

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
 Data File : BE091136.D
 Acq On : 12 Nov 2015 9:39
 Operator : UM/NP
 Sample : G4322-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HS0

Quant Time: Nov 13 15:22:27 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	3115	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	17383	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	10287	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.22	188	605031	0.40	ng/ul	0.08
18) Chrysene-d12	20.28	240	36505	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	37710	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.93	96	9235	4.12	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	11.07	152	2854	0.12	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	7864	0.00	ng/ul	0.00

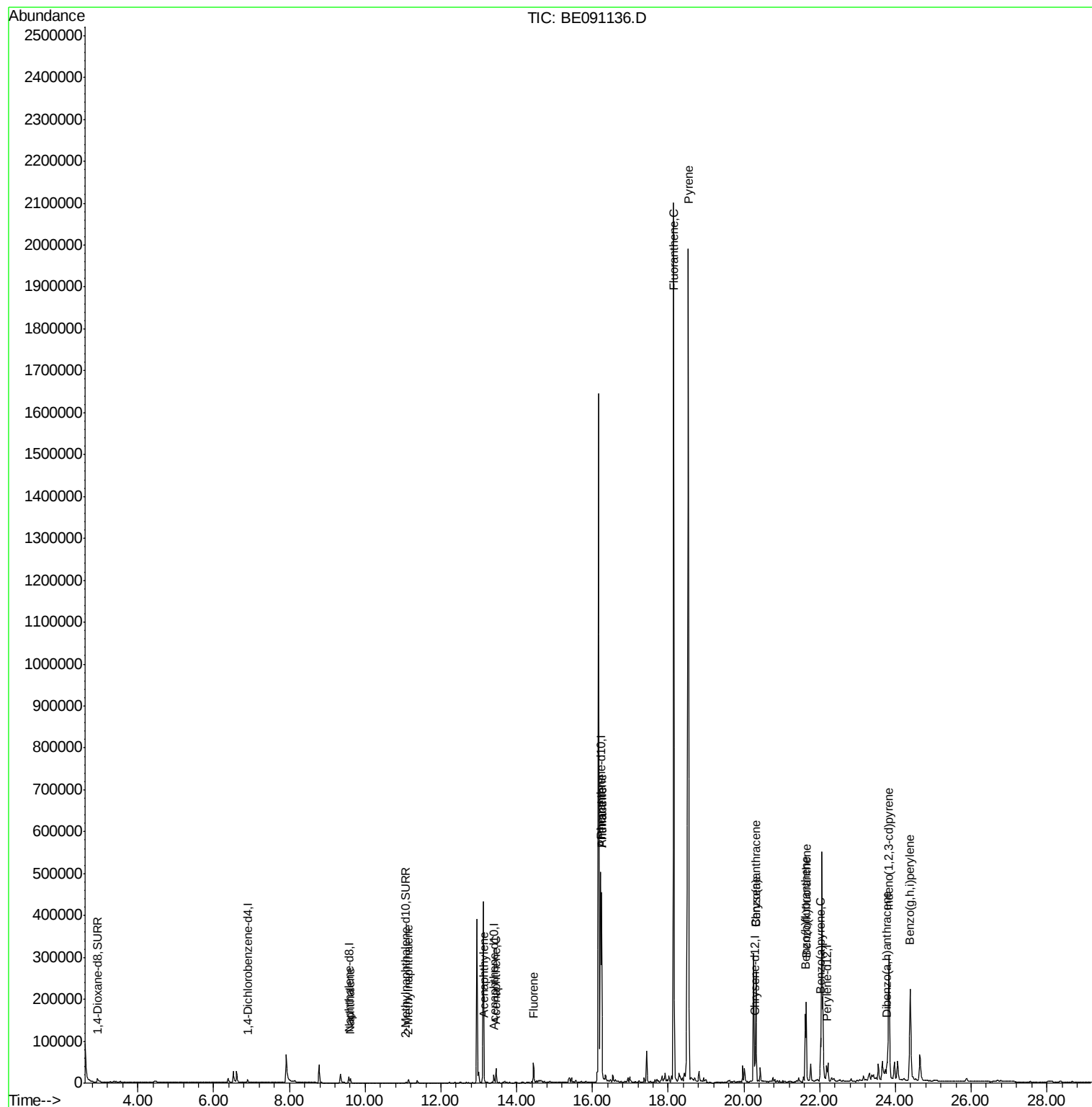
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	9.61	128	13327	0.31	ng/ul	99
7) 2-Methylnaphthalene	11.14	142	5599	0.20	ng/ul	96
9) Acenaphthylene	13.15	152	8065	0.16	ng/ul	98
10) Acenaphthene	13.46	153	18482	0.53	ng/ul	93
11) Fluorene	14.45	166	27377	0.61	ng/ul	93
14) Phenanthrene	16.25	178	446086	0.06	ng/ul	95
15) Anthracene	16.25	178	441640	0.07	ng/ul	96
17) Fluoranthene	18.15	202	2176804	0.27	ng/ul	90
19) Pyrene	18.53	202	1924804	4.64	ng/ul#	80
20) Benzo(a)anthracene	20.32	228	224065	2.39	ng/ul	96
21) Chrysene	20.32	228	225838	2.09	ng/ul	98
23) Benzo(b)fluoranthene	21.63	252	158238	1.34	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	176460	1.46	ng/ul	96
25) Benzo(a)pyrene	22.03	252	109644	1.01	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.83	276	447021	0.98	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.78	278	28893	0.27	ng/ul#	73
28) Benzo(g,h,i)perylene	24.39	276	358836	0.75	ng/ul	95

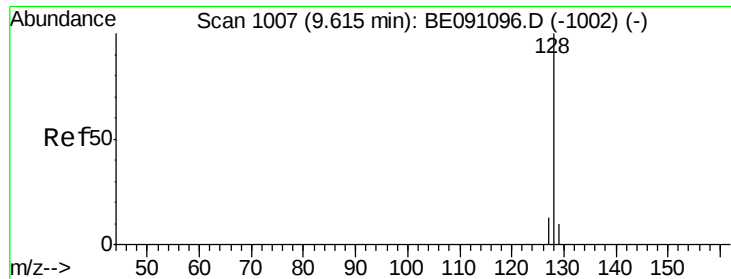
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 13 13:56:00 2015
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#5

Naphthalene

Concen: 0.31 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

Instrument :

BNA_E

ClientSampleId :

