

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
 Data File : BE091138.D
 Acq On : 12 Nov 2015 10:51
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.495

Quant Time: Nov 13 15:22:46 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	3135	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	16985	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	9501	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	23266	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	25595	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	24702	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.94	96	3833	1.70	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	11.07	152	9188	0.40	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	24301	0.37	ng/ul	0.00

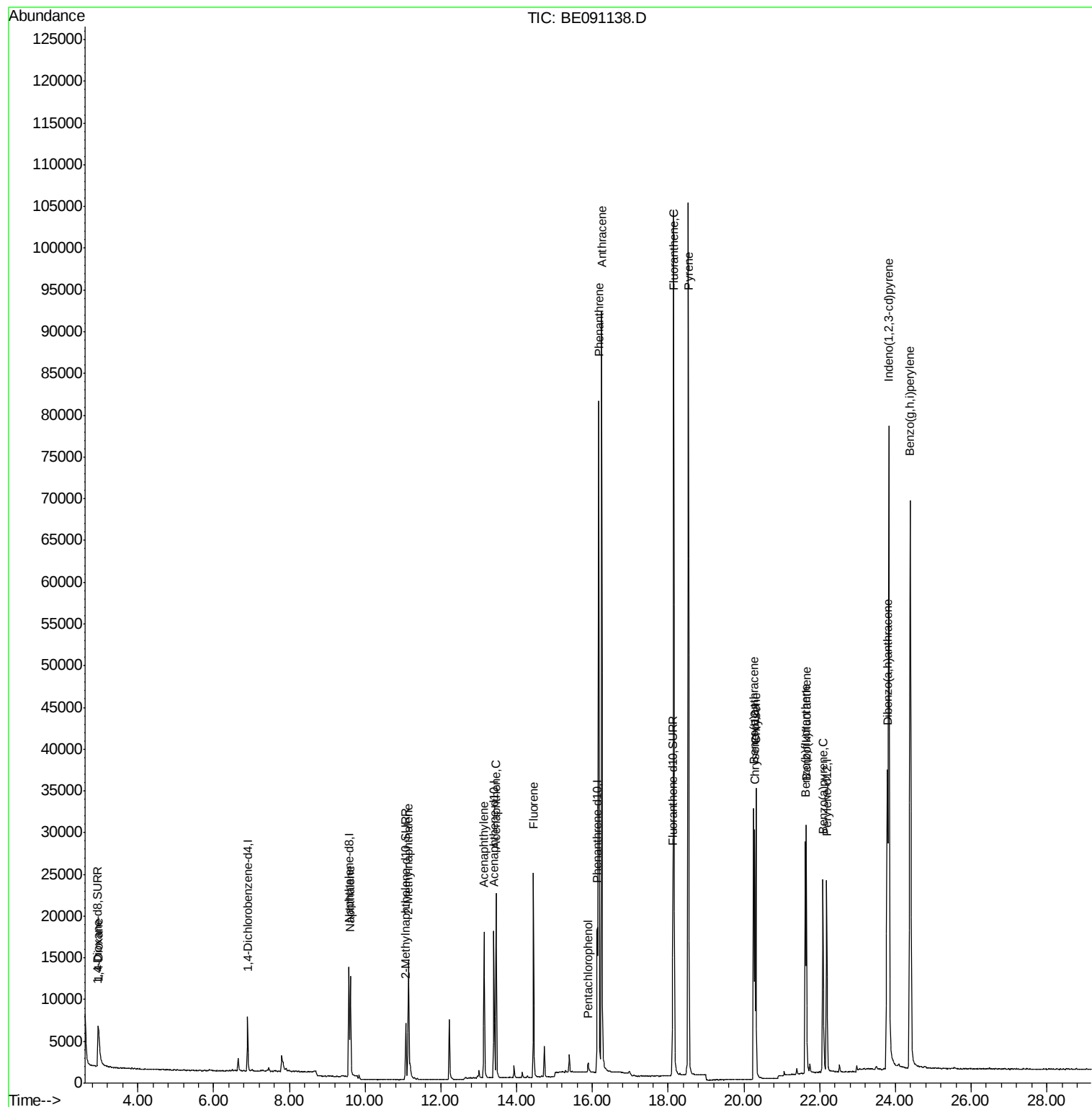
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.96	88	4430	1.74	ng/ul#	70
5) Naphthalene	9.62	128	16133	0.39	ng/ul	99
7) 2-Methylnaphthalene	11.14	142	10899	0.40	ng/ul	92
9) Acenaphthylene	13.14	152	18704	0.39	ng/ul	99
10) Acenaphthene	13.46	153	12736	0.39	ng/ul	92
11) Fluorene	14.45	166	15306	0.37	ng/ul	93
13) Pentachlorophenol	15.89	266	1246	0.56	ng/ul	95
14) Phenanthrene	16.17	178	101950	0.38	ng/ul	95
15) Anthracene	16.25	178	97982	0.40	ng/ul	99
17) Fluoranthene	18.15	202	116099	0.37	ng/ul	89
19) Pyrene	18.53	202	113669	0.39	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	27110	0.41	ng/ul	98
21) Chrysene	20.32	228	28516	0.38	ng/ul	98
23) Benzo(b)fluoranthene	21.62	252	29207	0.38	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	27676	0.35	ng/ul	95
25) Benzo(a)pyrene	22.09	252	27350	0.38	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	134224	0.45	ng/ul#	81
27) Dibenzo(a,h)anthracene	23.79	278	27025	0.38	ng/ul#	71
28) Benzo(g,h,i)perylene	24.39	276	113456	0.36	ng/ul	94

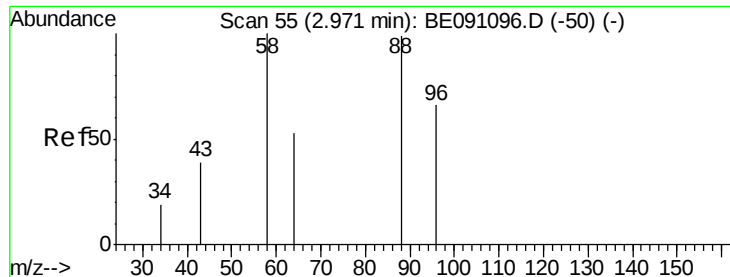
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.74 ng/ul

