

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
 Data File : BE091131.D
 Acq On : 12 Nov 2015 6:37
 Operator : UM/NP
 Sample : G4322-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HR2

Quant Time: Nov 13 15:21:38 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

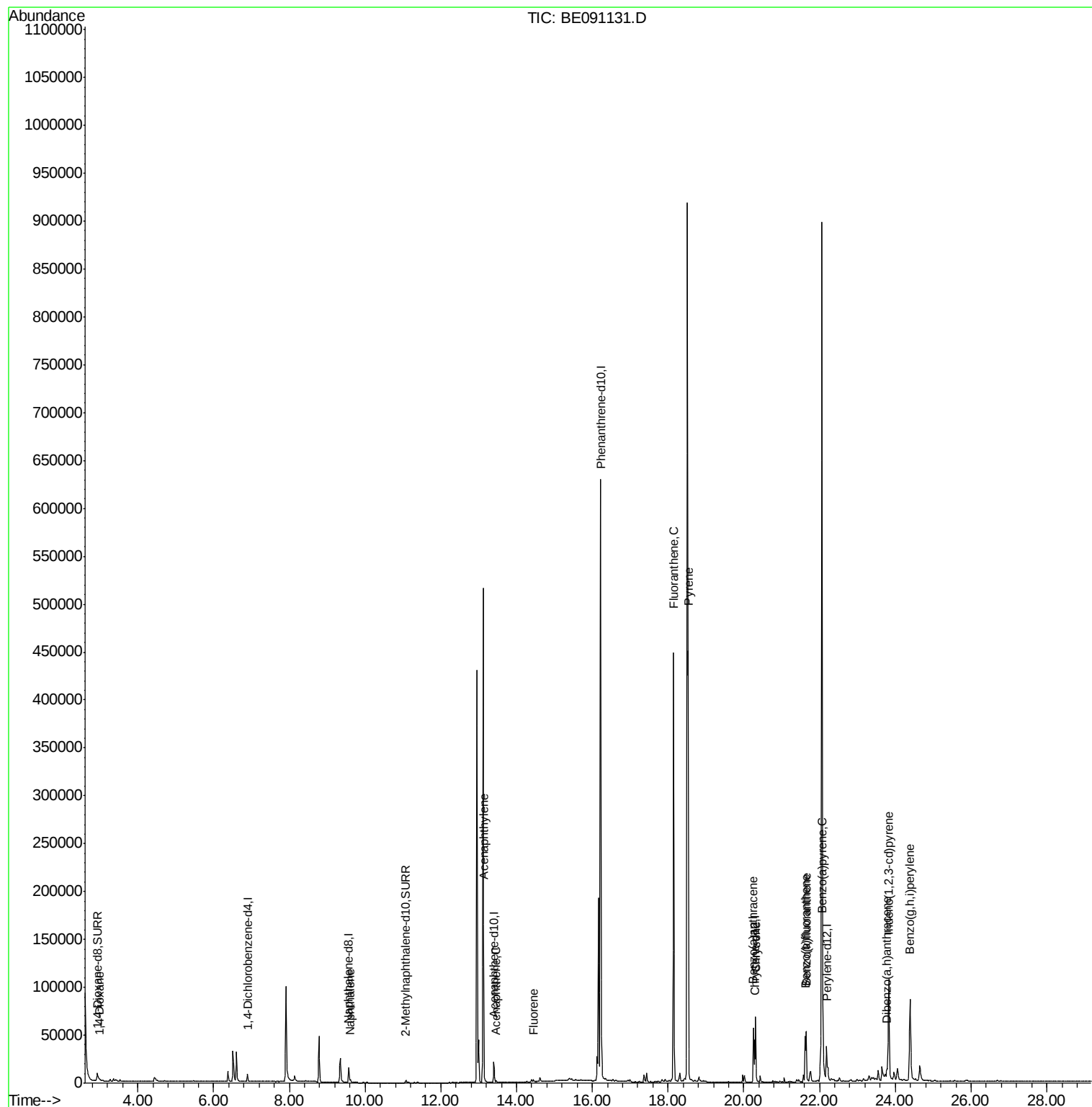
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	3406	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	18999	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	10656	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.22	188	772723	0.40	ng/ul	0.08
18) Chrysene-d12	20.28	240	36595	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	42259	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	9068	3.70	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	3382	0.13	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	9800	0.00	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.00	88	123	0.04	ng/ul#	1
5) Naphthalene	9.61	128	4387	0.09	ng/ul	98
9) Acenaphthylene	13.14	152	5718	0.11	ng/ul	99
10) Acenaphthene	13.46	153	1168	0.03	ng/ul#	90
11) Fluorene	14.45	166	1721	0.04	ng/ul#	95
17) Fluoranthene	18.15	202	457444	0.04	ng/ul	89
19) Pyrene	18.53	202	447251	1.08	ng/ul#	79
20) Benzo(a)anthracene	20.25	228	44795	0.48	ng/ul	96
21) Chrysene	20.32	228	61455	0.57	ng/ul	98
23) Benzo(b)fluoranthene	21.62	252	53356	0.40	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	49380	0.36	ng/ul	97
25) Benzo(a)pyrene	22.09	252	56341	0.46	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	149997	0.29	ng/ul#	89
27) Dibenzo(a,h)anthracene	23.78	278	8448	0.07	ng/ul#	73
28) Benzo(g,h,i)perylene	24.39	276	136977	0.26	ng/ul	94

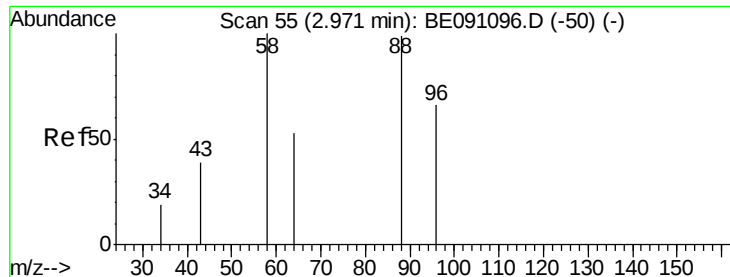
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 3.00 min Scan# 59