A4HS0

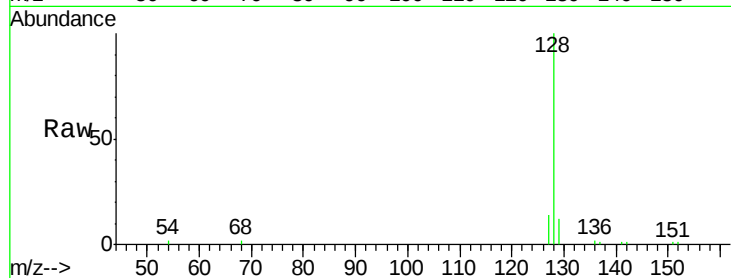
Tgt Ion:128 Resp: 13327

Ion Ratio Lower Upper

128 100

129 12.0 9.8 14.8

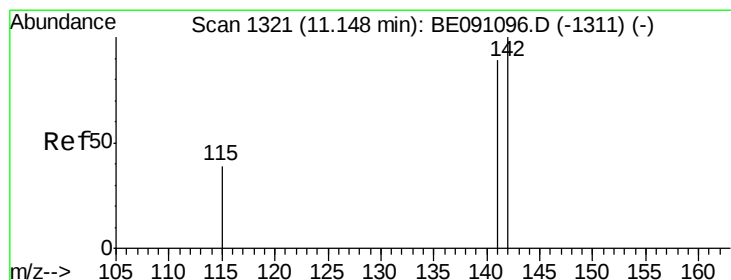
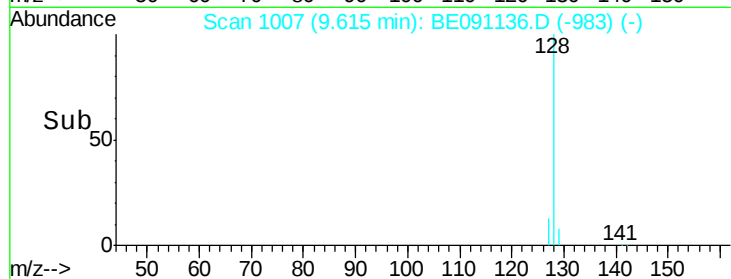
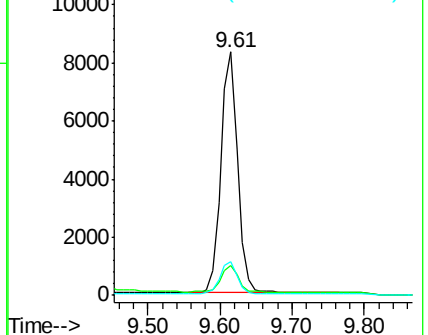
127 13.7 10.7 16.1



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



#7

2-Methylnaphthalene

Concen: 0.20 ng/ul

RT: 11.14 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BE091136.D

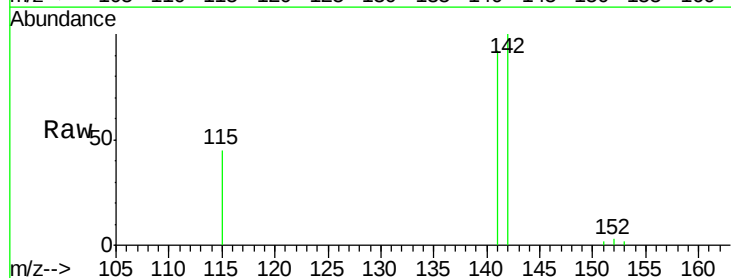
Acq: 12 Nov 2015 9:39

Tgt Ion:142 Resp: 5599

Ion Ratio Lower Upper

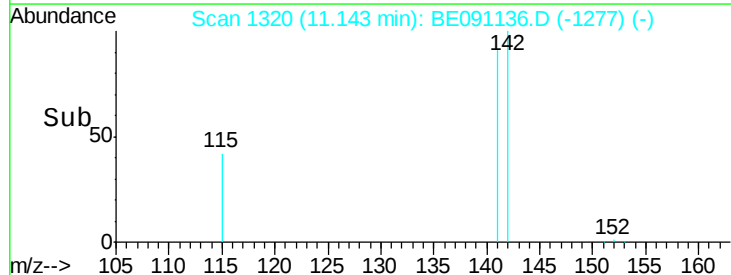
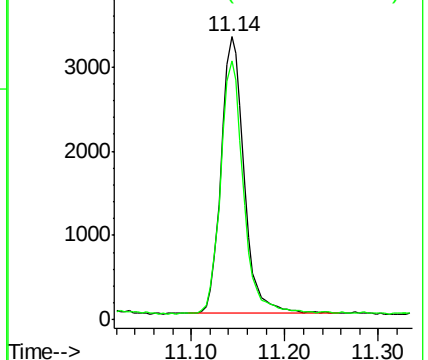
142 100

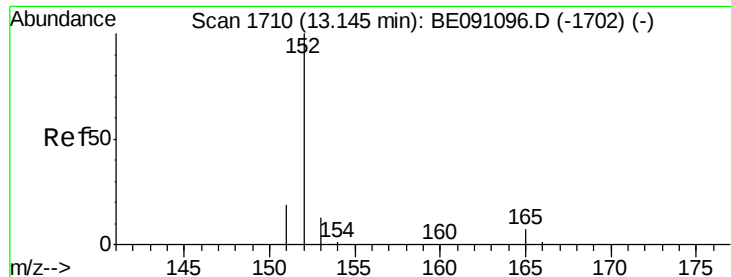
141 91.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.16 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

Instrument :

BNA_E

ClientSampleId :