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.495

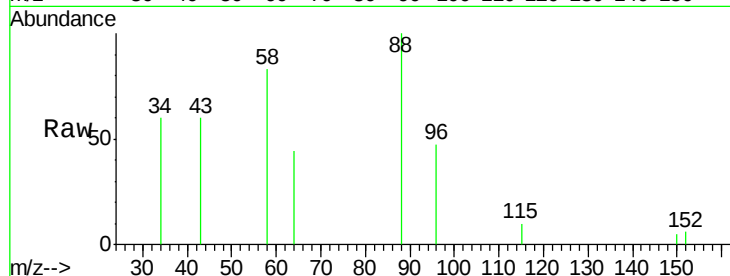
Tgt Ion: 88 Resp: 4430

Ion Ratio Lower Upper

88 100

58 96.3 55.4 83.2#

43 42.3 24.2 36.2#

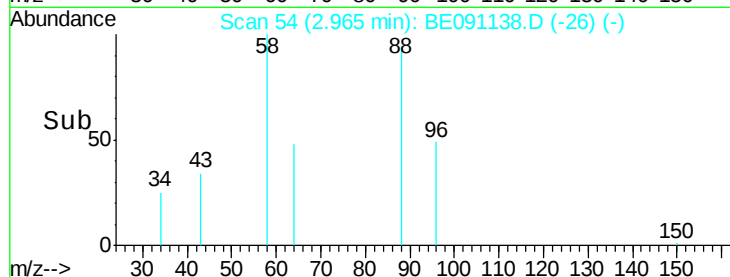


Abundance Ion 88.00 (87.70 to 88.70): BE091096.D (-50) (-)

Ion 58.00 (57.70 to 58.70): BE091096.D (-50) (-)

Ion 43.00 (42.70 to 43.70): BE091096.D (-50) (-)

Time-->

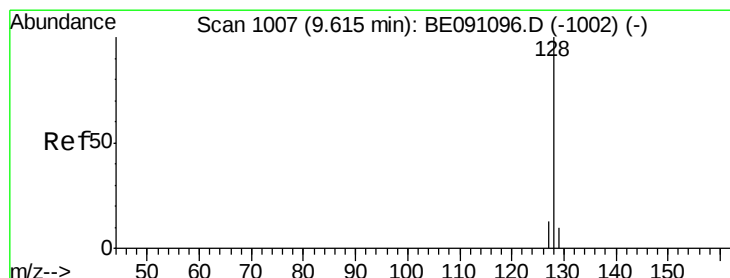


Abundance Ion 88.00 (87.70 to 88.70): BE091138.D (-26) (-)

Ion 58.00 (57.70 to 58.70): BE091138.D (-26) (-)

Ion 43.00 (42.70 to 43.70): BE091138.D (-26) (-)

Time-->



#5

Naphthalene

Concen: 0.39 ng/ul

RT: 9.62 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

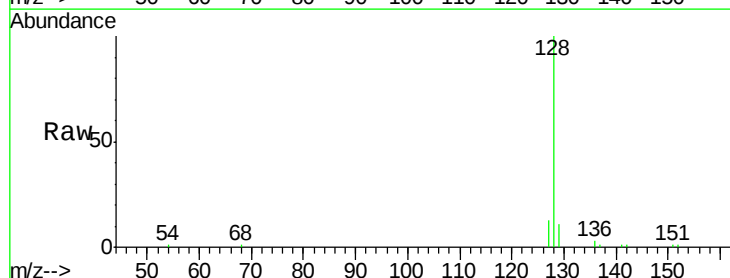
Tgt Ion: 128 Resp: 16133

Ion Ratio Lower Upper

128 100

129 11.5 9.8 14.8

127 13.3 10.7 16.1

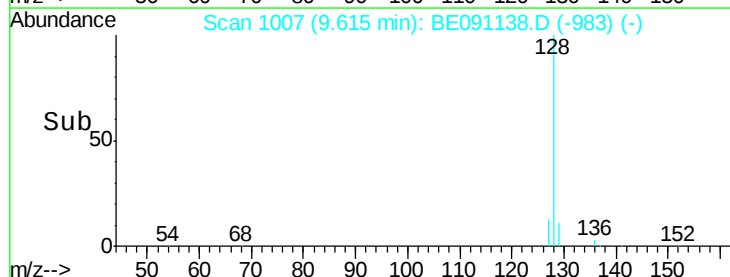


Abundance Ion 128.00 (127.70 to 128.70): BE091096.D (-1002) (-)

Ion 129.00 (128.70 to 129.70): BE091096.D (-1002) (-)

Ion 127.00 (126.70 to 127.70): BE091096.D (-1002) (-)

Time-->

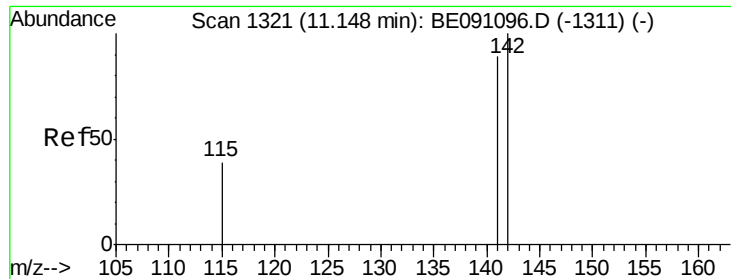


Abundance Ion 128.00 (127.70 to 128.70): BE091138.D (-983) (-)

Ion 129.00 (128.70 to 129.70): BE091138.D (-983) (-)

Ion 127.00 (126.70 to 127.70): BE091138.D (-983) (-)

Time-->



#7

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 11.14 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

Instrument :

BNA_E

ClientSampleId :