Delta R.T. 0.03 min

Lab File: BE091131.D

Acq: 12 Nov 2015 6:37

Instrument :

BNA_E

ClientSampleId :

A4HR2

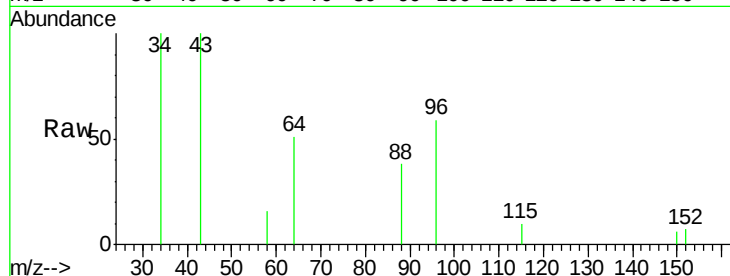
Tgt Ion: 88 Resp: 123

Ion Ratio Lower Upper

88 100

58 11.4 55.4 83.2#

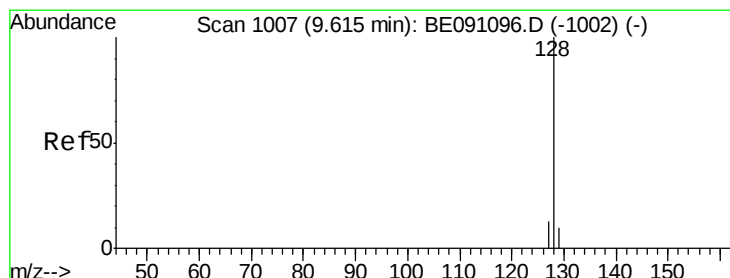
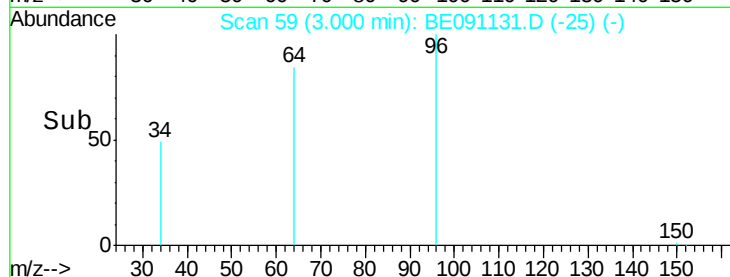
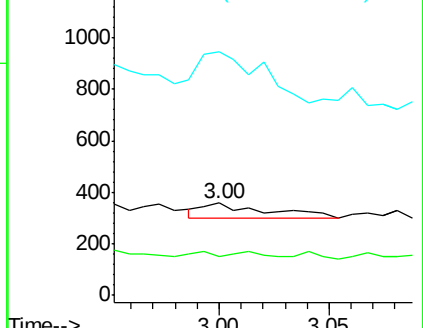
43 326.8 24.2 36.2#



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: 0.09 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091131.D

Acq: 12 Nov 2015 6:37

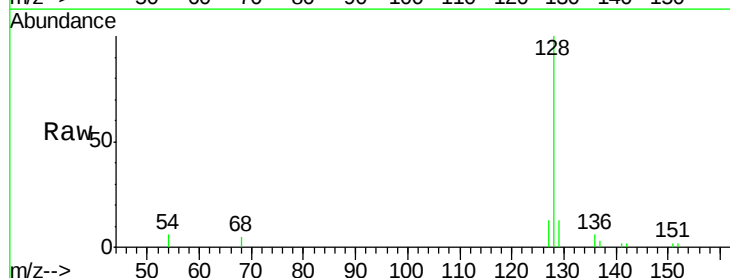
Tgt Ion: 128 Resp: 4387

Ion Ratio Lower Upper

128 100

129 13.5 9.8 14.8

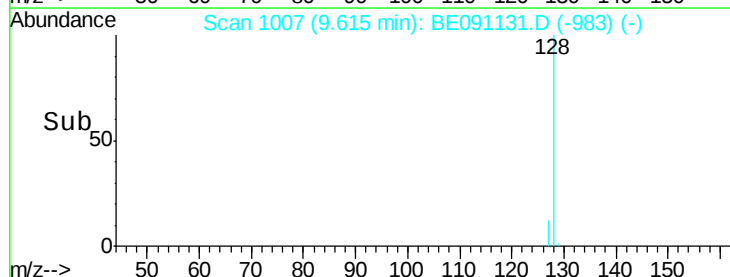
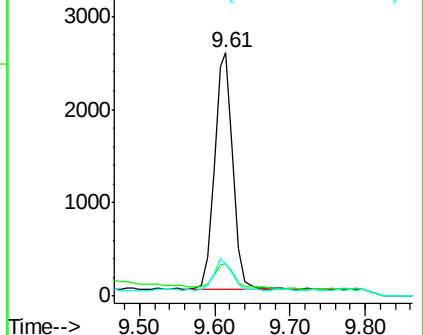
127 13.5 10.7 16.1

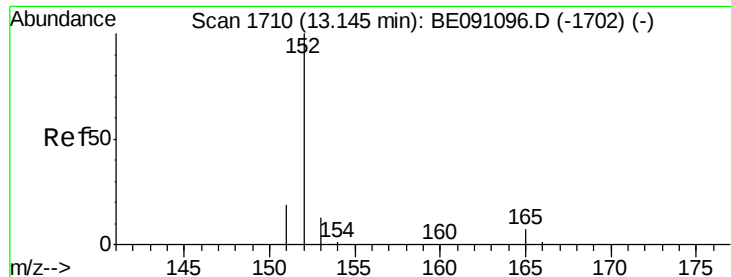


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#9

Acenaphthylene

Concen: 0.11 ng/ul

RT: 13.14 min Scan# 1709

Delta R.T. -0.01 min

Lab File: BE091131.D

Acq: 12 Nov 2015 6:37

Instrument :

