

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111515\
 Data File : BE091170.D
 Acq On : 15 Nov 2015 13:26
 Operator : UM/NP
 Sample : G4322-11DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HS2DL

Quant Time: Nov 16 04:56:17 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 : Mon Nov 16 04:54:02 2015
 Response via : Initial Calibration

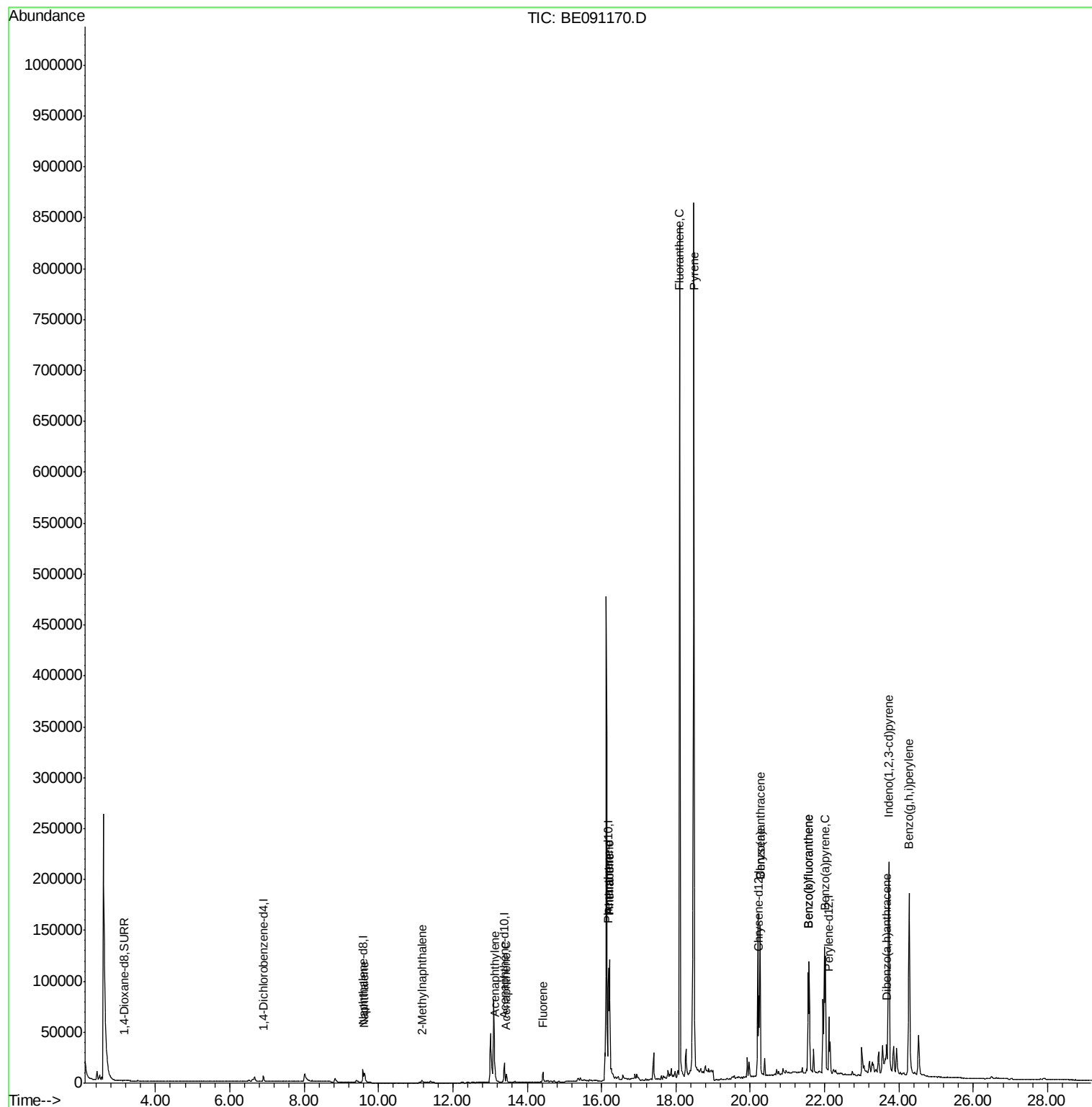
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	3802	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.58	136	19551	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.39	164	12273	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.19	188	133905	0.40	ng/ul	0.09
18) Chrysene-d12	20.23	240	62345	0.40	ng/ul	0.00
22) Perylene-d12	22.12	264	56074	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	1496	0.55	ng/uL	0.08
6) 2-Methylnaphthalene-d10	11.10	152	594	0.02	ng/ul	0.00
16) Fluoranthene-d10	18.21	212	61	0.00	ng/ul	0.13
Target Compounds				Qvalue		
5) Naphthalene	9.62	128	14031	0.29	ng/ul	99
7) 2-Methylnaphthalene	11.17	142	3597	0.11	ng/ul	99
9) Acenaphthylene	13.13	152	5526	0.09	ng/ul	98
10) Acenaphthene	13.44	153	5105	0.12	ng/ul	89
11) Fluorene	14.42	166	6835	0.13	ng/ul#	92
14) Phenanthrene	16.21	178	140826	0.09	ng/ul	97
15) Anthracene	16.21	178	141283	0.10	ng/ul	97
17) Fluoranthene	18.10	202	903813	0.50	ng/ul	89
19) Pyrene	18.49	202	901822	1.27	ng/ul#	77
20) Benzo(a)anthracene	20.26	228	136974	0.86	ng/ul	93
21) Chrysene	20.26	228	138706	0.75	ng/ul	97
23) Benzo(b)fluoranthene	21.56	252	94822	0.54	ng/ul	100
24) Benzo(k)fluoranthene	21.56	252	94822	0.53	ng/ul	95
25) Benzo(a)pyrene	22.02	252	120015	0.74	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.73	276	271725	0.40	ng/ul#	89
27) Dibenzo(a,h)anthracene	23.68	278	22847	0.14	ng/ul#	69
28) Benzo(g,h,i)perylene	24.28	276	289167	0.41	ng/ul	94

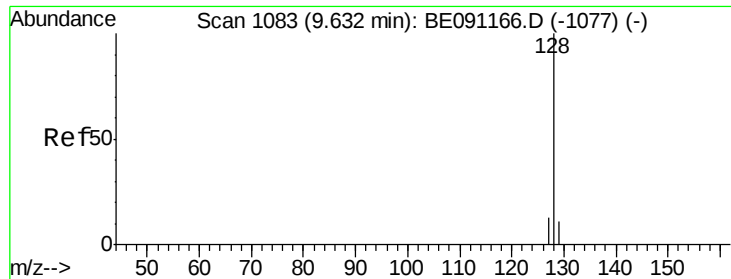
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 16 04:54:02 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.29 ng/ul