A4HS0

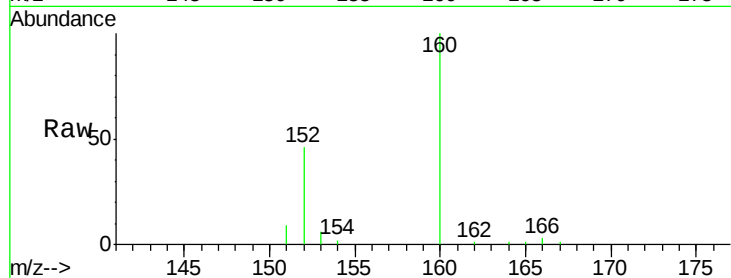
Tgt Ion:152 Resp: 8065

Ion Ratio Lower Upper

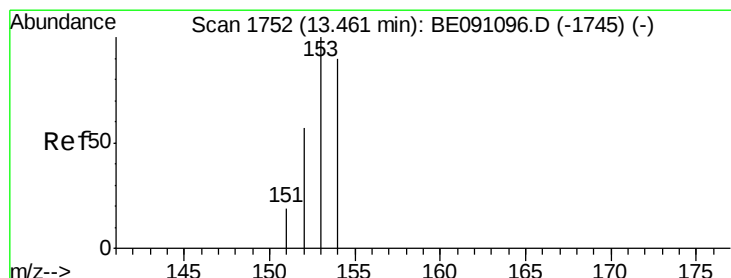
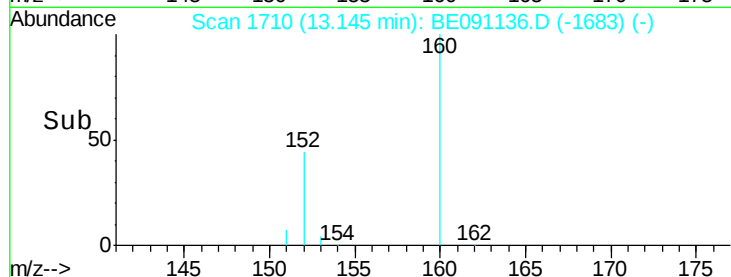
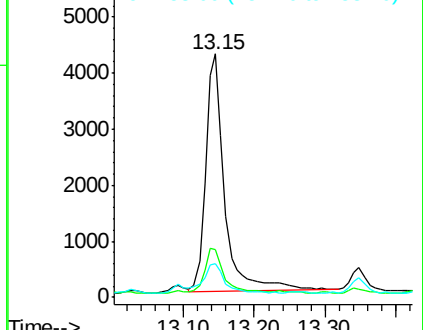
152 100

151 19.8 16.8 25.2

153 13.9 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



#10

Acenaphthene

Concen: 0.53 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

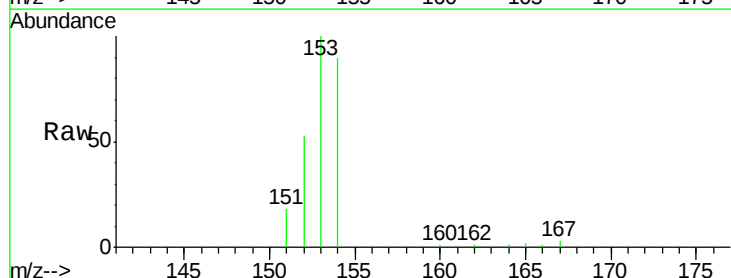
Tgt Ion:153 Resp: 18482

Ion Ratio Lower Upper

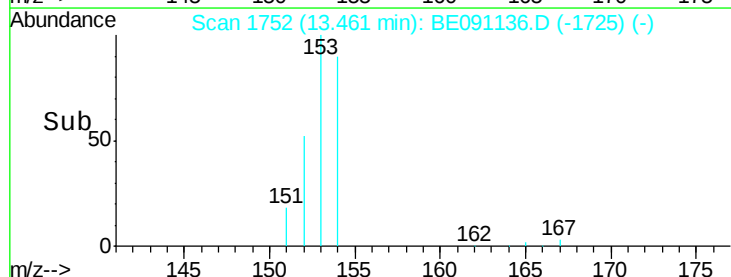
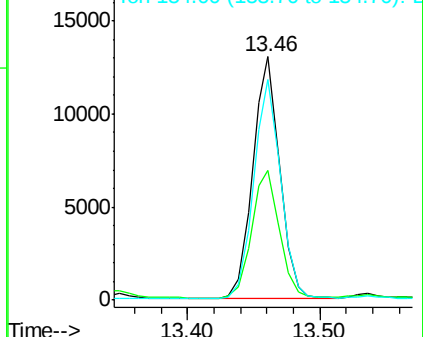
153 100

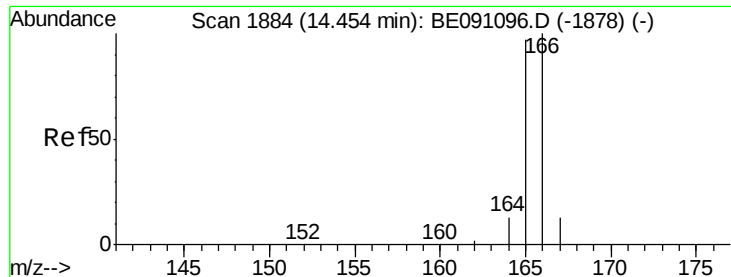
152 53.1 42.3 63.5

154 90.3 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: 0.61 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

Instrument :

BNA_E

ClientSampleId :

A4HS0

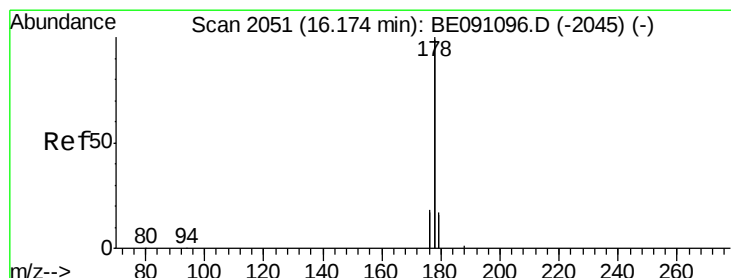
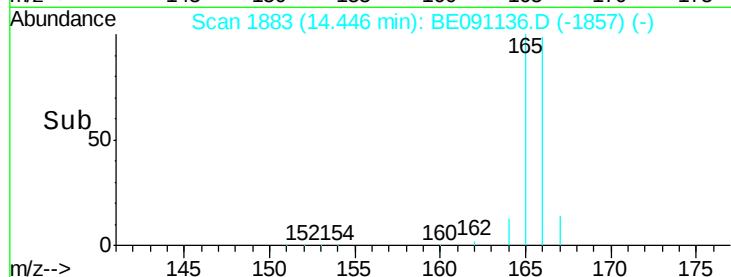
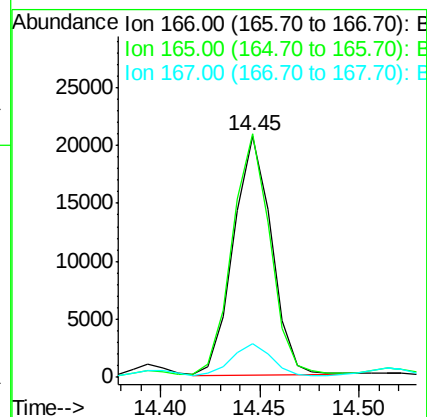
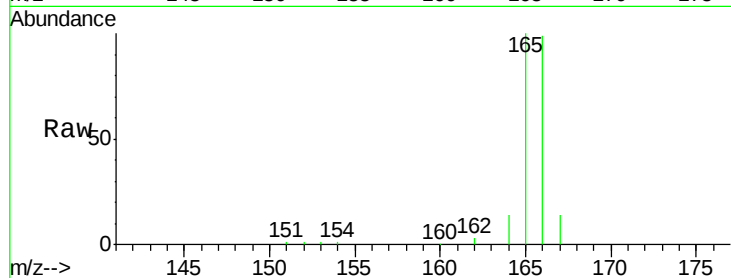
Tgt Ion:166 Resp: 27377