BNA_E

ClientSampleId :

A4HR2

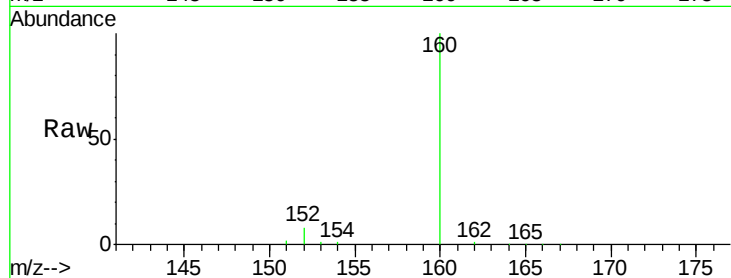
Tgt Ion:152 Resp: 5718

Ion Ratio Lower Upper

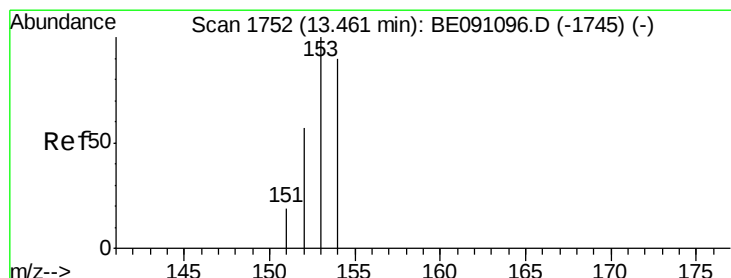
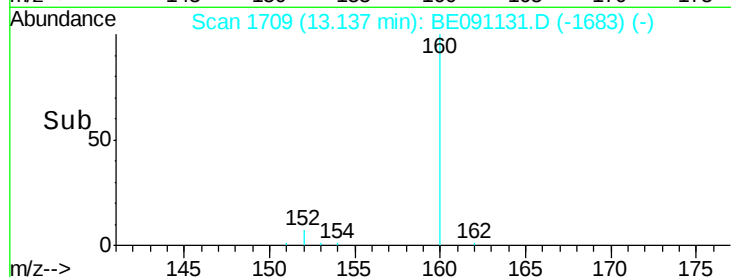
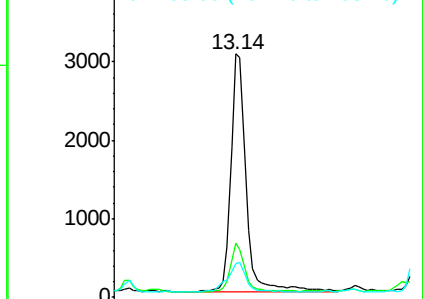
152 100

151 22.2 16.8 25.2

153 14.1 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: BE091131.D

Acq: 12 Nov 2015 6:37

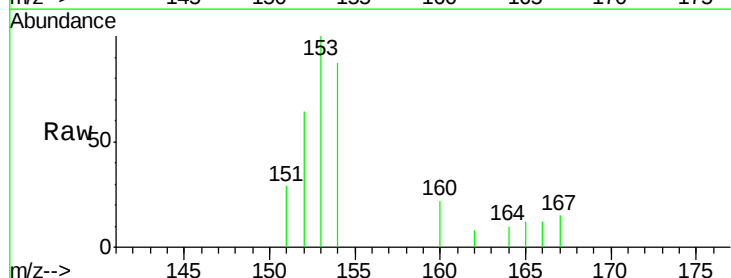
Tgt Ion:153 Resp: 1168

Ion Ratio Lower Upper

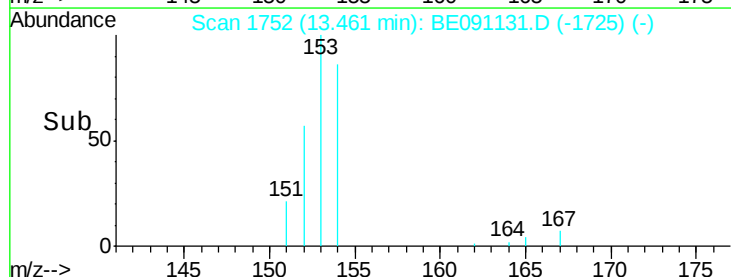
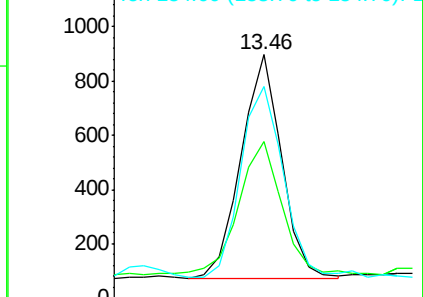
153 100

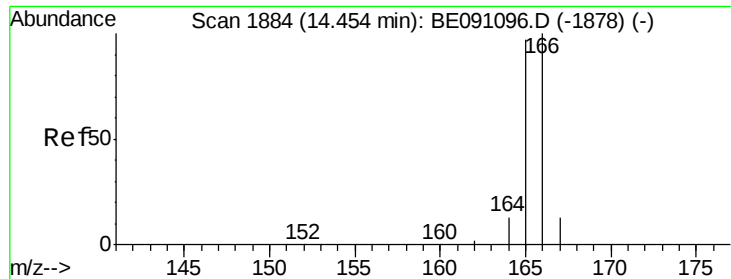
152 64.3 42.3 63.5#

154 86.8 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: 0.04 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091131.D

Acq: 12 Nov 2015 6:37

Instrument :

BNA_E

ClientSampleId :