RT: 9.62 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BE091170.D

Acq: 15 Nov 2015 13:26

Instrument :

BNA_E

ClientSampleId :

A4HS2DL

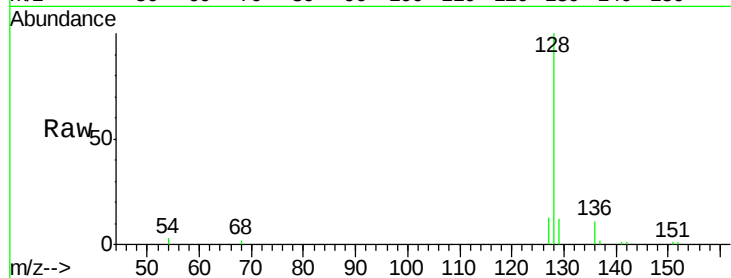
Tgt Ion:128 Resp: 14031

Ion Ratio Lower Upper

128 100

129 11.9 9.8 14.8

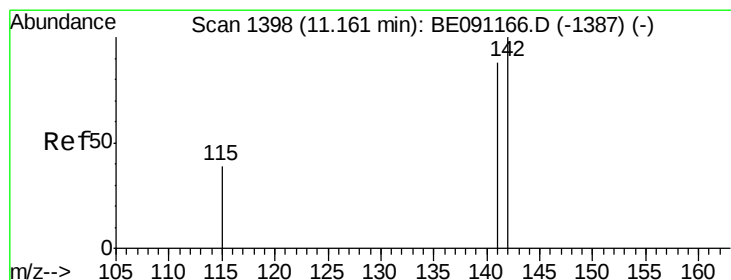
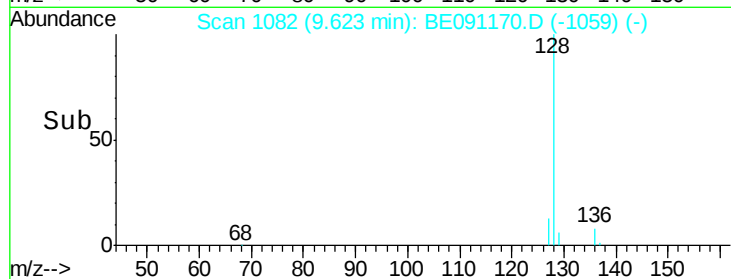
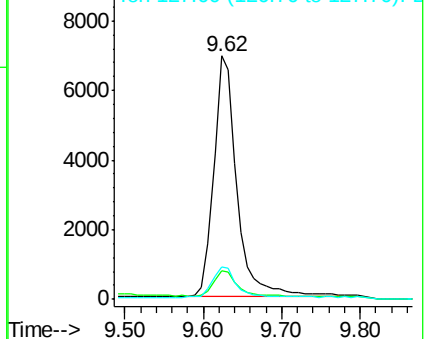
127 13.3 10.7 16.1



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



#7

2-Methylnaphthalene

Concen: 0.11 ng/ul

RT: 11.17 min Scan# 1400

Delta R.T. 0.01 min

Lab File: BE091170.D

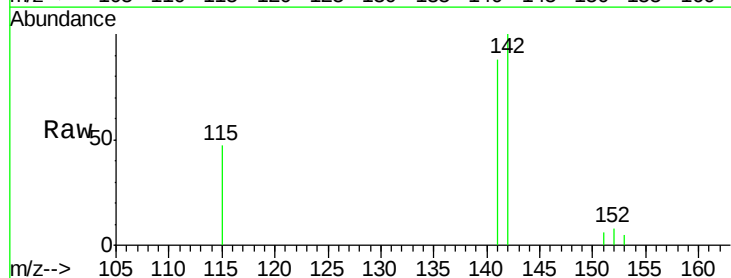
Acq: 15 Nov 2015 13:26

Tgt Ion:142 Resp: 3597

Ion Ratio Lower Upper

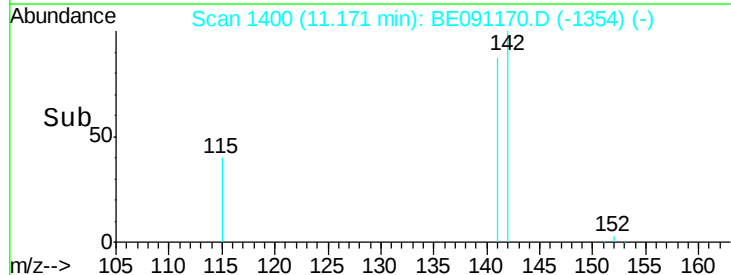
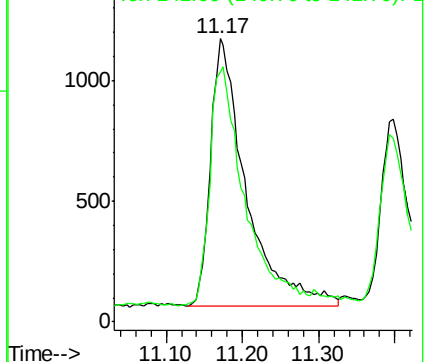
142 100

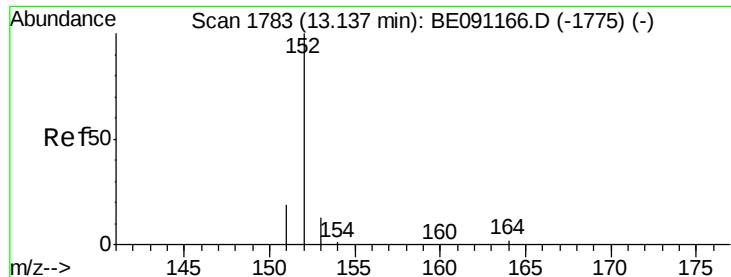
141 87.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.09 ng/ul

RT: 13.13 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BE091170.D

Acq: 15 Nov 2015 13:26

Instrument :

BNA_E

ClientSampleId :