Ion Ratio Lower Upper

166 100

165 100.8 87.6 131.4

167 13.9 11.1 16.7



#14

Phenanthrene

Concen: 0.06 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. 0.07 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

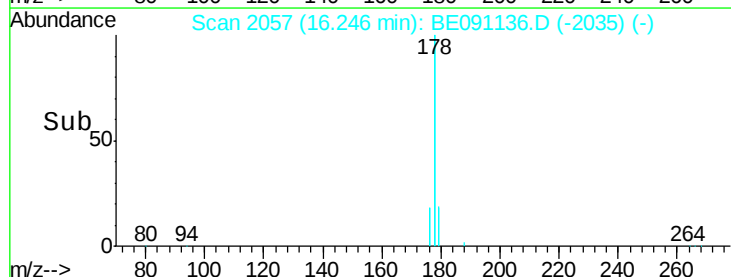
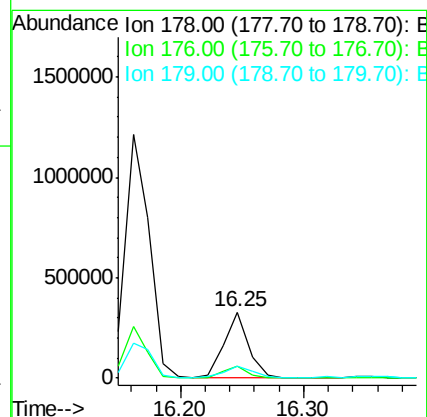
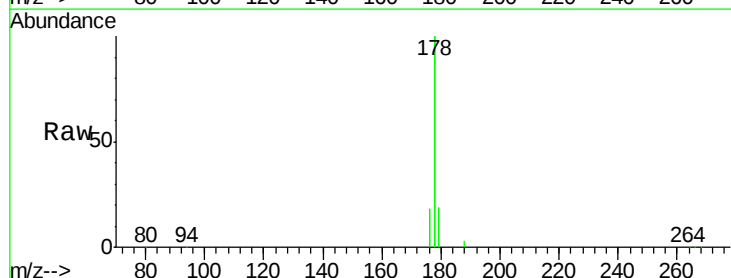
Tgt Ion:178 Resp: 446086

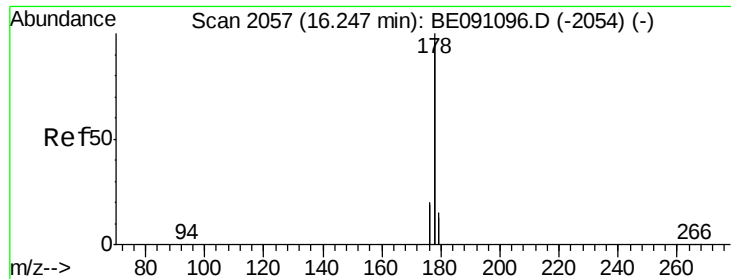
Ion Ratio Lower Upper

178 100

176 18.3 16.2 24.4

179 18.7 12.8 19.2





#15

Anthracene

Concen: 0.07 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

Instrument :

BNA_E

ClientSampleId :

A4HS0

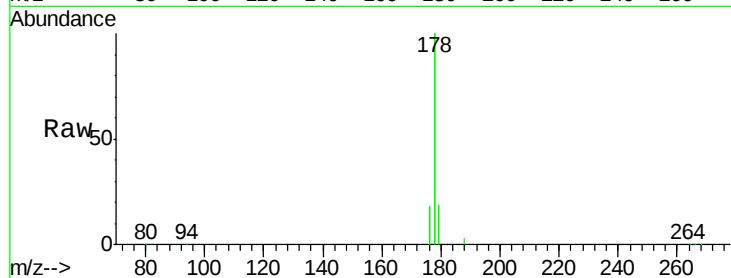
Tgt Ion:178 Resp: 441640

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

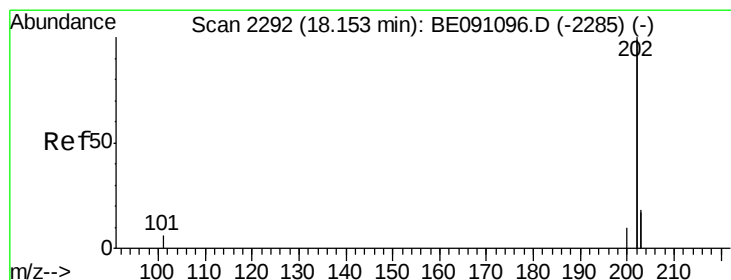
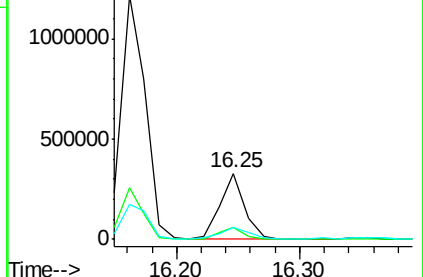
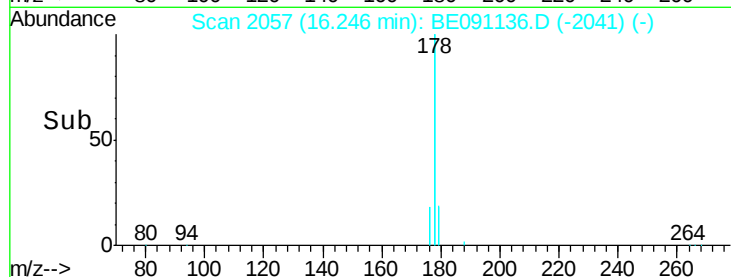
179 18.7 13.3 19.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#17