A4HR2

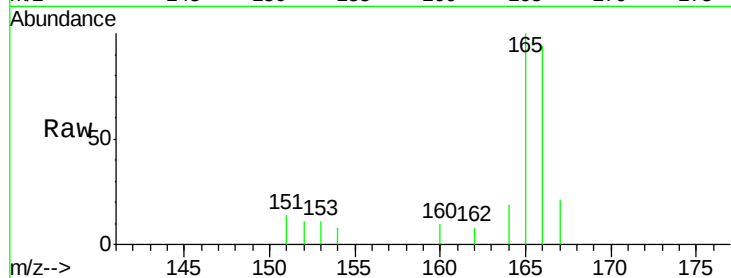
Tgt Ion:166 Resp: 1721

Ion Ratio Lower Upper

166 100

165 106.0 87.6 131.4

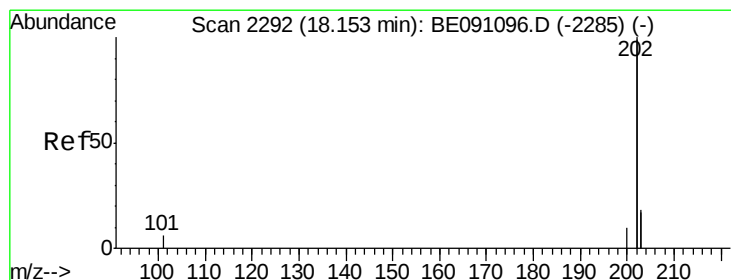
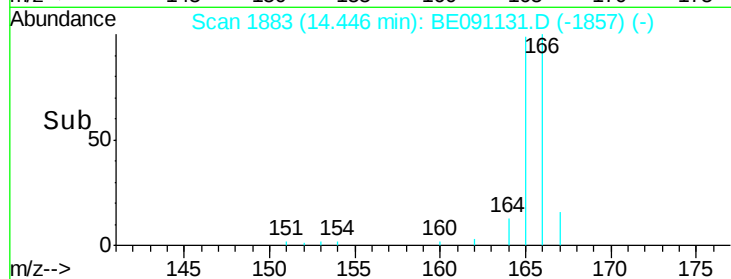
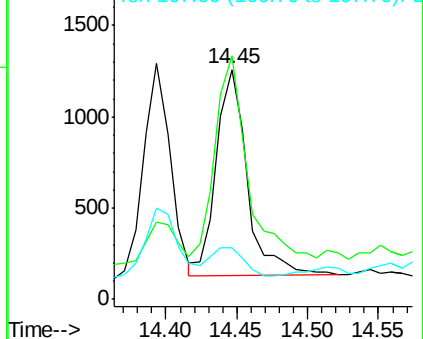
167 22.3 11.1 16.7#



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



#17

Fluoranthene

Concen: 0.04 ng/ul

RT: 18.15 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BE091131.D

Acq: 12 Nov 2015 6:37

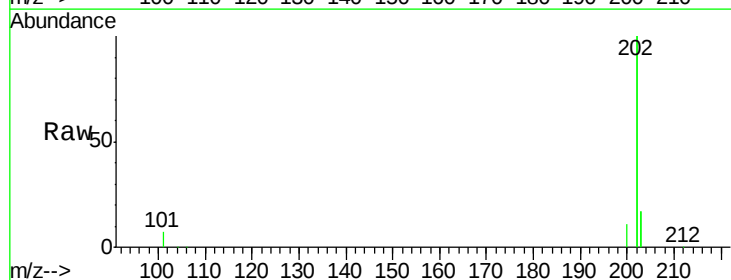
Tgt Ion:202 Resp: 457444

Ion Ratio Lower Upper

202 100

101 3.5 0.0 33.1

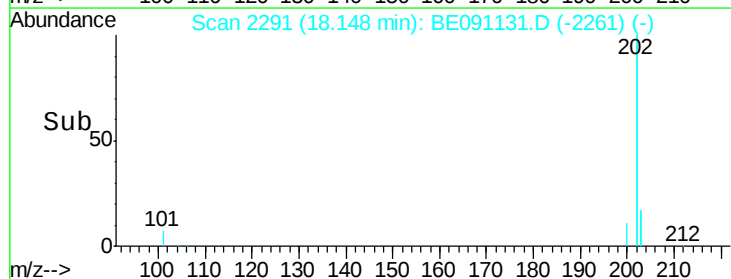
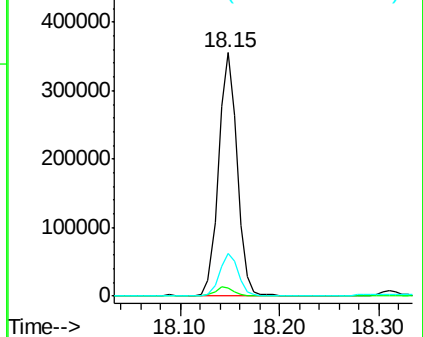
203 17.4 0.0 37.2

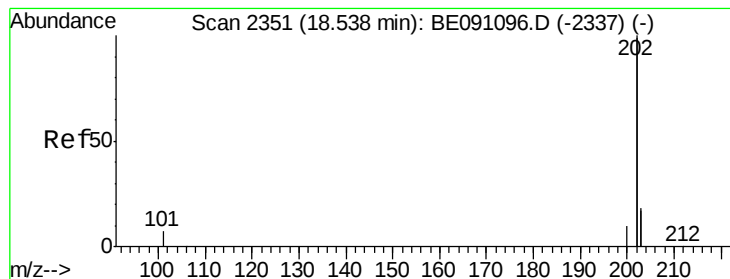


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 1.08 ng/ul

RT: 18.53 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BE091131.D

Acq: 12 Nov 2015 6:37

Instrument :

BNA_E

ClientSampleId :

