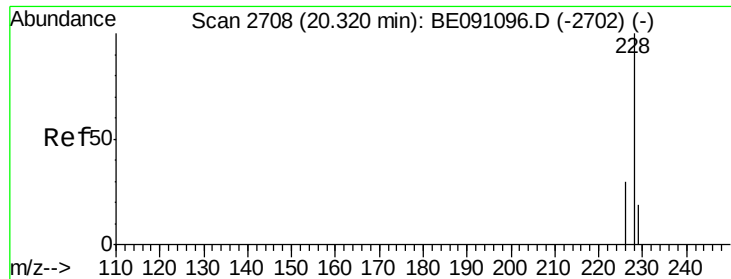


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.64 ng/ul

RT: 20.31 min Scan# 2707

Delta R.T. -0.00 min

Lab File: BE091141.D

Acq: 12 Nov 2015 12:41

Instrument :

BNA_E

ClientSampleId :

A4HS5

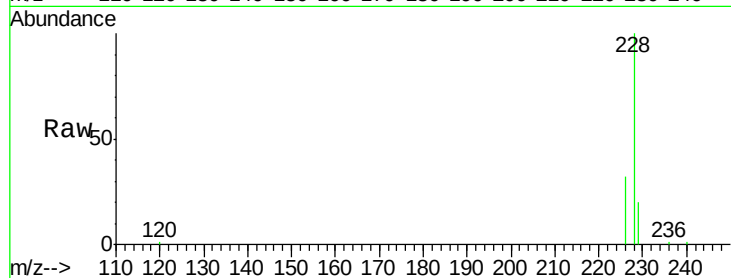
Tgt Ion:228 Resp: 72642

Ion Ratio Lower Upper

228 100

226 32.3 25.7 38.5

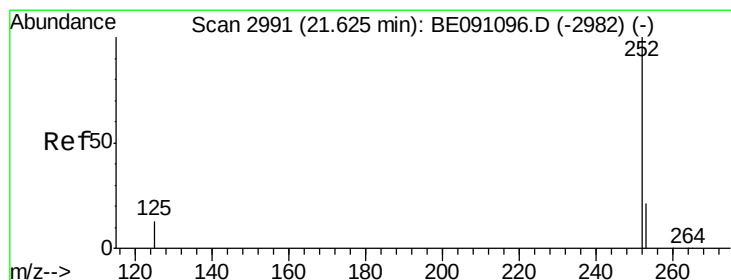
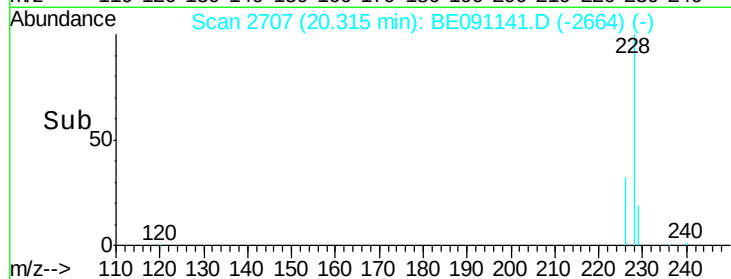
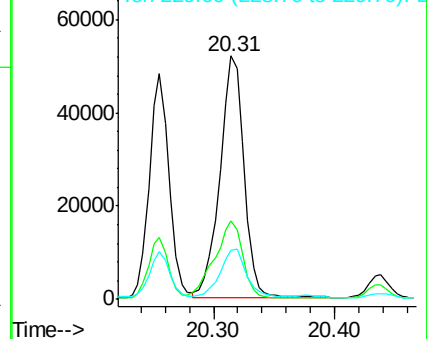
229 20.2 15.2 22.8