Fluoranthene

Concen: 0.27 ng/ul

RT: 18.15 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

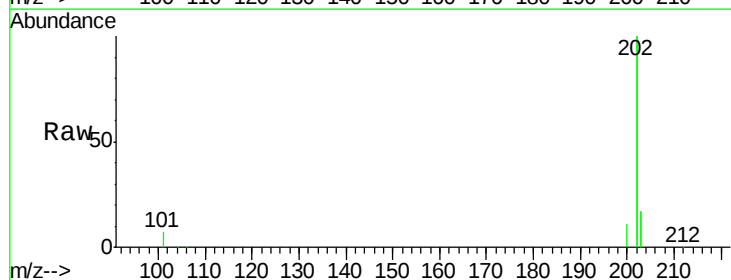
Tgt Ion:202 Resp: 2176804

Ion Ratio Lower Upper

202 100

101 3.7 0.0 33.1

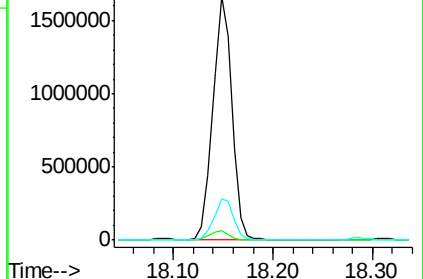
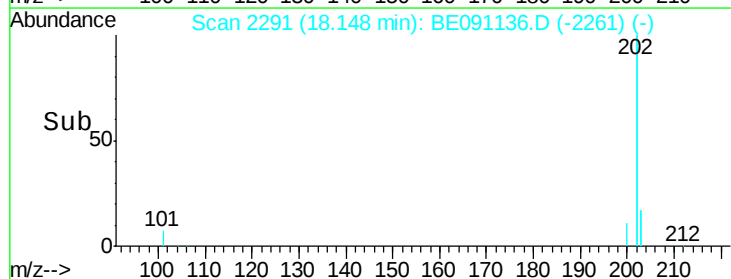
203 17.2 0.0 37.2

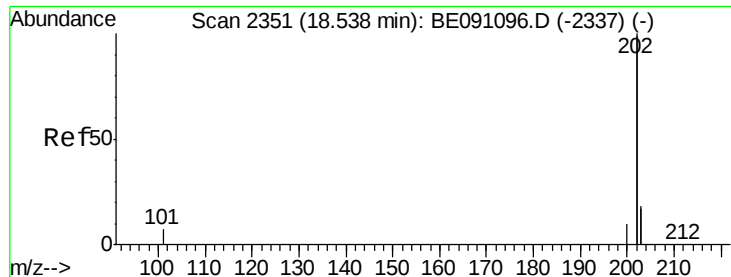


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 4.64 ng/ul

RT: 18.53 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

Instrument :

BNA_E

ClientSampleId :

A4HS0

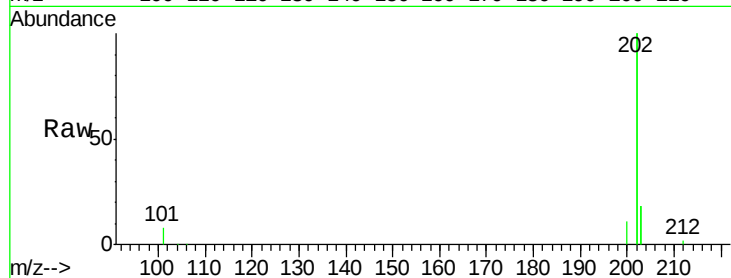
Tgt Ion:202 Resp: 1924804

Ion Ratio Lower Upper

202 100

200 5.5 18.0 27.0#

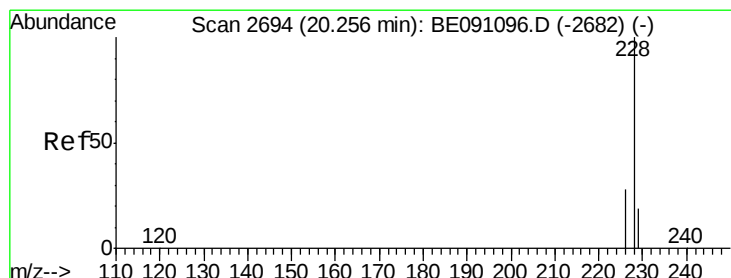
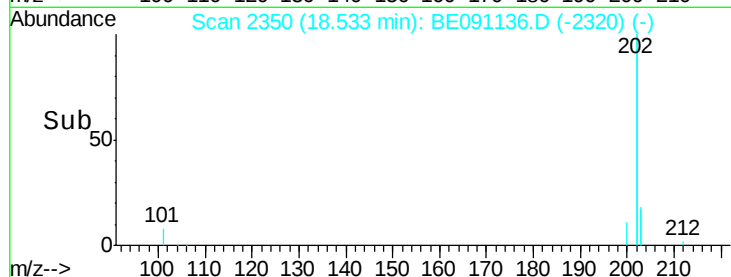
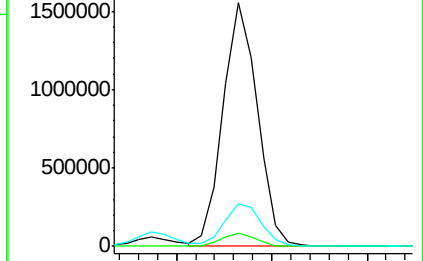
203 17.6 13.8 20.6



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: 2.39 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. 0.06 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