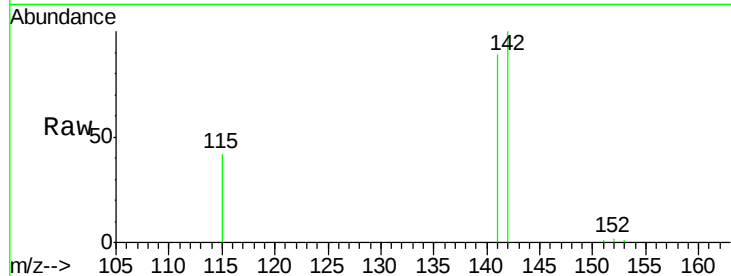
SSTD0.495

Tgt Ion:142 Resp: 10899

Ion Ratio Lower Upper

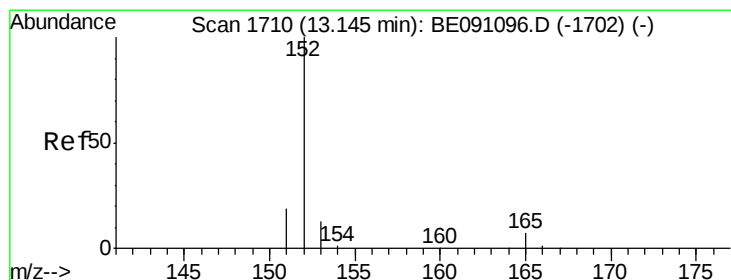
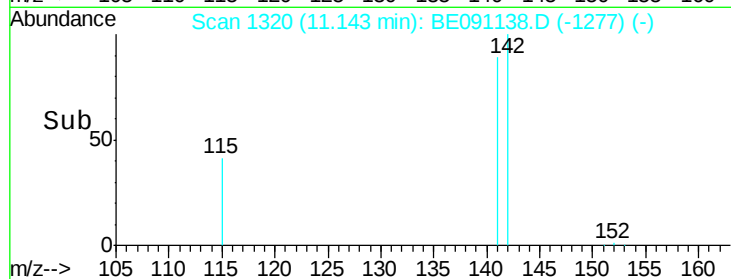
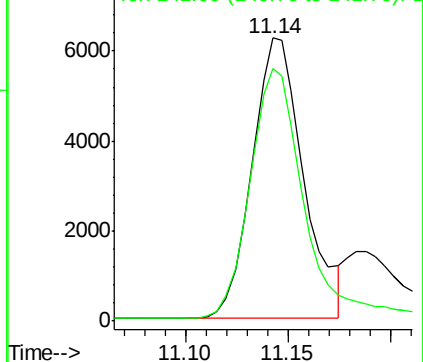
142 100

141 95.7 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: 0.39 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

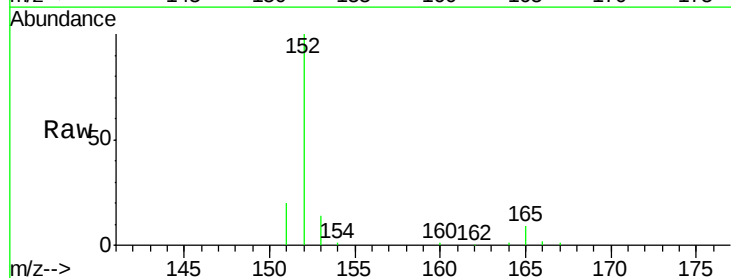
Tgt Ion:152 Resp: 18704

Ion Ratio Lower Upper

152 100

151 20.2 16.8 25.2

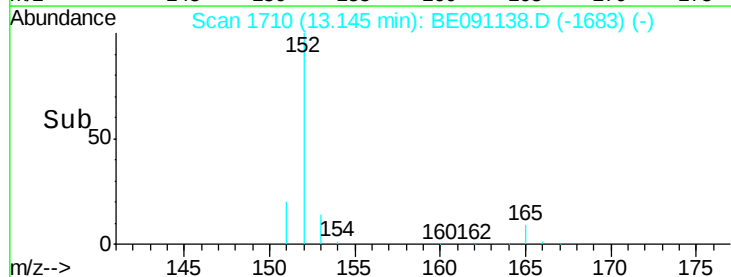
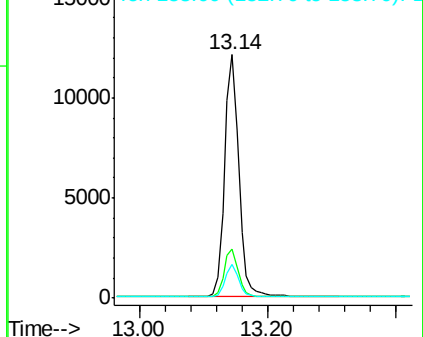
153 14.0 11.3 16.9

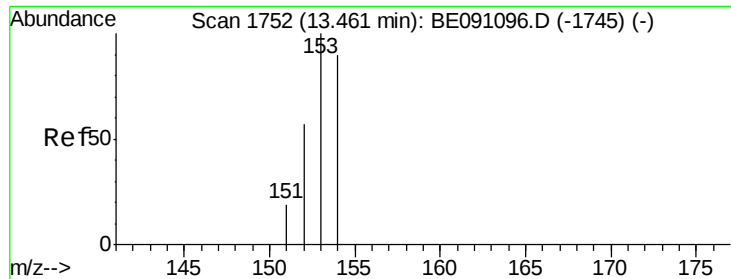


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.39 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.495