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: 0.46 ng/ul

RT: 21.63 min Scan# 2991

Delta R.T. 0.00 min

Lab File: BE091141.D

Acq: 12 Nov 2015 12:41

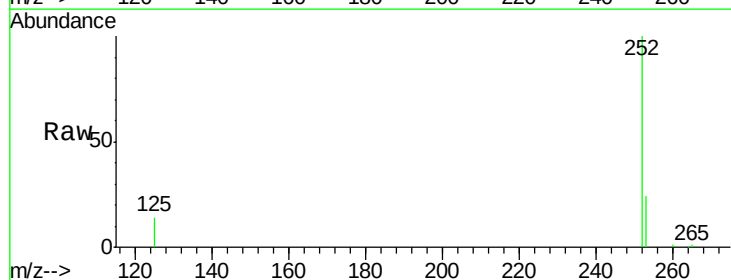
Tgt Ion:252 Resp: 61910

Ion Ratio Lower Upper

252 100

253 23.5 0.0 48.0

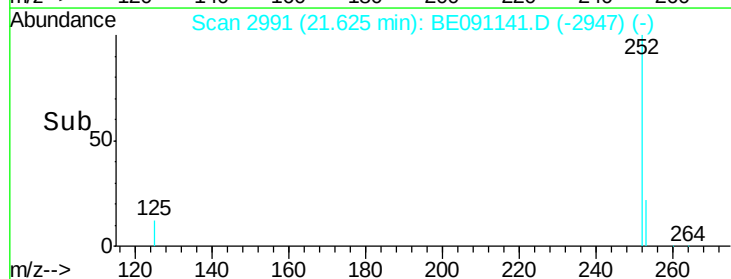
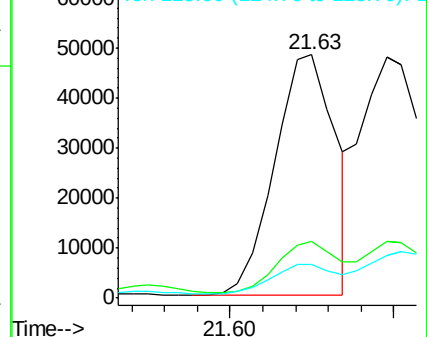
125 13.9 0.0 36.6

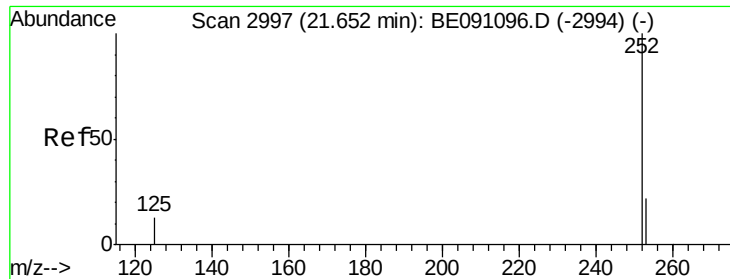


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.47 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BE091141.D

Acq: 12 Nov 2015 12:41

Instrument :

BNA_E

ClientSampleId :