A4HR2

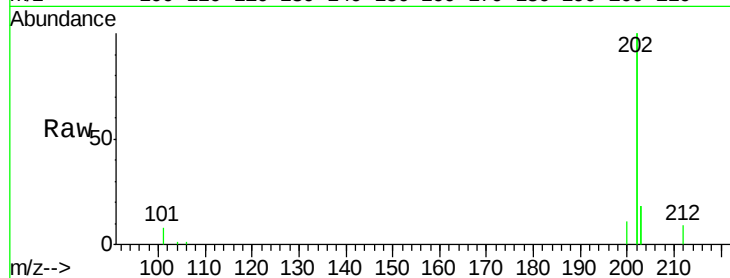
Tgt Ion:202 Resp: 447251

Ion Ratio Lower Upper

202 100

200 5.3 18.0 27.0#

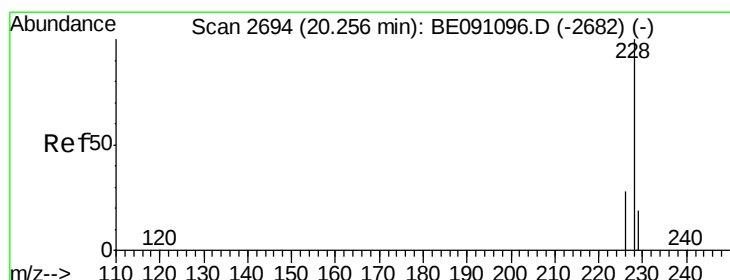
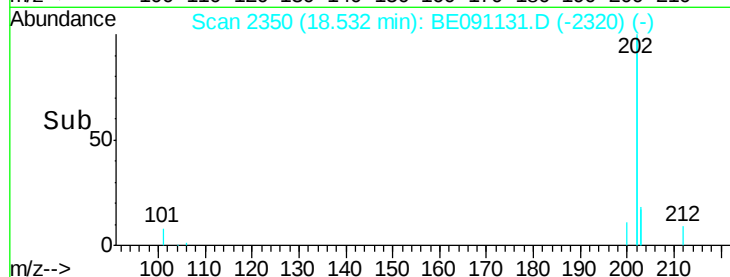
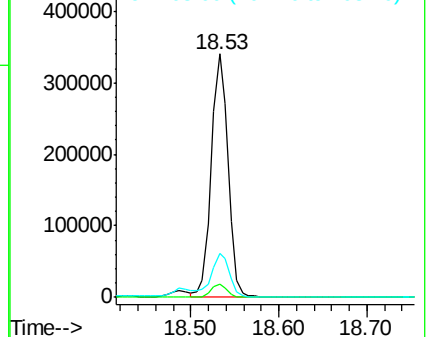
203 17.9 13.8 20.6



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: 0.48 ng/ul

RT: 20.25 min Scan# 2693

Delta R.T. -0.00 min

Lab File: BE091131.D

Acq: 12 Nov 2015 6:37

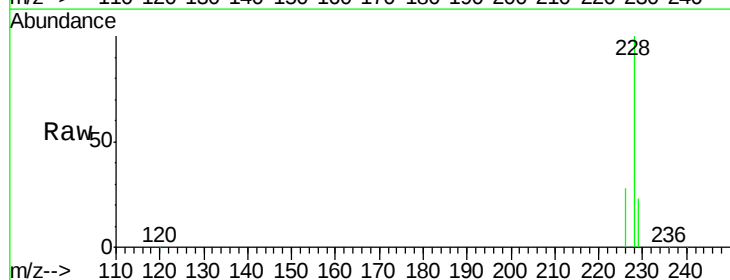
Tgt Ion:228 Resp: 44795

Ion Ratio Lower Upper

228 100

226 28.2 23.0 34.4

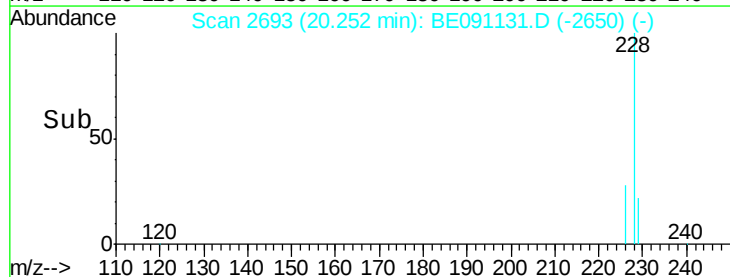
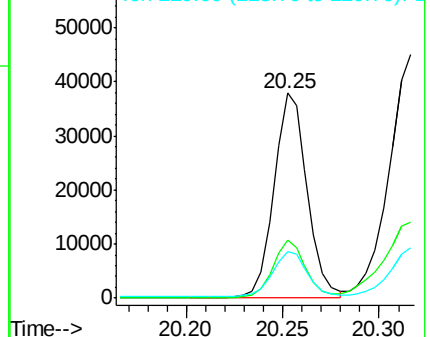
229 22.7 15.2 22.8

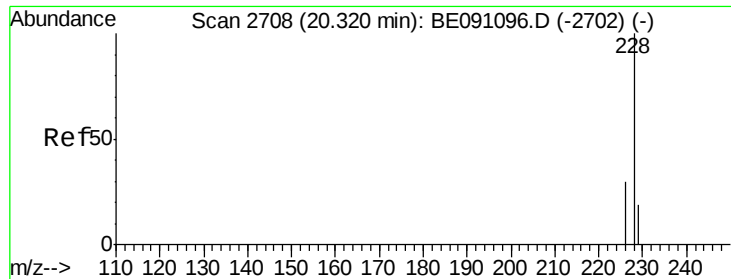


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.57 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. -0.00 min

Lab File: BE091131.D

Acq: 12 Nov 2015 6:37

Instrument :

BNA_E

ClientSampleId :