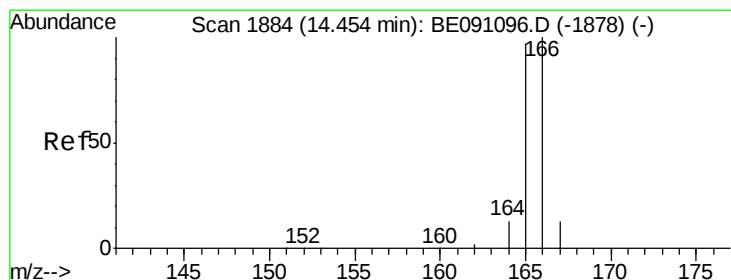
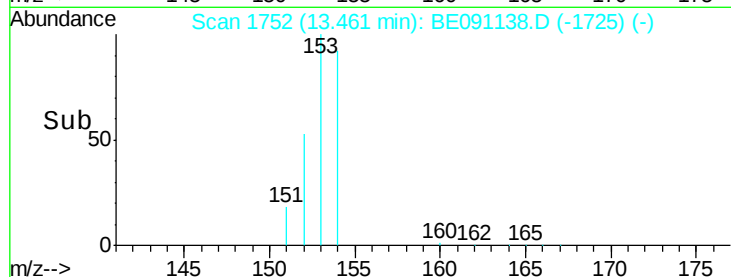
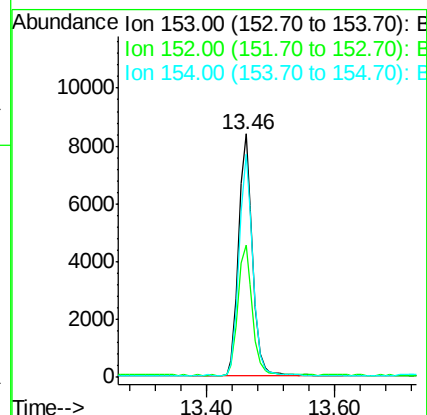
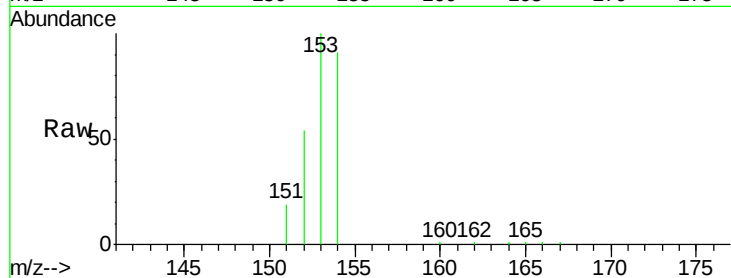
Tgt Ion:153 Resp: 12736

Ion Ratio Lower Upper

153 100

152 54.1 42.3 63.5

154 91.5 64.7 97.1



#11

Fluorene

Concen: 0.37 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

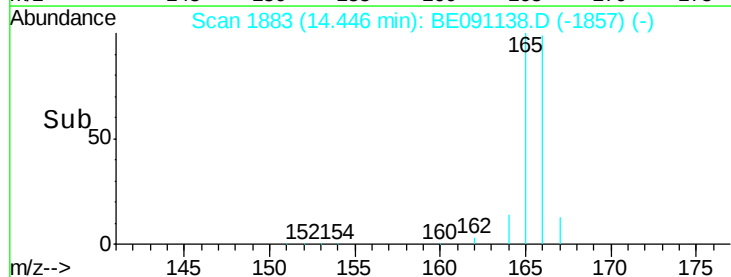
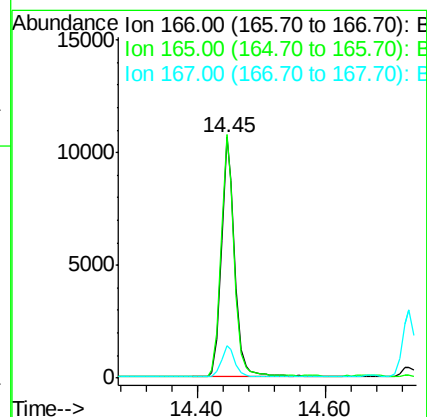
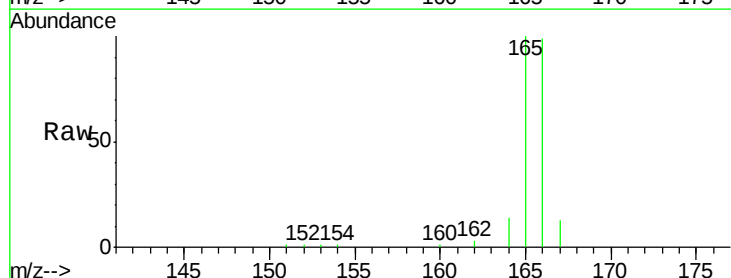
Tgt Ion:166 Resp: 15306