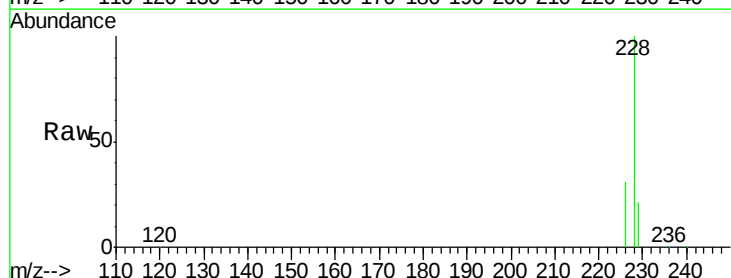
Tgt Ion:228 Resp: 224065

Ion Ratio Lower Upper

228 100

226 31.1 23.0 34.4

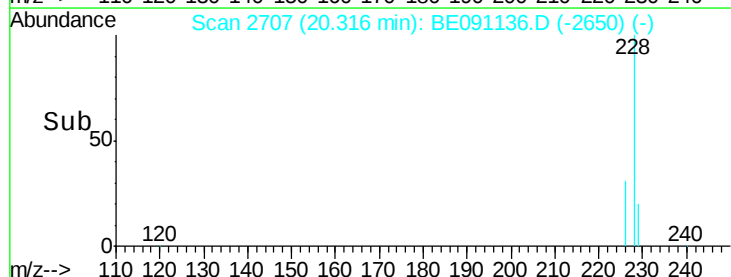
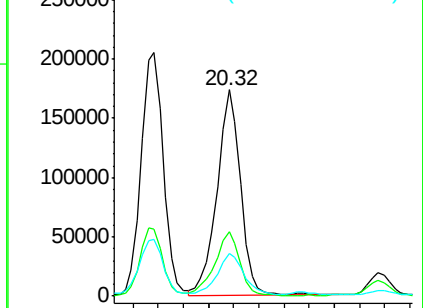
229 20.7 15.2 22.8

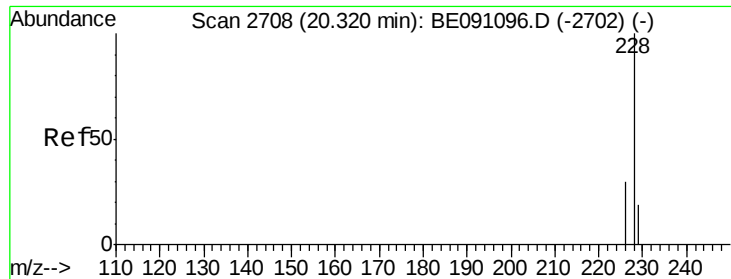


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 2.09 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. -0.00 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

Instrument :

BNA_E

ClientSampleId :

A4HS0

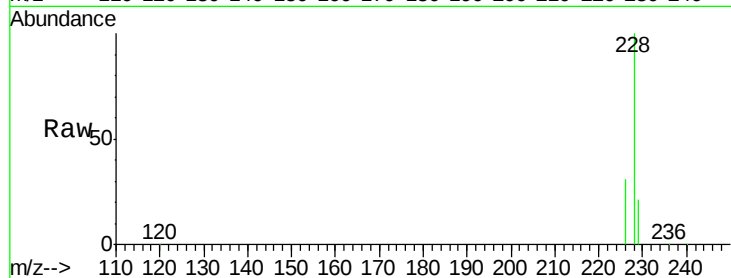
Tgt Ion:228 Resp: 225838

Ion Ratio Lower Upper

228 100

226 31.1 25.7 38.5

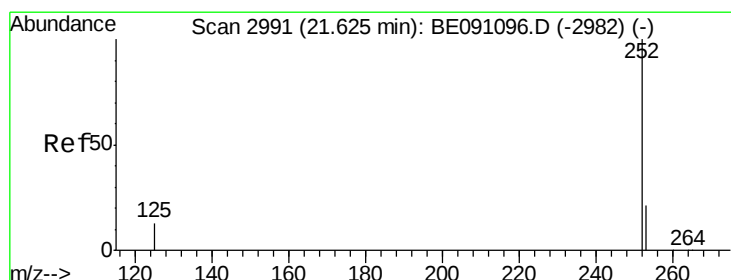
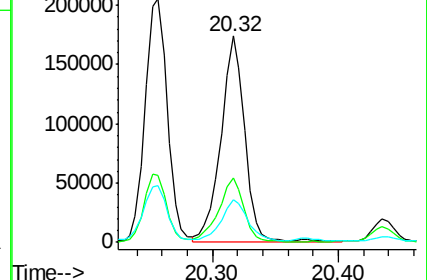
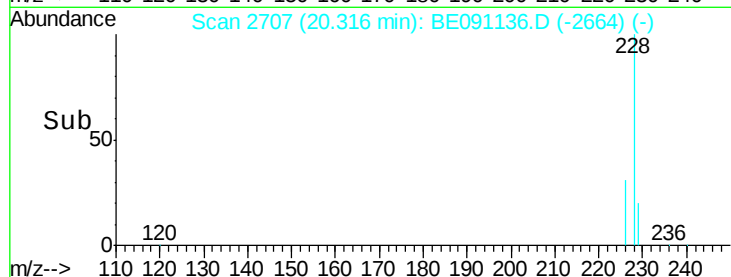
229 20.7 15.2 22.8



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: 1.34 ng/ul

RT: 21.63 min Scan# 2991

Delta R.T. 0.00 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

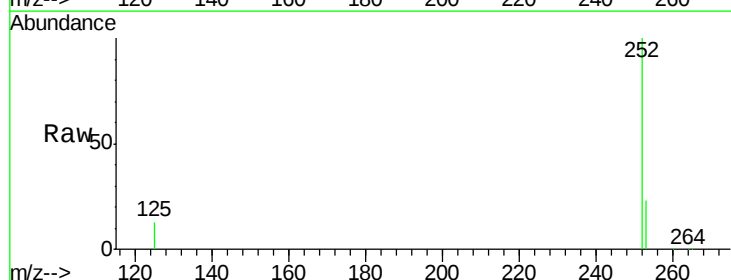
Tgt Ion:252 Resp: 158238

Ion Ratio Lower Upper

252 100

253 23.2 0.0 48.0

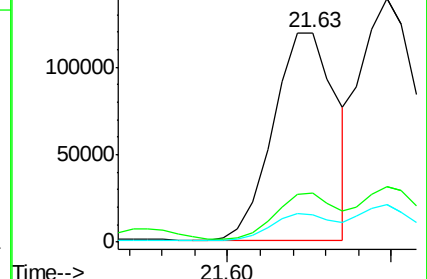
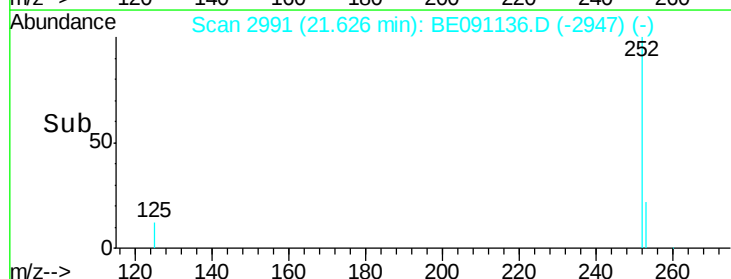
125 12.9 0.0 36.6