A4HS2DL

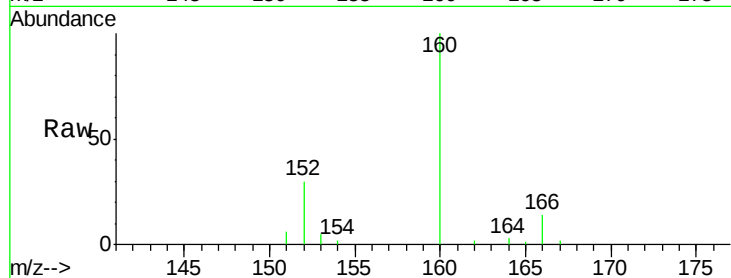
Tgt Ion:152 Resp: 5526

Ion Ratio Lower Upper

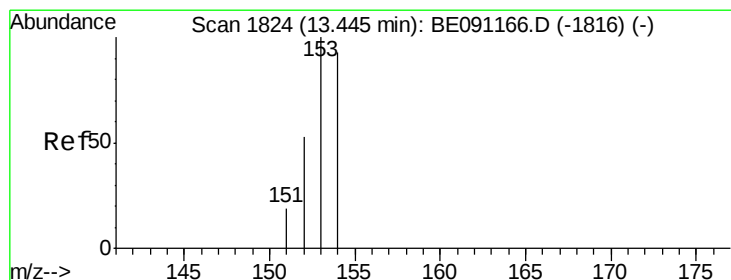
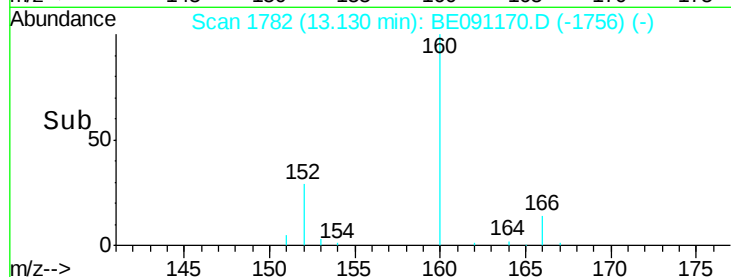
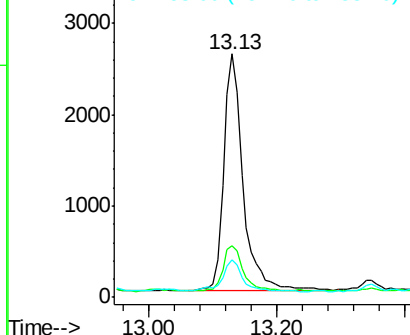
152 100

151 21.3 16.8 25.2

153 15.5 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: 0.12 ng/ul

RT: 13.44 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BE091170.D

Acq: 15 Nov 2015 13:26

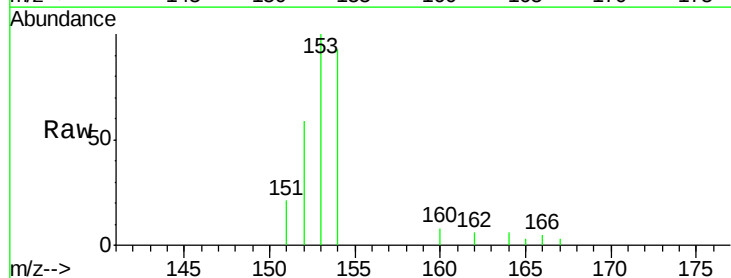
Tgt Ion:153 Resp: 5105

Ion Ratio Lower Upper

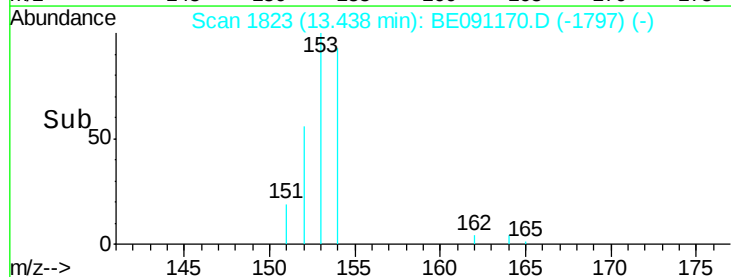
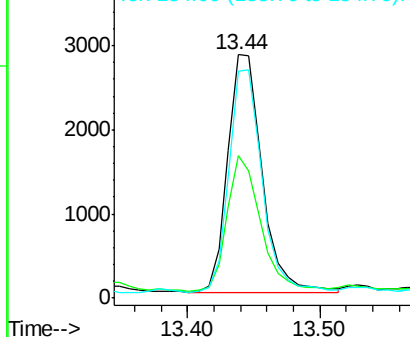
153 100

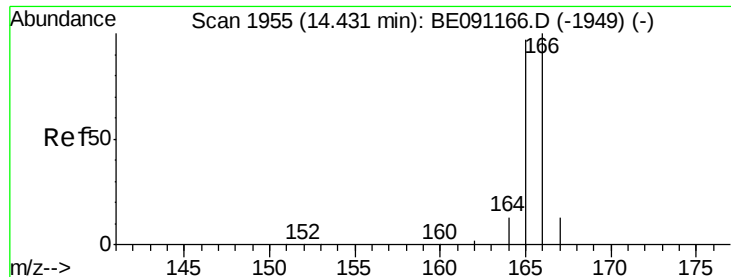
152 58.5 42.3 63.5

154 93.0 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: 0.13 ng/ul

RT: 14.42 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BE091170.D

Acq: 15 Nov 2015 13:26

Instrument :

BNA_E

ClientSampleId :

A4HS2DL

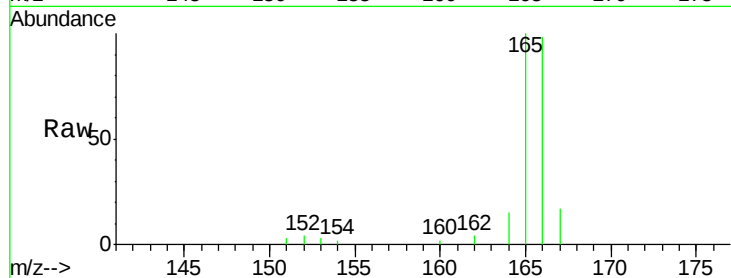
Tgt Ion:166 Resp: 6835

Ion Ratio Lower Upper

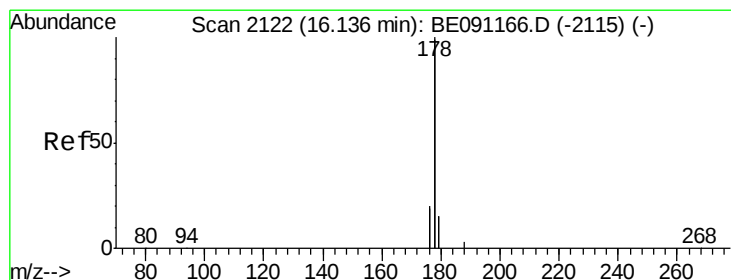
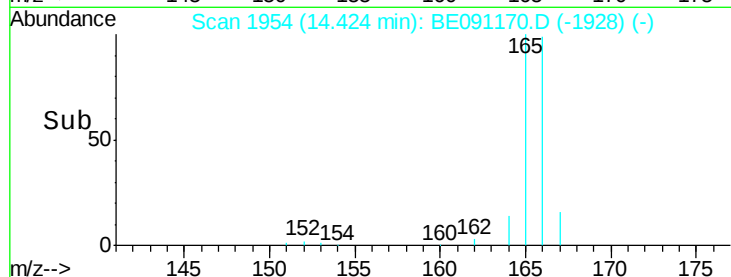
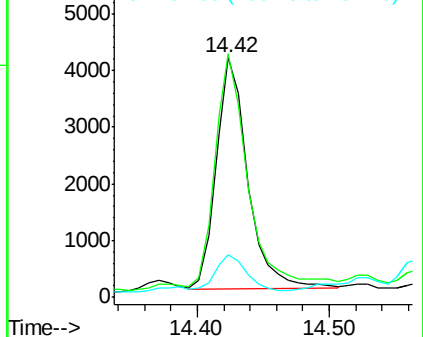
166 100