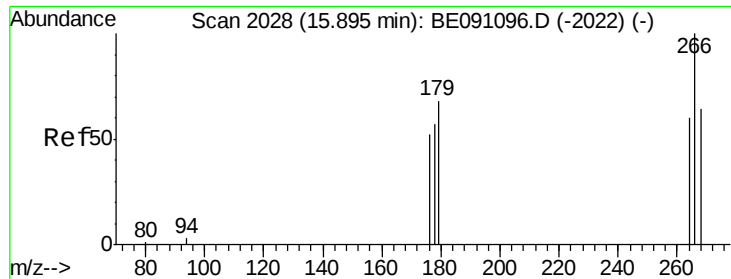
Ion Ratio Lower Upper

166 100

165 101.0 87.6 131.4

167 13.4 11.1 16.7

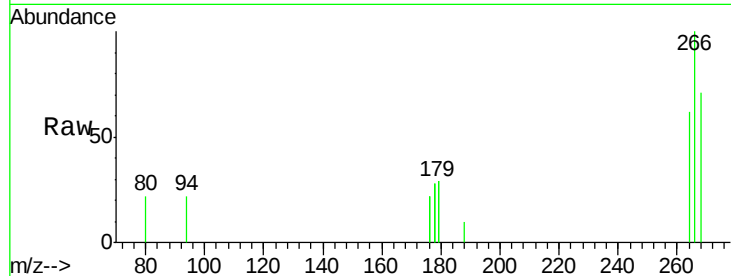




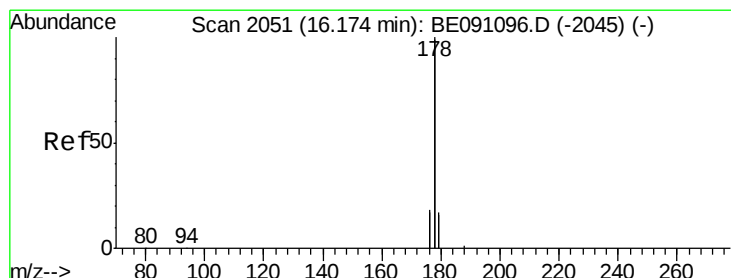
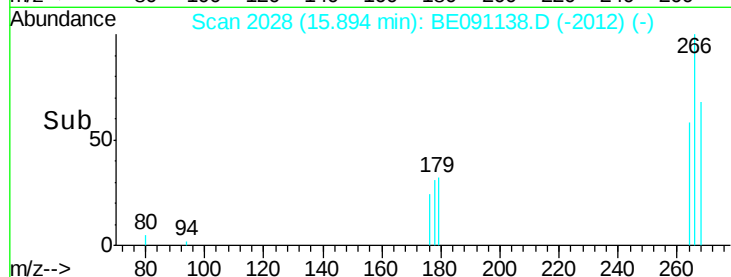
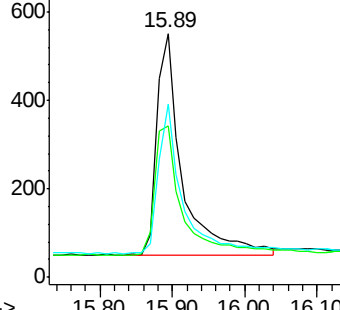
#13
 Pentachlorophenol
 Concen: 0.56 ng/ul
 RT: 15.89 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BE091138.D
 Acq: 12 Nov 2015 10:51

Instrument :
 BNA_E
 ClientSampleId :
 SST00.495

Tgt Ion: 266 Resp: 1246
 Ion Ratio Lower Upper
 266 100
 264 62.9 53.5 80.3
 268 64.0 54.2 81.2

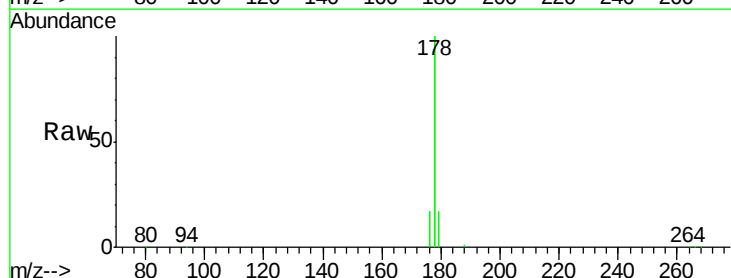


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

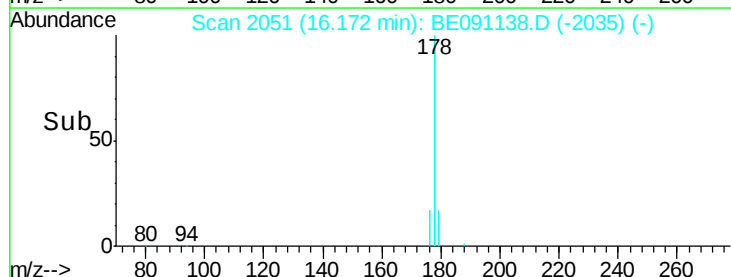
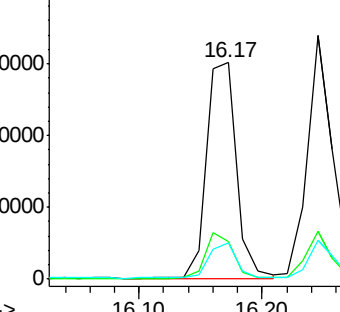


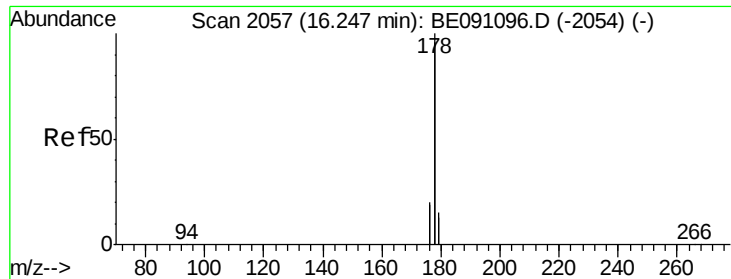
#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 16.17 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BE091138.D
 Acq: 12 Nov 2015 10:51

Tgt Ion: 178 Resp: 101950
 Ion Ratio Lower Upper
 178 100
 176 17.5 16.2 24.4
 179 17.1 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: 0.40 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.495

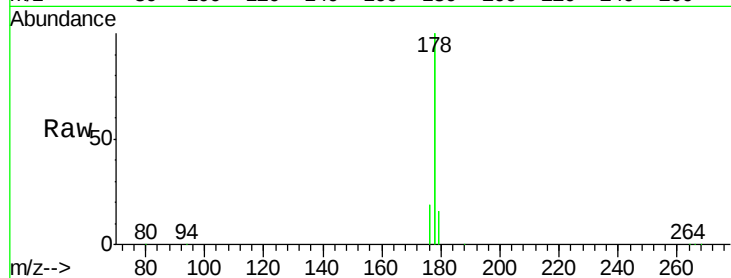
Tgt Ion:178 Resp: 97982

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

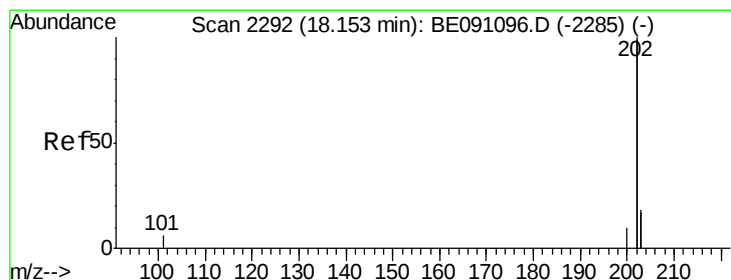
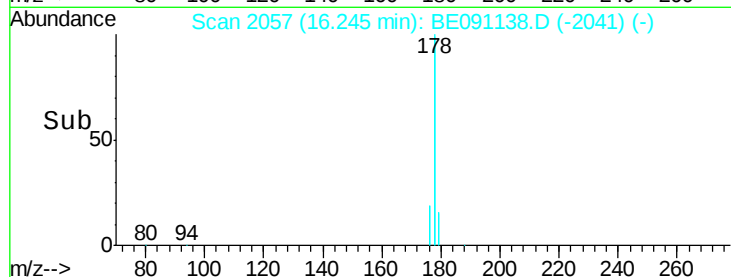
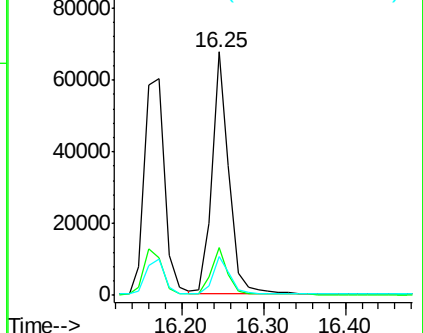
179 16.2 13.3 19.9