A4HR2

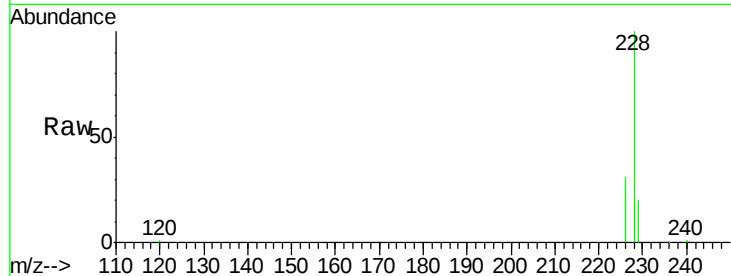
Tgt Ion:228 Resp: 61455

Ion Ratio Lower Upper

228 100

226 31.2 25.7 38.5

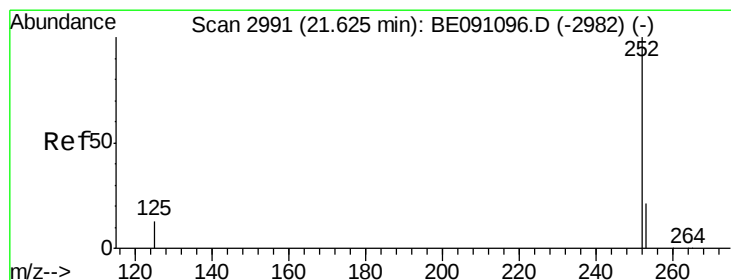
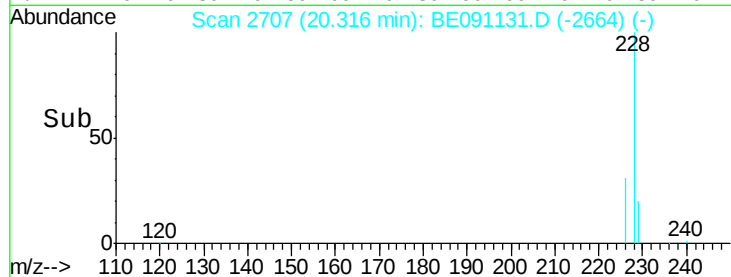
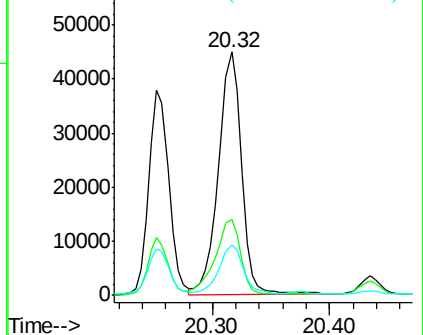
229 20.4 15.2 22.8



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: 0.40 ng/ul

RT: 21.62 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE091131.D

Acq: 12 Nov 2015 6:37

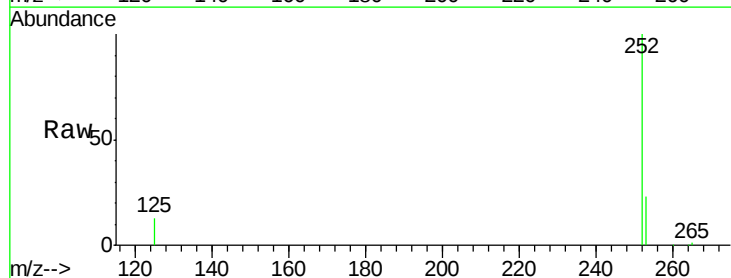
Tgt Ion:252 Resp: 53356

Ion Ratio Lower Upper

252 100

253 23.3 0.0 48.0

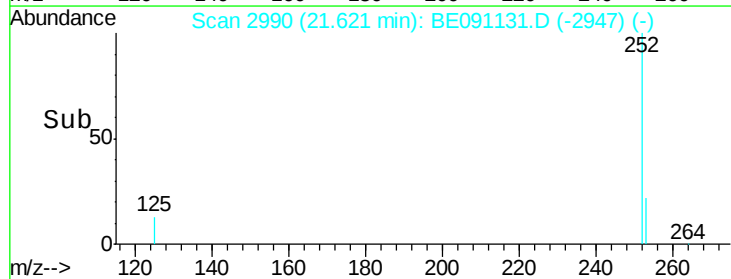
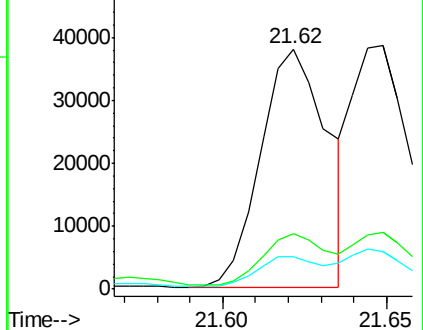
125 13.4 0.0 36.6

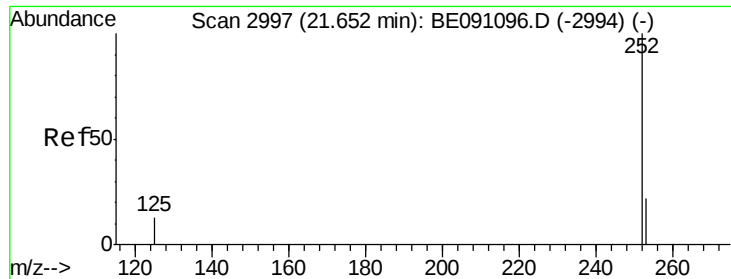


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.36 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BE091131.D

Acq: 12 Nov 2015 6:37

Instrument :

BNA_E

ClientSampleId :