165 101.7 87.6 131.4

167 17.6 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



#14

Phenanthrene

Concen: 0.09 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. 0.07 min

Lab File: BE091170.D

Acq: 15 Nov 2015 13:26

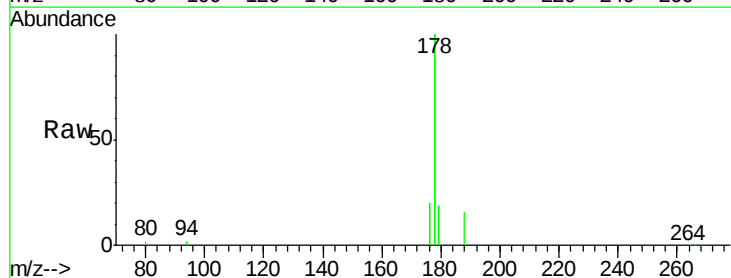
Tgt Ion:178 Resp: 140826

Ion Ratio Lower Upper

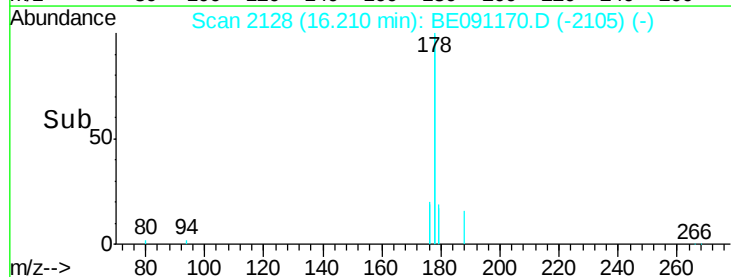
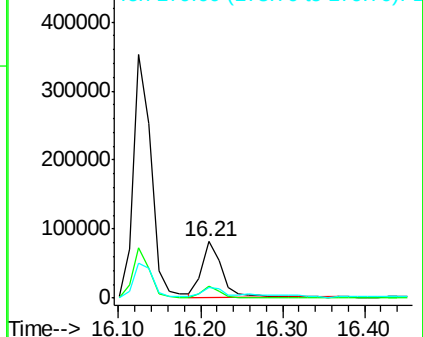
178 100

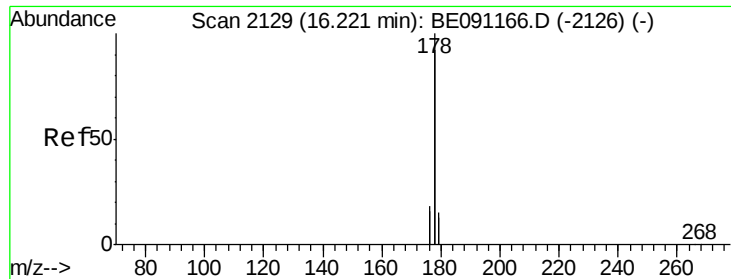
176 20.3 16.2 24.4

179 18.7 12.8 19.2



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





#15

Anthracene

Concen: 0.10 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BE091170.D

Acq: 15 Nov 2015 13:26

Instrument :

BNA_E

ClientSampleId :

A4HS2DL

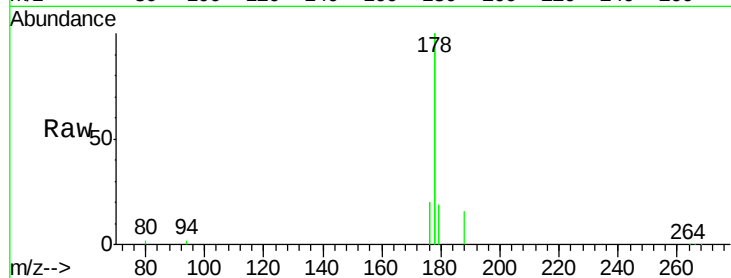
Tgt Ion:178 Resp: 141283

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

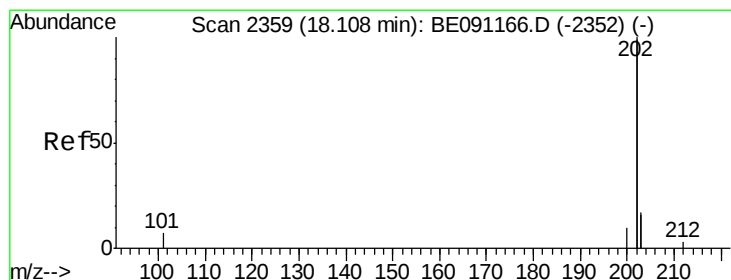
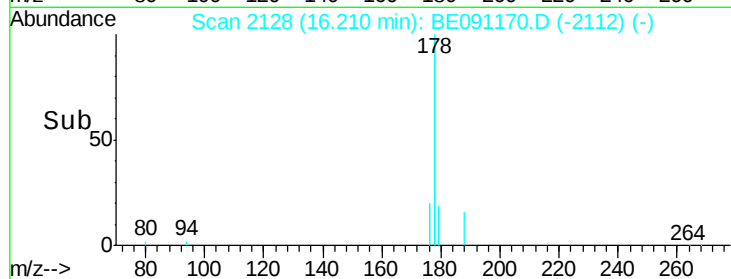
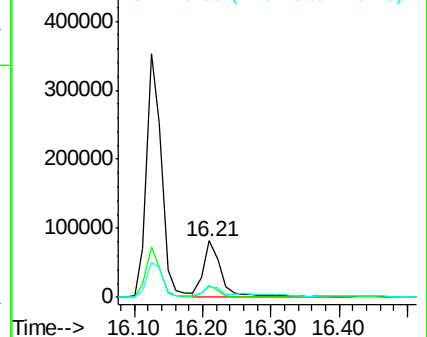
179 18.7 13.3 19.9



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: 0.50 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. -0.00 min