A4HS5

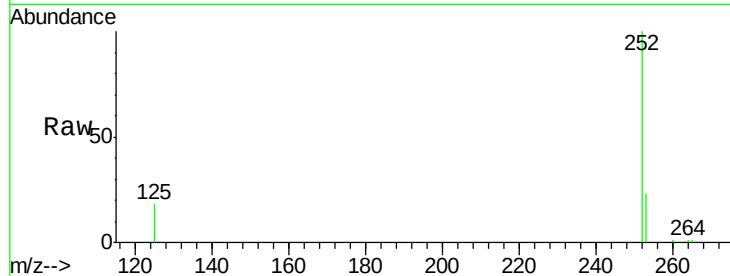
Tgt Ion:252 Resp: 65499

Ion Ratio Lower Upper

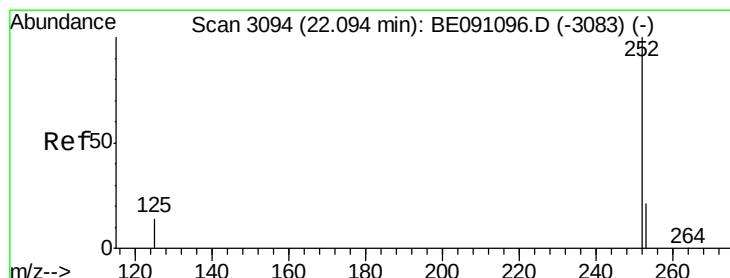
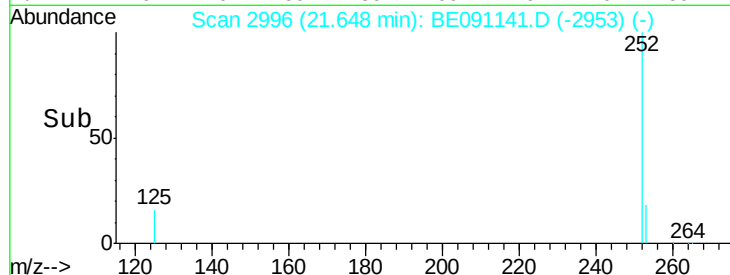
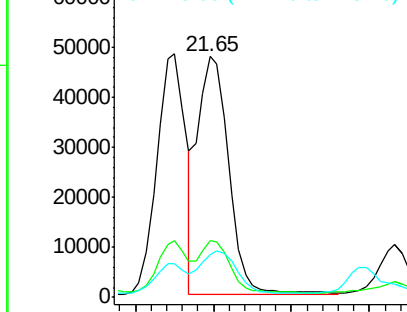
252 100

253 23.5 20.8 31.2

125 17.9 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



#25

Benzo(a)pyrene

Concen: 0.54 ng/ul

RT: 22.09 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BE091141.D

Acq: 12 Nov 2015 12:41

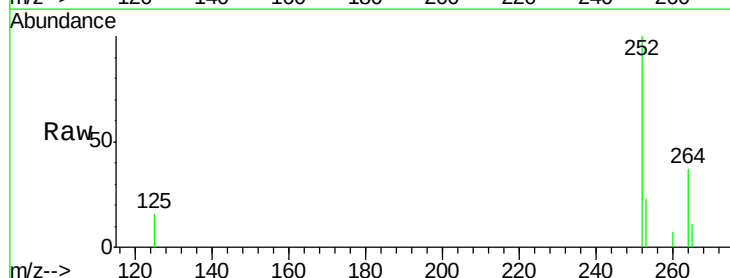
Tgt Ion:252 Resp: 66598

Ion Ratio Lower Upper

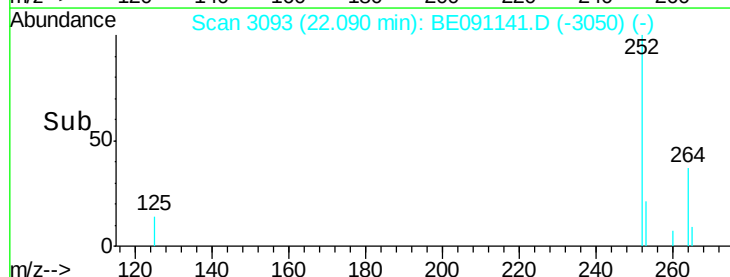
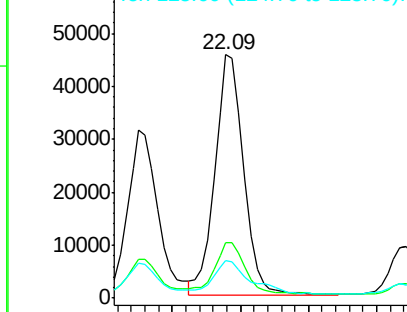
252 100