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: 0.37 ng/ul

RT: 18.15 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

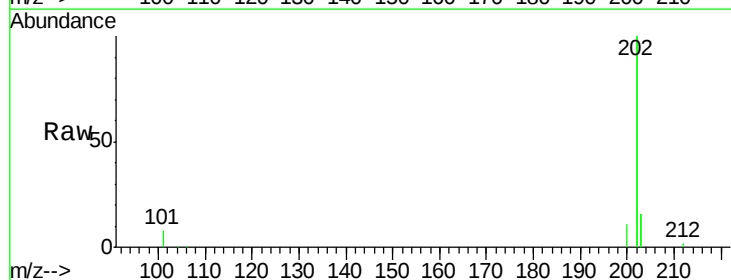
Tgt Ion:202 Resp: 116099

Ion Ratio Lower Upper

202 100

101 3.9 0.0 33.1

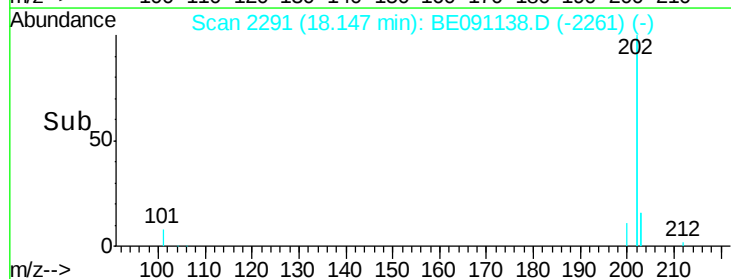
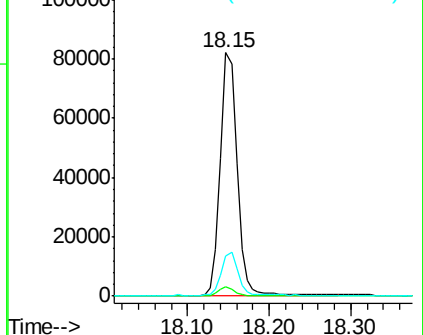
203 16.3 0.0 37.2

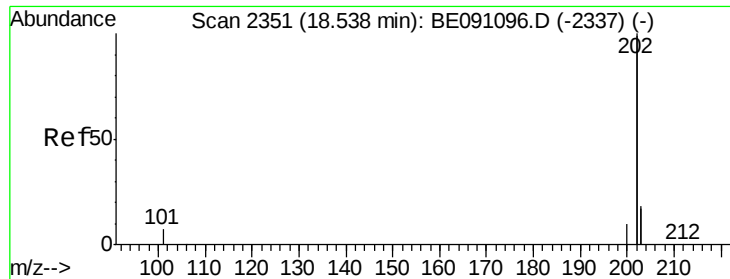


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.39 ng/ul

RT: 18.53 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.495

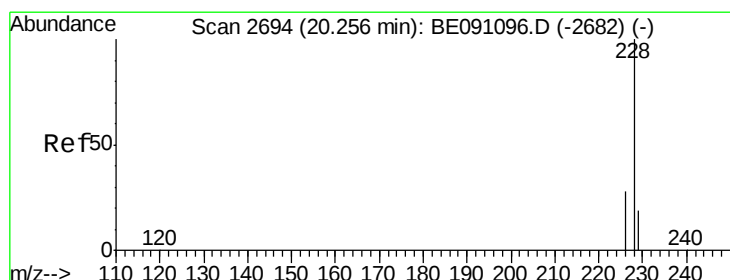
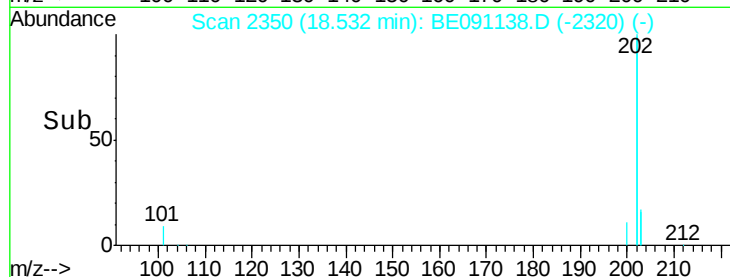
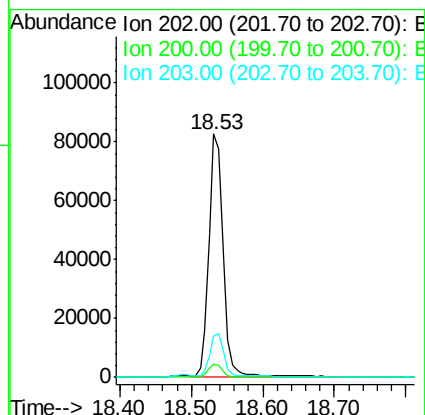
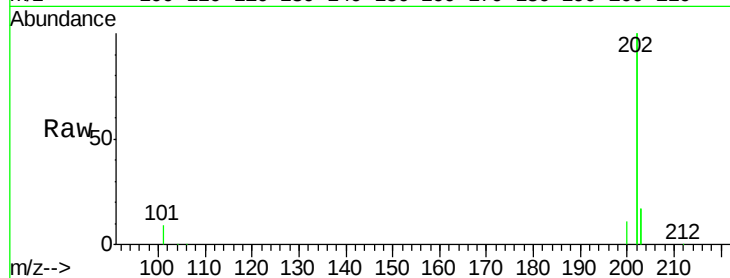
Tgt Ion:202 Resp: 113669