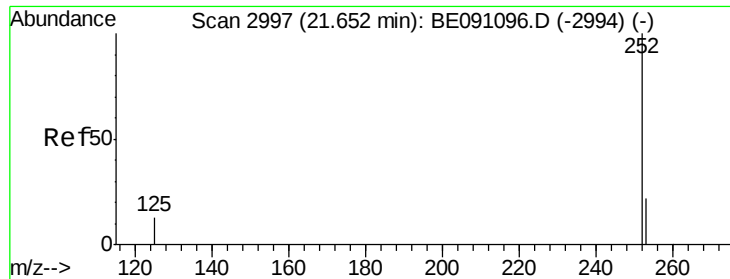


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 1.46 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

Instrument :

BNA_E

ClientSampleId :

A4HS0

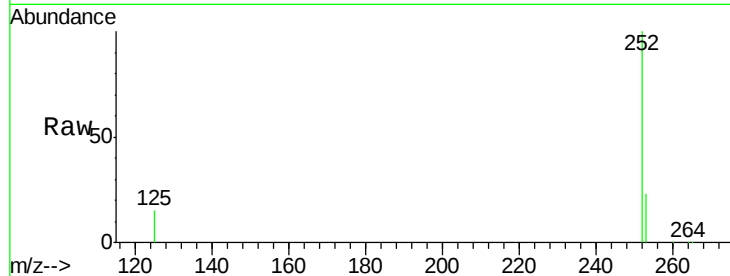
Tgt Ion:252 Resp: 176460

Ion Ratio Lower Upper

252 100

253 22.9 20.8 31.2

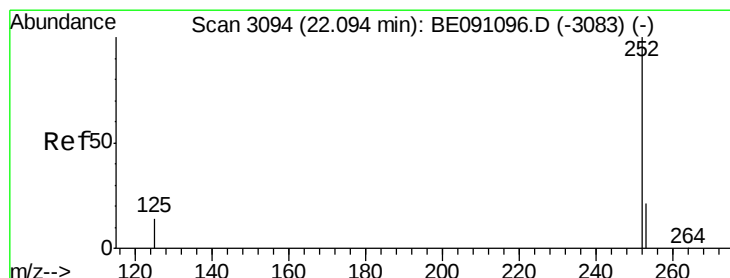
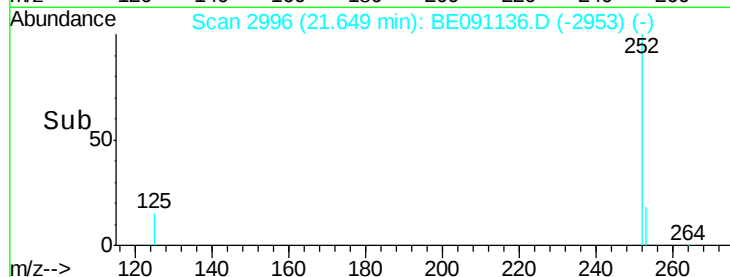
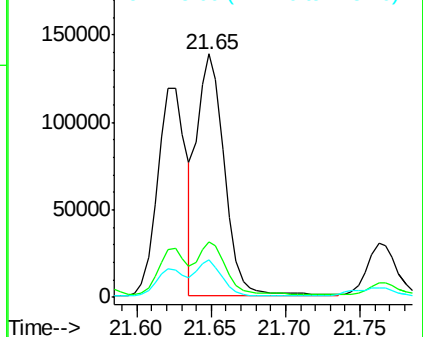
125 15.2 12.2 18.4



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: 1.01 ng/ul

RT: 22.03 min Scan# 3079

Delta R.T. -0.07 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

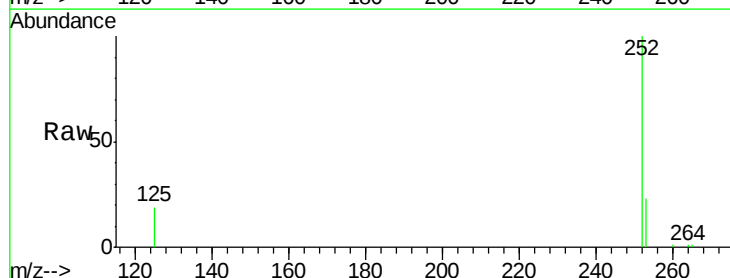
Tgt Ion:252 Resp: 109644

Ion Ratio Lower Upper

252 100

253 22.8 21.8 32.8

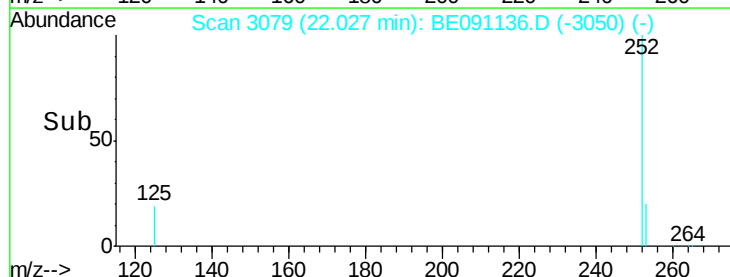
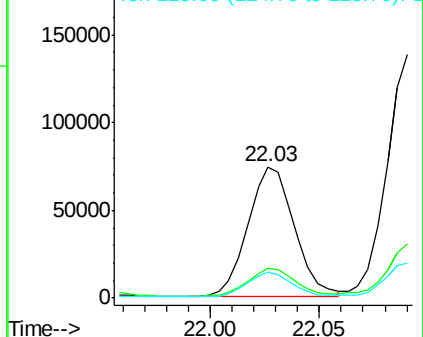
125 19.4 14.5 21.7

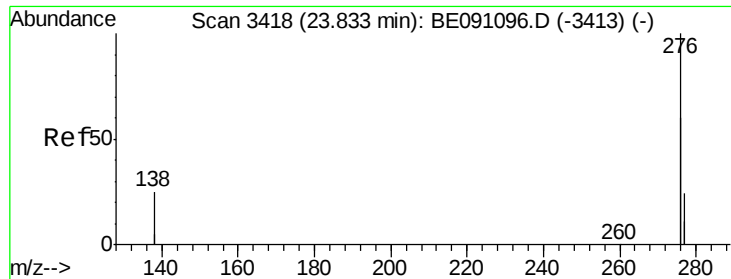


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.98 ng/ul

RT: 23.83 min Scan# 3416

Delta R.T. -0.01 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

Instrument :

BNA_E

ClientSampleId :