A4HR2

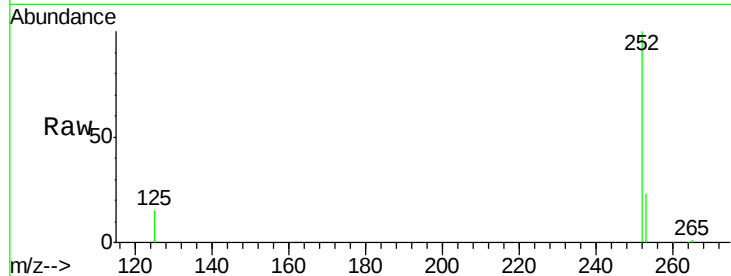
Tgt Ion:252 Resp: 49380

Ion Ratio Lower Upper

252 100

253 23.4 20.8 31.2

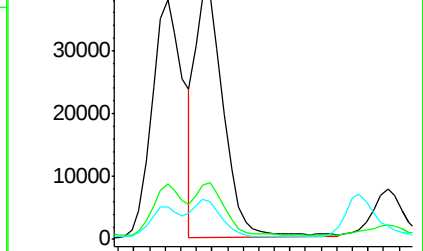
125 15.4 12.2 18.4



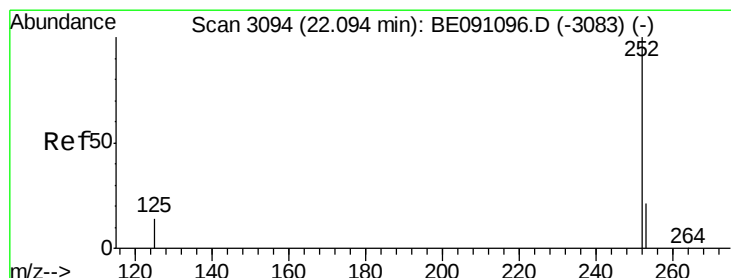
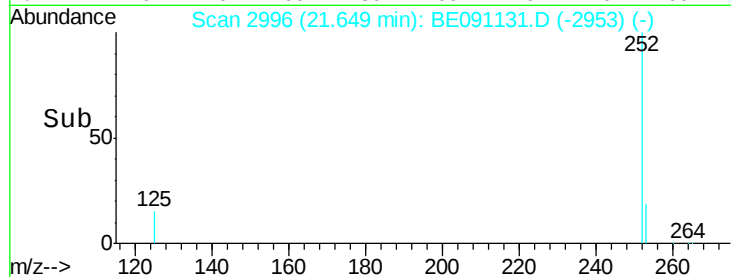
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#25

Benzo(a)pyrene

Concen: 0.46 ng/ul

RT: 22.09 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BE091131.D

Acq: 12 Nov 2015 6:37

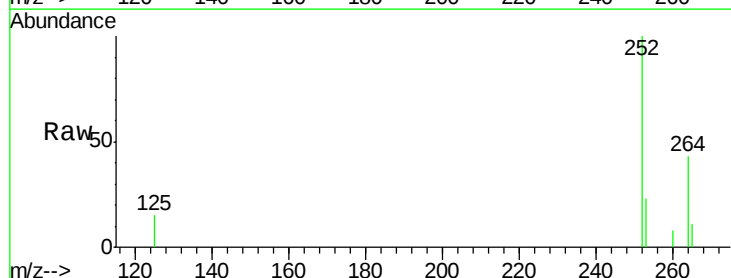
Tgt Ion:252 Resp: 56341

Ion Ratio Lower Upper

252 100

253 22.7 21.8 32.8

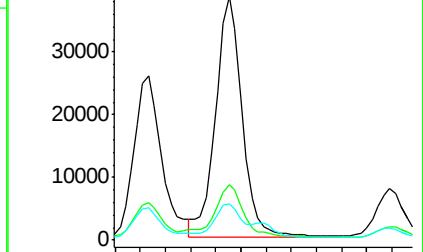
125 14.6 14.5 21.7



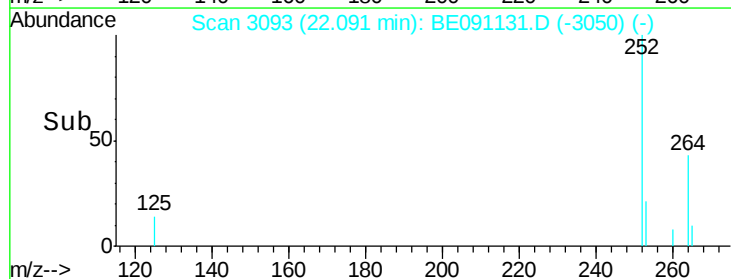
Abundance Ion 252.00 (251.70 to 252.70): E

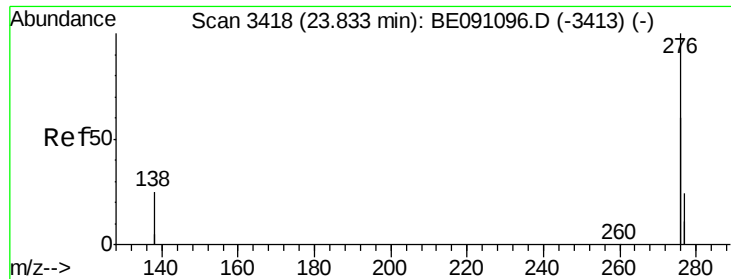
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.29 ng/ul

RT: 23.83 min Scan# 3416

Delta R.T. -0.01 min

Lab File: BE091131.D

Acq: 12 Nov 2015 6:37

Instrument :

BNA_E

ClientSampleId :