Lab File: BE091170.D

Acq: 15 Nov 2015 13:26

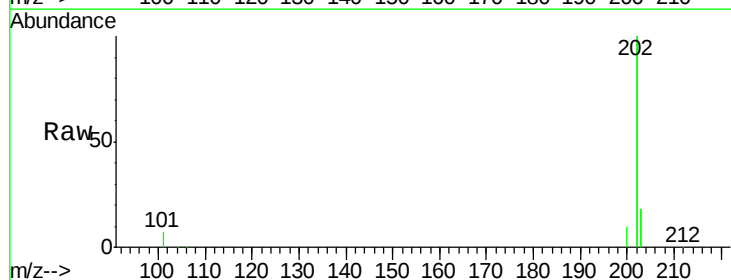
Tgt Ion:202 Resp: 903813

Ion Ratio Lower Upper

202 100

101 3.4 0.0 33.1

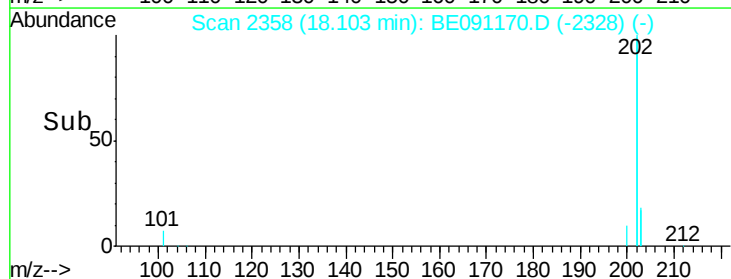
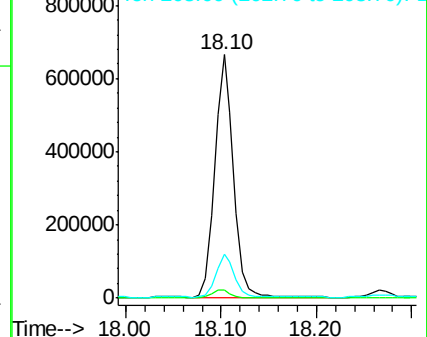
203 17.9 0.0 37.2

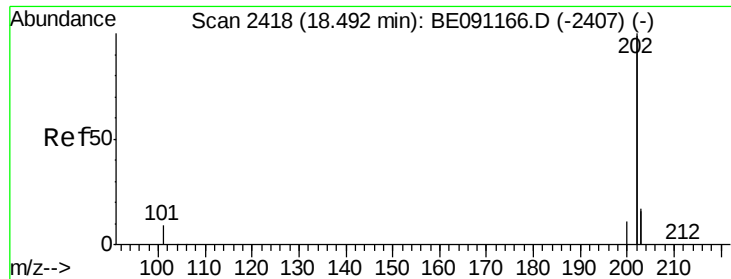


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 1.27 ng/ul

RT: 18.49 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BE091170.D

Acq: 15 Nov 2015 13:26

Instrument :

BNA_E

ClientSampleId :

A4HS2DL

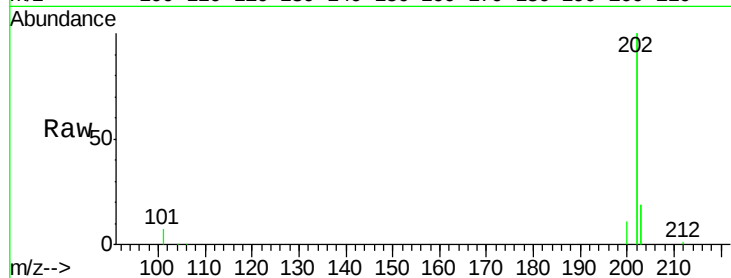
Tgt Ion:202 Resp: 901822

Ion Ratio Lower Upper

202 100

200 5.3 18.0 27.0#

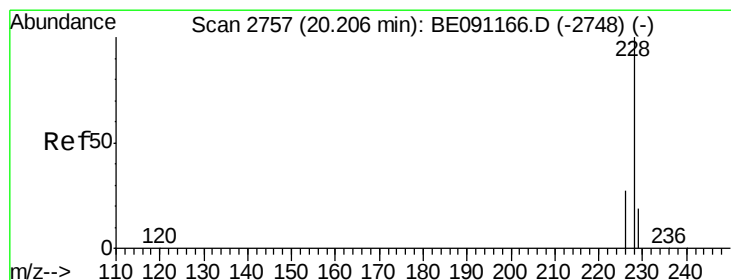
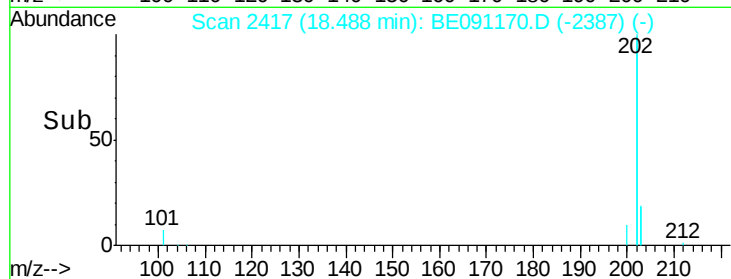
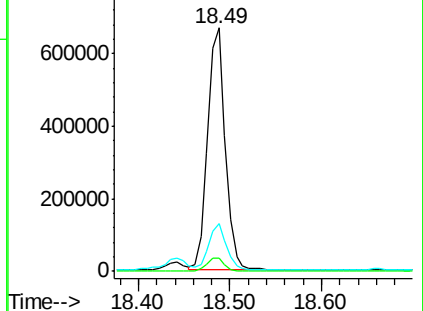
203 19.4 13.8 20.6



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: 0.86 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.06 min

Lab File: BE091170.D

Acq: 15 Nov 2015 13:26

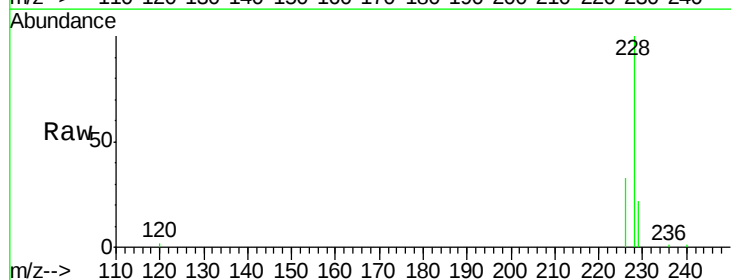
Tgt Ion:228 Resp: 136974

Ion Ratio Lower Upper

228 100

226 32.8 23.0 34.4

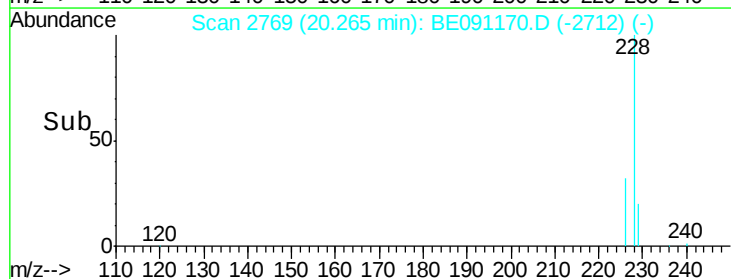
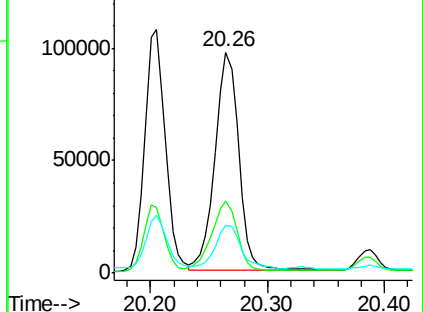
229 21.7 15.2 22.8