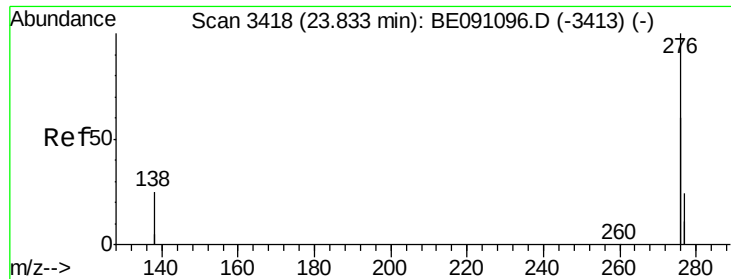
253 22.6 21.8 32.8

125 15.6 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





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.38 ng/ul

RT: 23.83 min Scan# 3417

Delta R.T. -0.01 min

Lab File: BE091141.D

Acq: 12 Nov 2015 12:41

Instrument :

BNA_E

ClientSampleId :

A4HS5

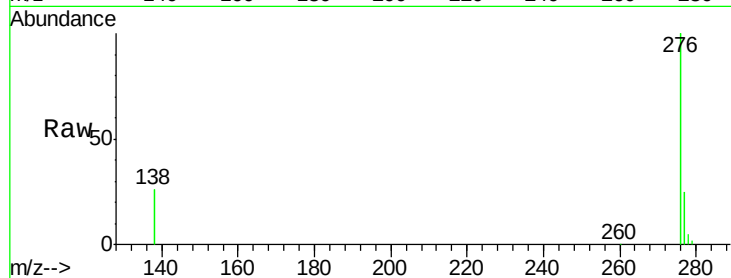
Tgt Ion:276 Resp: 197613

Ion Ratio Lower Upper

276 100

138 22.6 27.5 41.3#

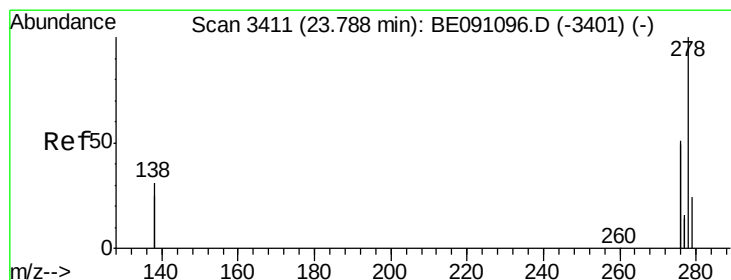
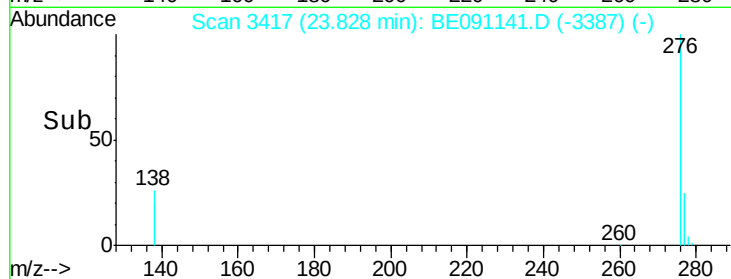
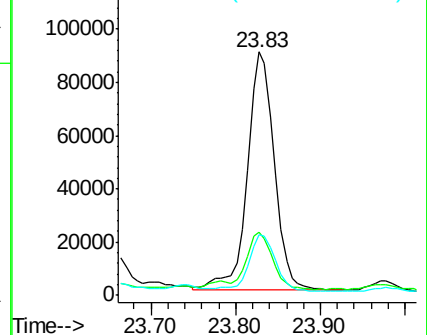
277 24.7 19.3 28.9