A4HR2

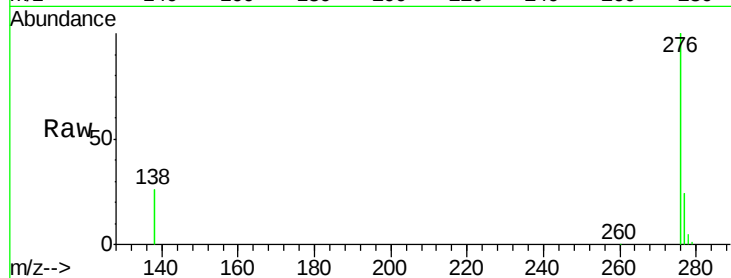
Tgt Ion:276 Resp: 149997

Ion Ratio Lower Upper

276 100

138 23.8 27.5 41.3#

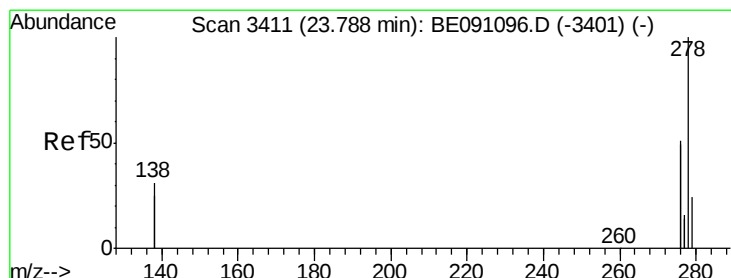
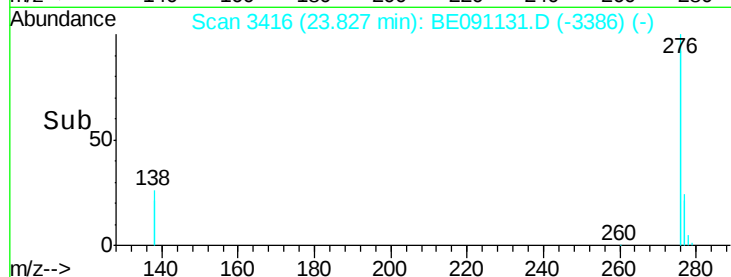
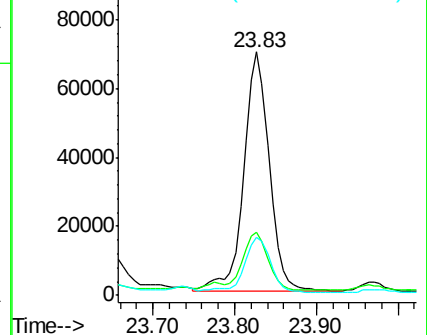
277 24.3 19.3 28.9



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: 0.07 ng/ul

RT: 23.78 min Scan# 3409

Delta R.T. -0.01 min

Lab File: BE091131.D

Acq: 12 Nov 2015 6:37

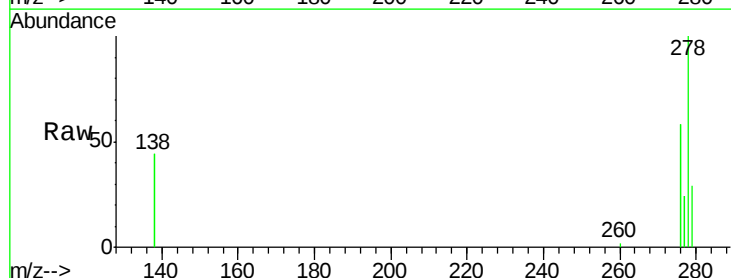
Tgt Ion:278 Resp: 8448

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

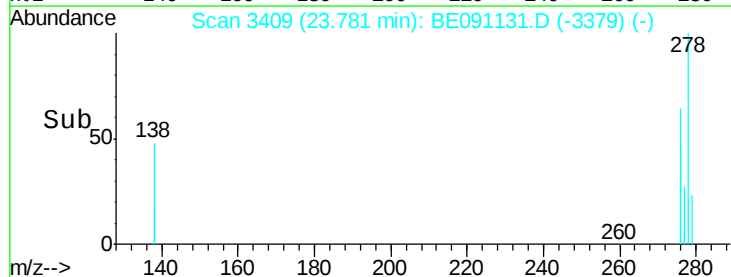
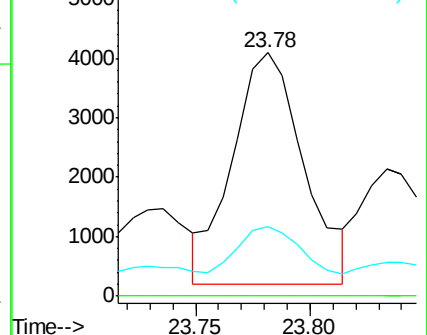
279 28.5 21.9 32.9

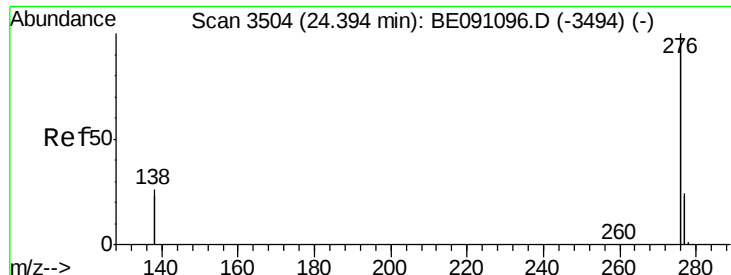


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.26 ng/ul

RT: 24.39 min Scan# 3503

Delta R.T. 0.00 min

Lab File: BE091131.D

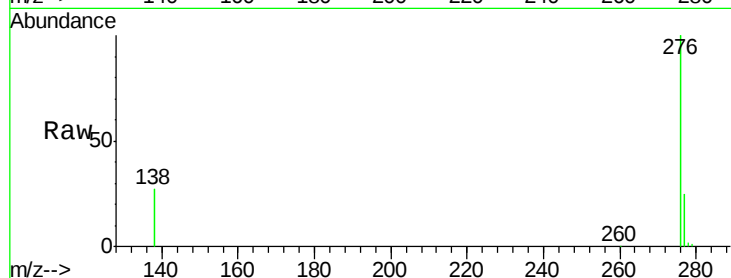
Acq: 12 Nov 2015 6:37

Instrument :

BNA_E

ClientSampleId :

A4HR2



Tgt Ion: 276 Resp: 136977

Ion Ratio Lower Upper

276 100

277 25.0 21.3 31.9

138 26.9 25.5 38.3