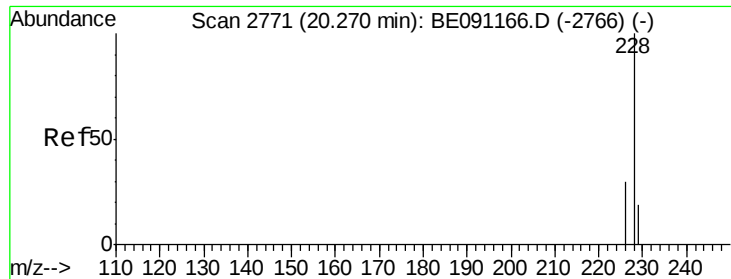


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.75 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. -0.01 min

Lab File: BE091170.D

Acq: 15 Nov 2015 13:26

Instrument :

BNA_E

ClientSampleId :

A4HS2DL

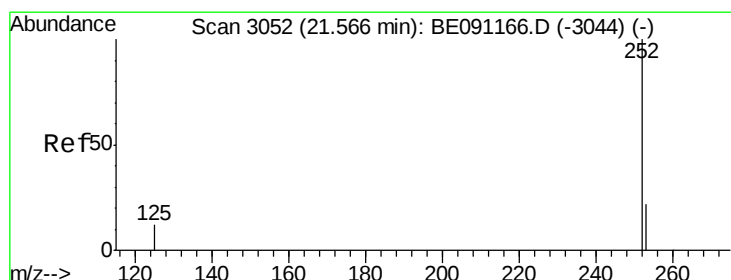
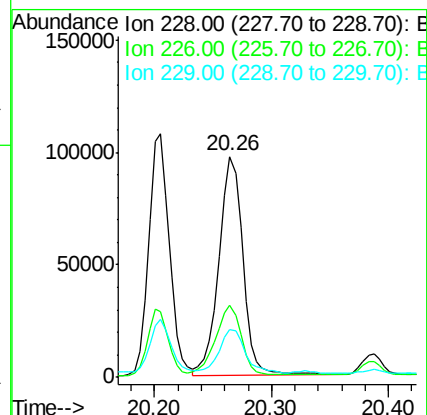
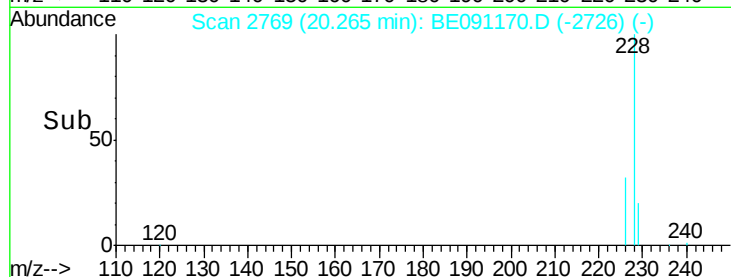
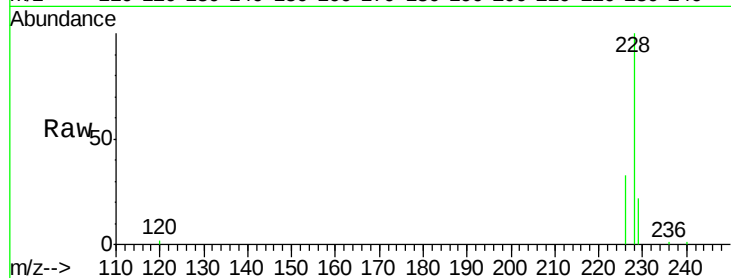
Tgt Ion:228 Resp: 138706

Ion Ratio Lower Upper

228 100

226 32.8 25.7 38.5

229 21.7 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.54 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. -0.01 min

Lab File: BE091170.D

Acq: 15 Nov 2015 13:26

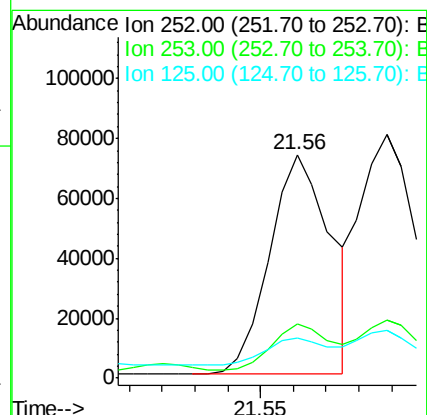
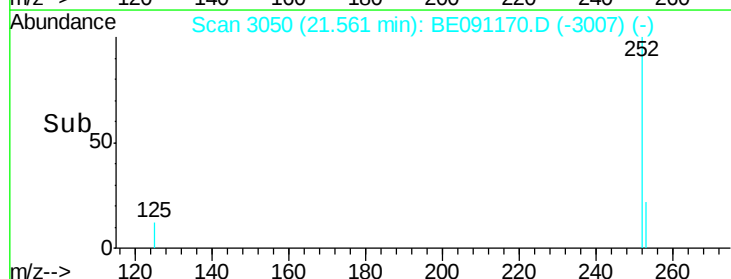
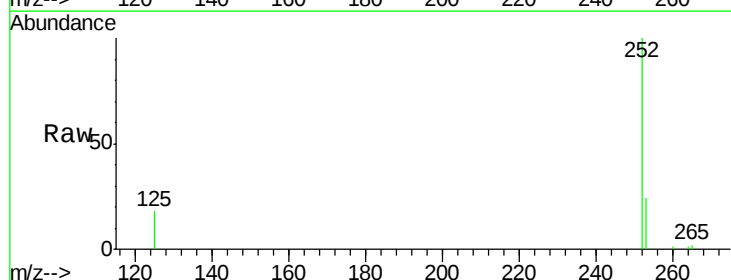
Tgt Ion:252 Resp: 94822