A4HS0

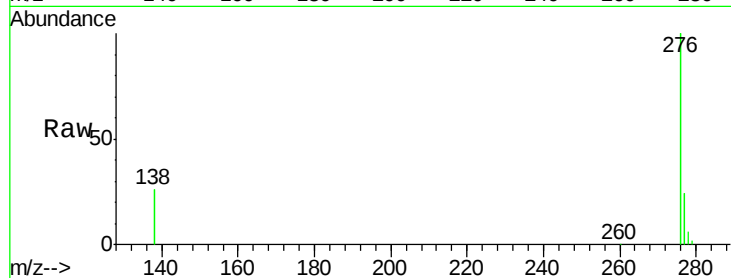
Tgt Ion:276 Resp: 447021

Ion Ratio Lower Upper

276 100

138 23.2 27.5 41.3#

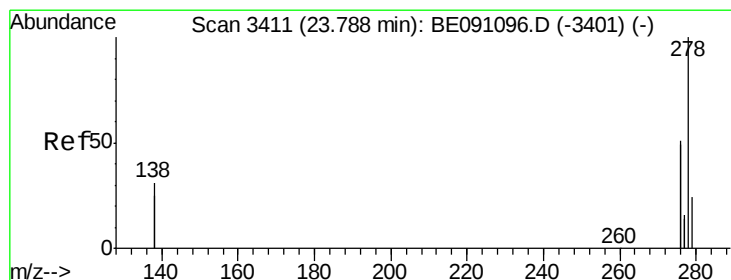
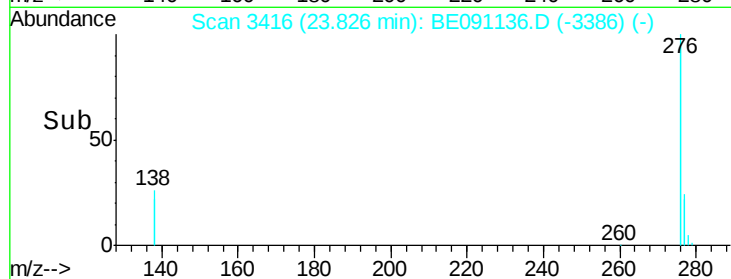
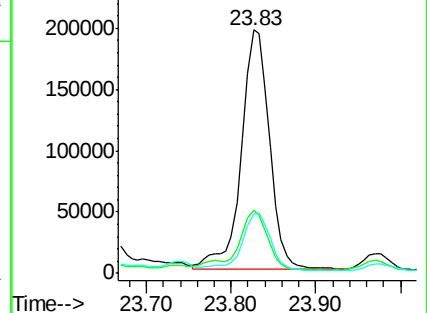
277 24.6 19.3 28.9



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: 0.27 ng/ul

RT: 23.78 min Scan# 3409

Delta R.T. -0.01 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

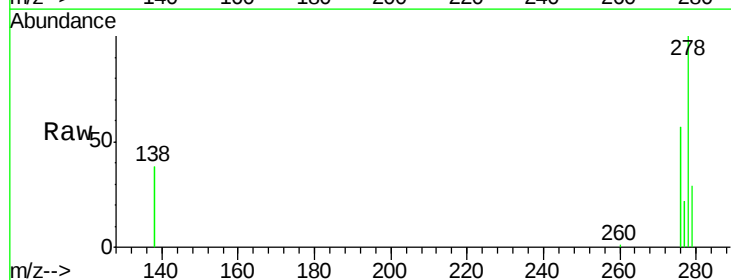
Tgt Ion:278 Resp: 28893

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

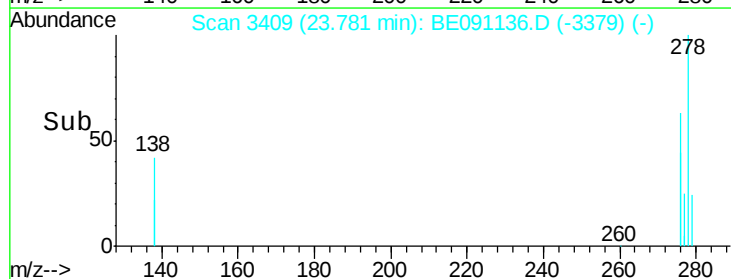
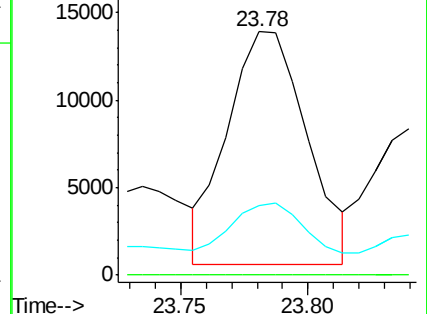
279 28.7 21.9 32.9

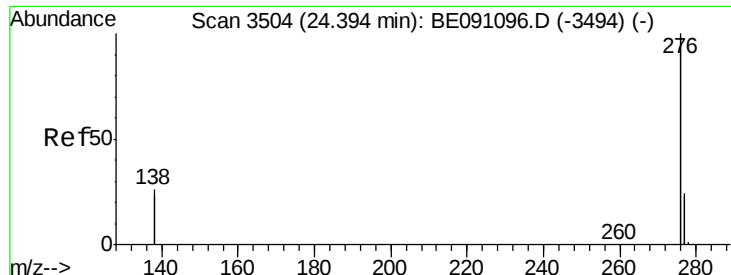


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.75 ng/ul

RT: 24.39 min Scan# 3503

Delta R.T. -0.00 min

Lab File: BE091136.D

Acq: 12 Nov 2015 9:39

Instrument :

BNA_E

ClientSampleId :

A4HS0

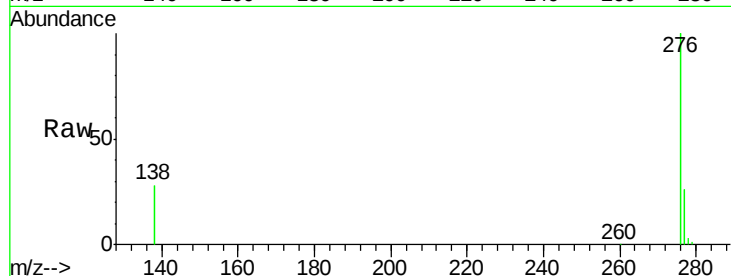
Tgt Ion: 276 Resp: 358836

Ion Ratio Lower Upper

276 100

277 25.7 21.3 31.9

138 27.7 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