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: 0.09 ng/ul

RT: 23.78 min Scan# 3410

Delta R.T. -0.01 min

Lab File: BE091141.D

Acq: 12 Nov 2015 12:41

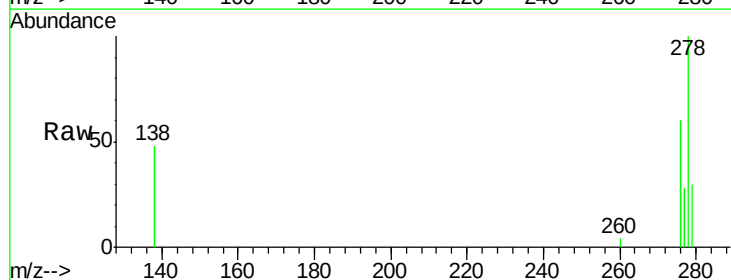
Tgt Ion:278 Resp: 10900

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

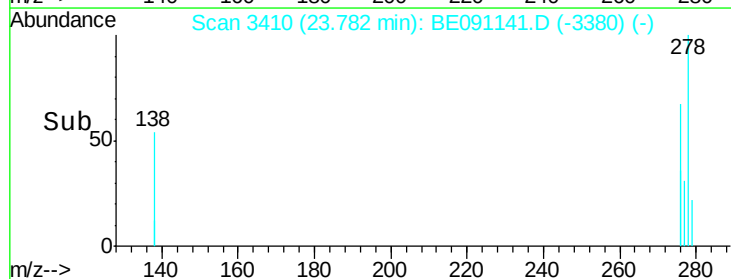
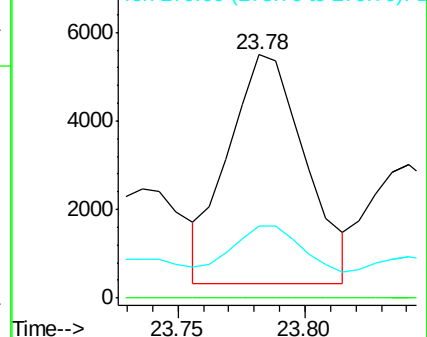
279 29.6 21.9 32.9

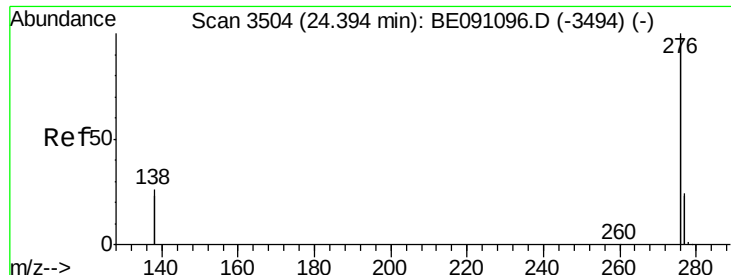


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.32 ng/ul

RT: 24.39 min Scan# 3504

Delta R.T. 0.00 min

Lab File: BE091141.D

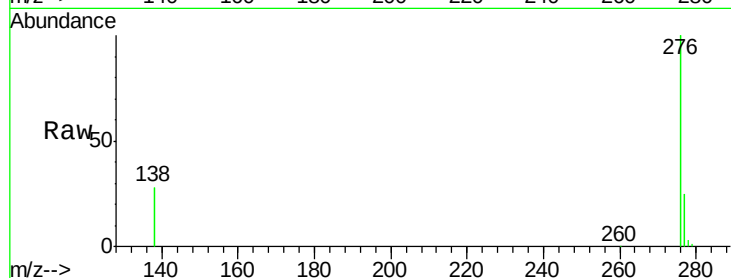
Acq: 12 Nov 2015 12:41

Instrument :

BNA_E

ClientSampleId :

A4HS5



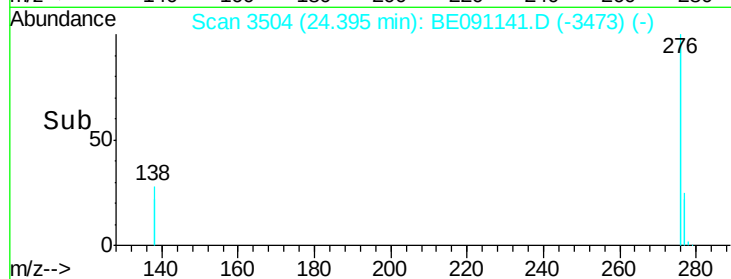
Tgt Ion: 276 Resp: 176356

Ion Ratio Lower Upper

276 100

277 25.3 21.3 31.9

138 28.3 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