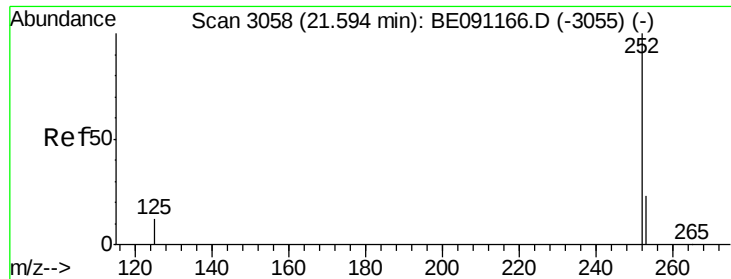
Ion Ratio Lower Upper

252 100

253 24.0 0.0 48.0

125 17.9 0.0 36.6

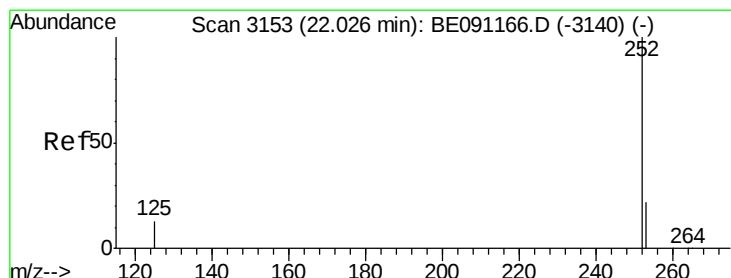
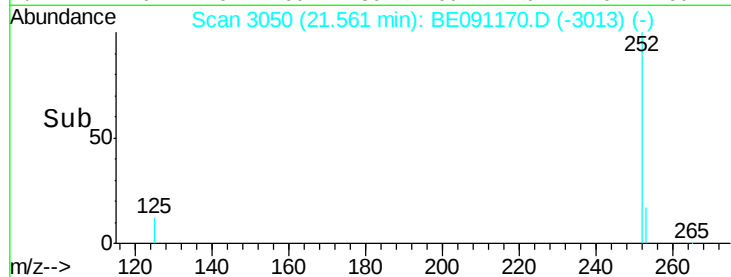
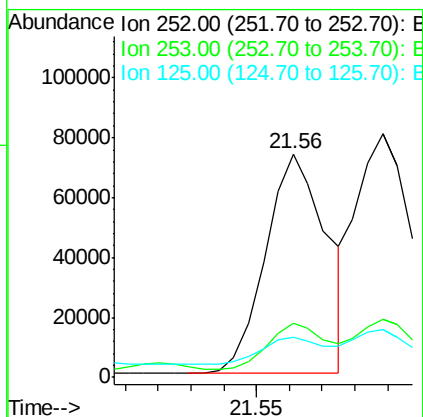
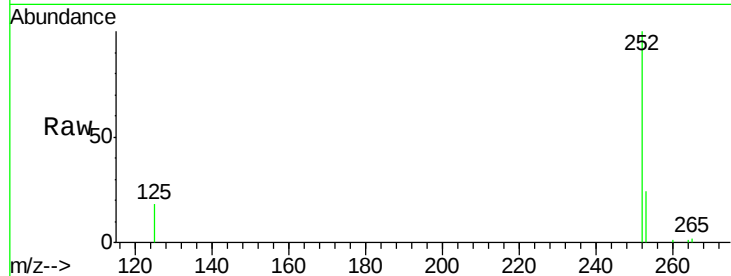




#24
Benzo(k)fluoranthene
Concen: 0.53 ng/u1
RT: 21.56 min Scan# 3050
Delta R.T. -0.03 min
Lab File: BE091170.D
Acq: 15 Nov 2015 13:26

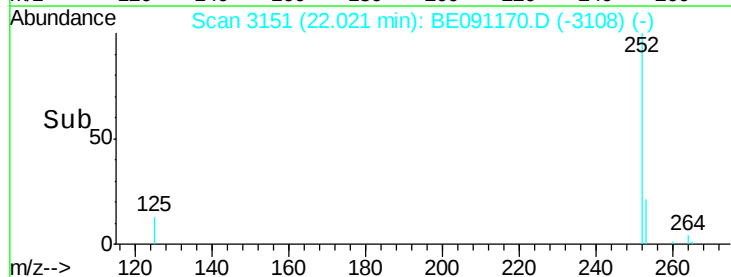
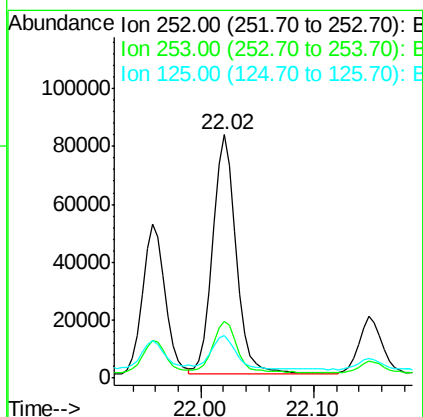
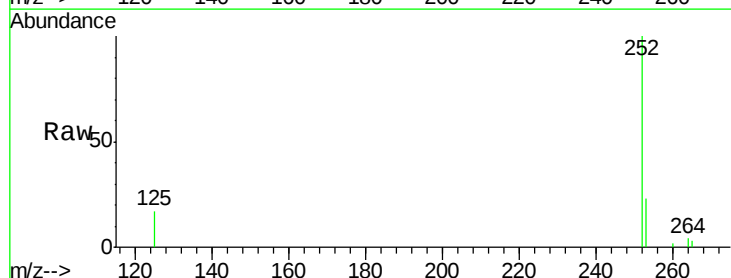
Instrument :
BNA_E
ClientSampleId :
A4HS2DL

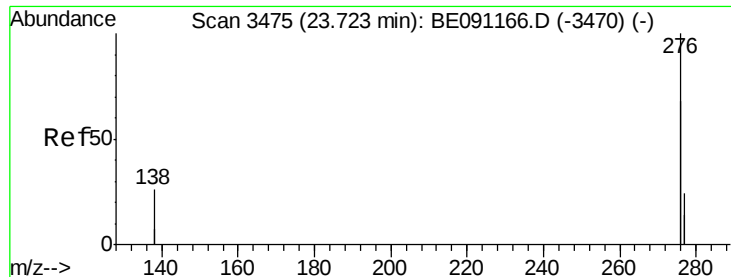
Tgt Ion:252 Resp: 94822
Ion Ratio Lower Upper
252 100
253 24.0 20.8 31.2
125 17.9 12.2 18.4



#25
Benzo(a)pyrene
Concen: 0.74 ng/u1
RT: 22.02 min Scan# 3151
Delta R.T. -0.01 min
Lab File: BE091170.D
Acq: 15 Nov 2015 13:26

Tgt Ion:252 Resp: 120015
Ion Ratio Lower Upper
252 100
253 23.1 21.8 32.8
125 17.3 14.5 21.7