Ion Ratio Lower Upper

202 100

200 5.6 18.0 27.0#

203 17.1 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.41 ng/ul

RT: 20.26 min Scan# 2693

Delta R.T. -0.00 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

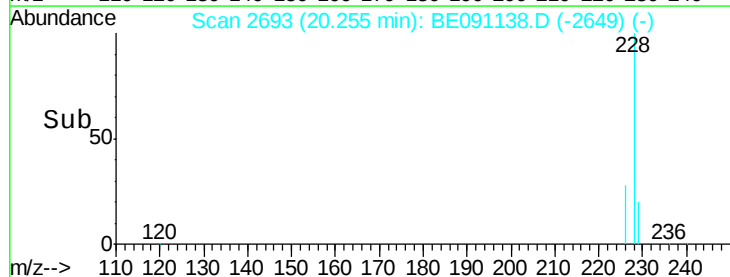
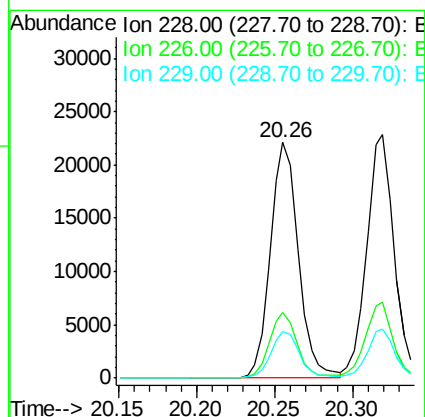
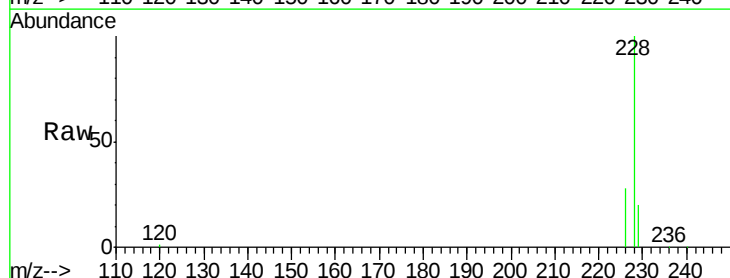
Tgt Ion:228 Resp: 27110

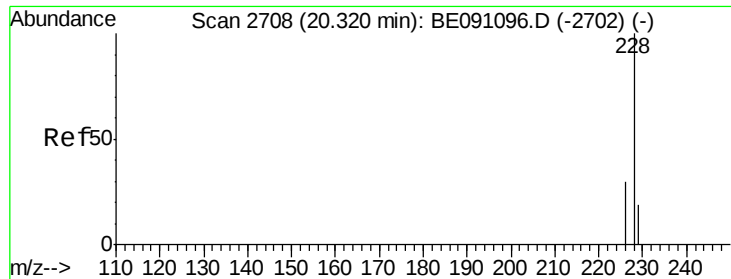
Ion Ratio Lower Upper

228 100

226 27.9 23.0 34.4

229 19.9 15.2 22.8





#21

Chrysene

Concen: 0.38 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. -0.00 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.495

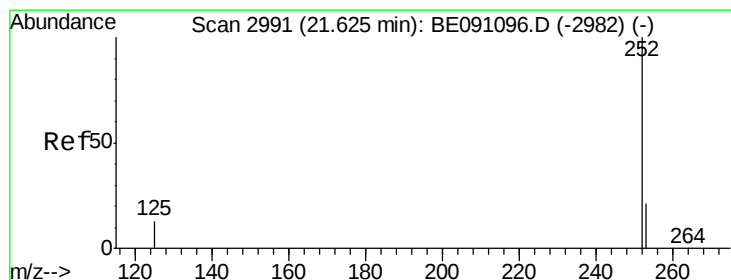
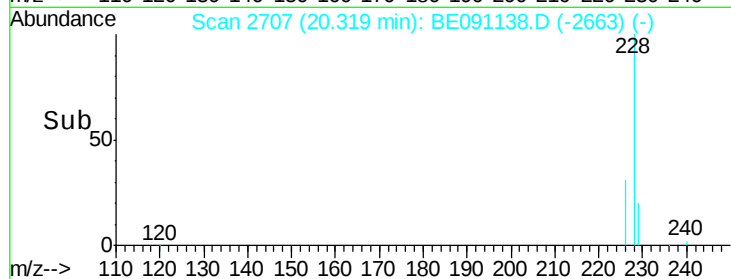
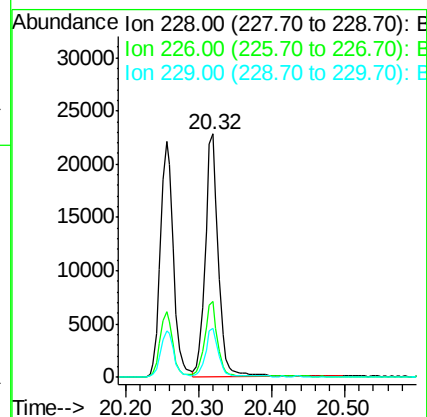
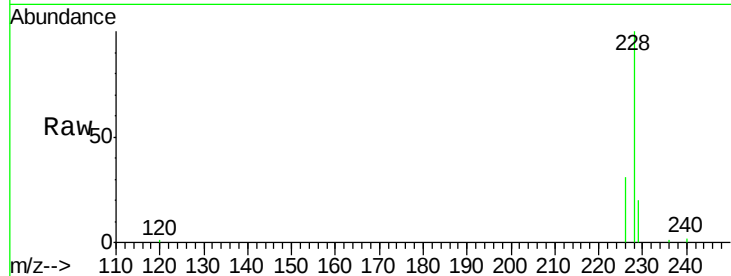
Tgt Ion:228 Resp: 28516