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.40 ng/ul

RT: 23.73 min Scan# 3475

Delta R.T. 0.01 min

Lab File: BE091170.D

Acq: 15 Nov 2015 13:26

Instrument :

BNA_E

ClientSampleId :

A4HS2DL

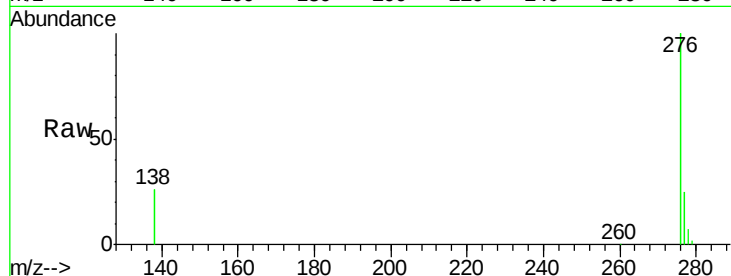
Tgt Ion:276 Resp: 271725

Ion Ratio Lower Upper

276 100

138 24.1 27.5 41.3#

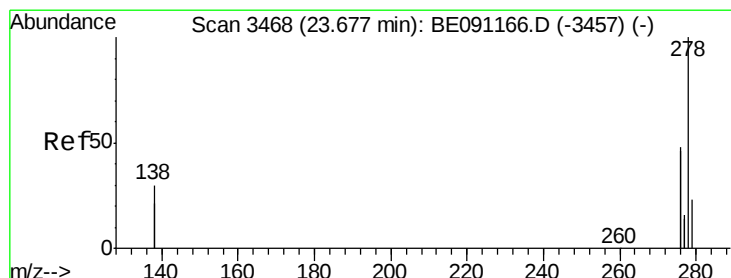
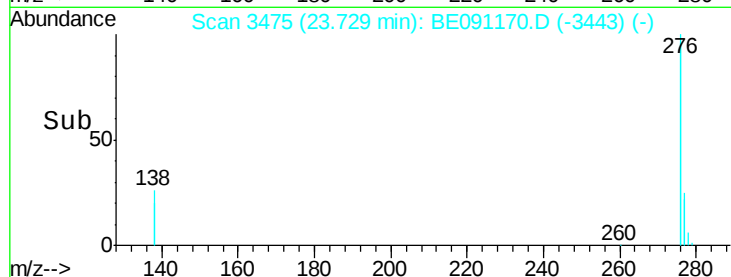
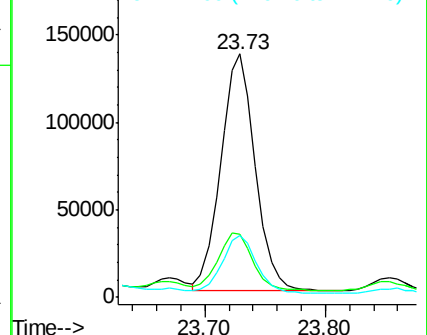
277 24.1 19.3 28.9



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: 0.14 ng/ul

RT: 23.68 min Scan# 3467

Delta R.T. -0.00 min

Lab File: BE091170.D

Acq: 15 Nov 2015 13:26

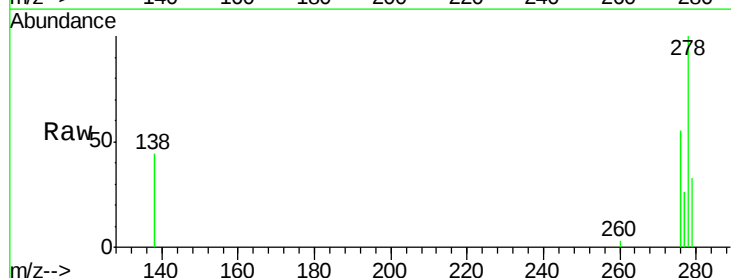
Tgt Ion:278 Resp: 22847

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

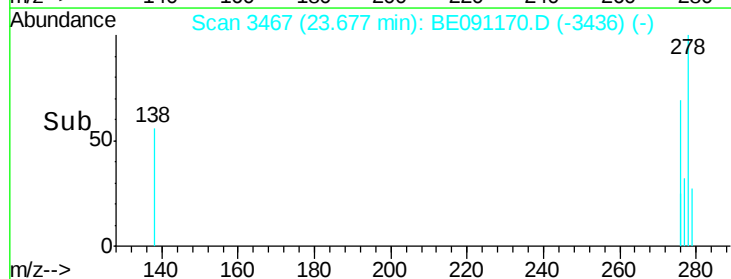
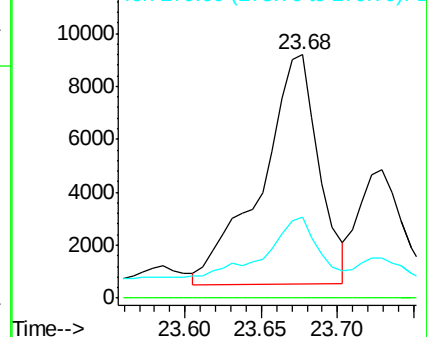
279 33.1 21.9 32.9#

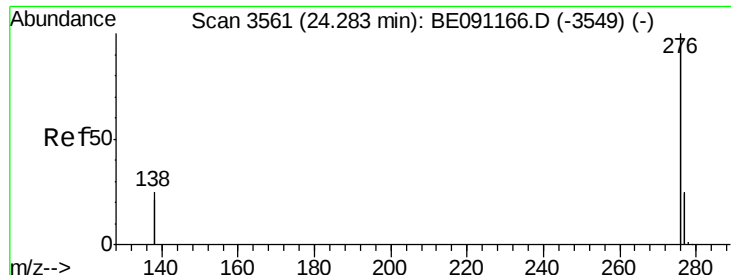


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.41 ng/ul

RT: 24.28 min Scan# 3559

Delta R.T. -0.01 min

Lab File: BE091170.D

Acq: 15 Nov 2015 13:26

Instrument :

BNA_E

ClientSampleId :

A4HS2DL

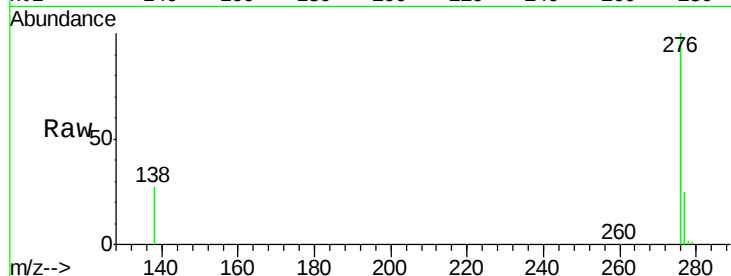
Tgt Ion: 276 Resp: 289167

Ion Ratio Lower Upper

276 100

277 25.4 21.3 31.9

138 27.0 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