Ion Ratio Lower Upper

228 100

226 31.2 25.7 38.5

229 20.1 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.38 ng/ul

RT: 21.62 min Scan# 2989

Delta R.T. -0.00 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

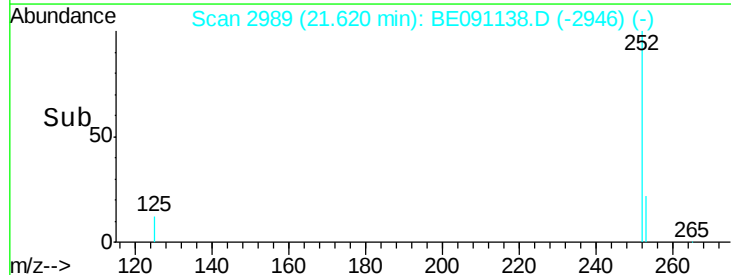
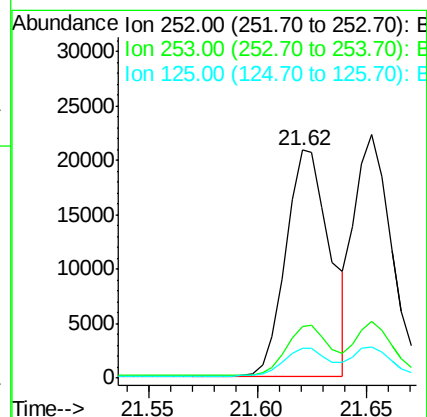
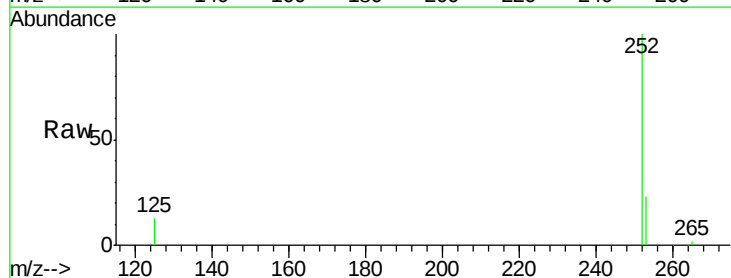
Tgt Ion:252 Resp: 29207

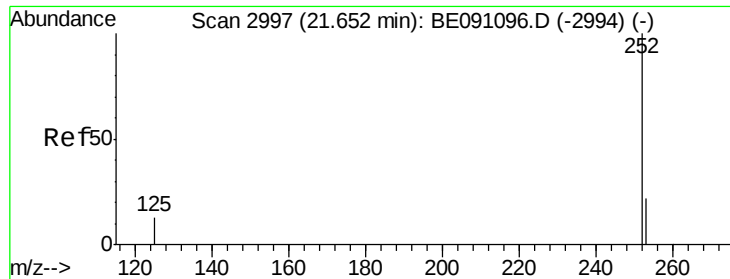
Ion Ratio Lower Upper

252 100

253 22.9 0.0 48.0

125 13.3 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.35 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. 0.00 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.495

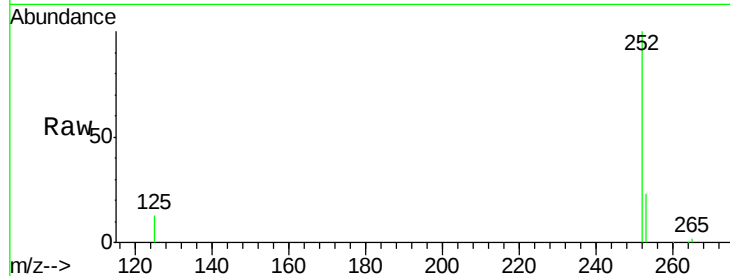
Tgt Ion:252 Resp: 27676

Ion Ratio Lower Upper

252 100

253 23.3 20.8 31.2

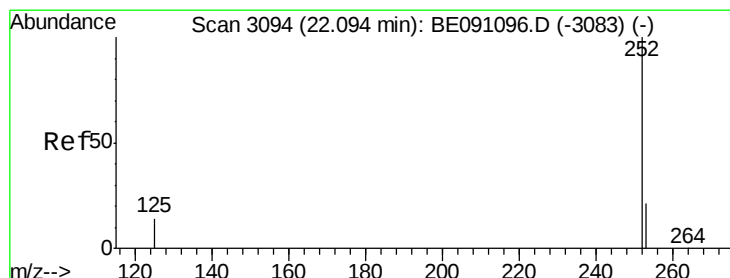
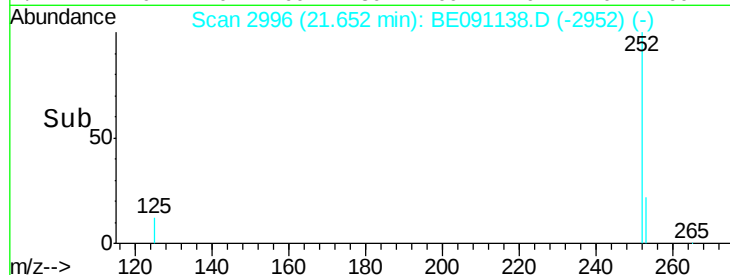
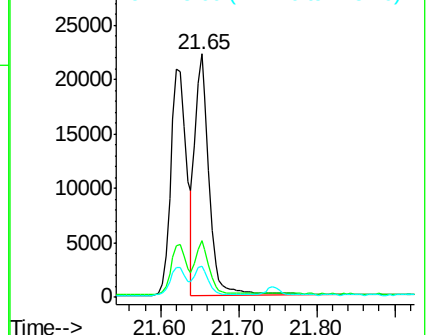
125 13.0 12.2 18.4



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: 0.38 ng/ul

RT: 22.09 min Scan# 3092

Delta R.T. -0.00 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

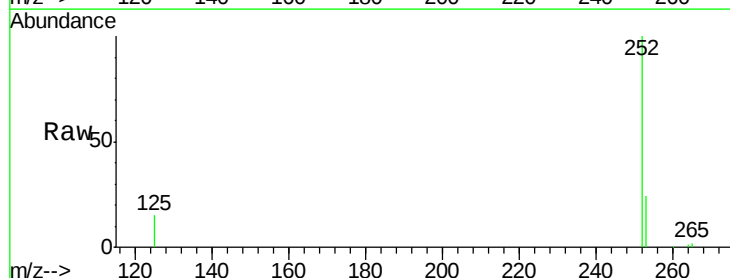
Tgt Ion:252 Resp: 27350

Ion Ratio Lower Upper

252 100

253 23.5 21.8 32.8

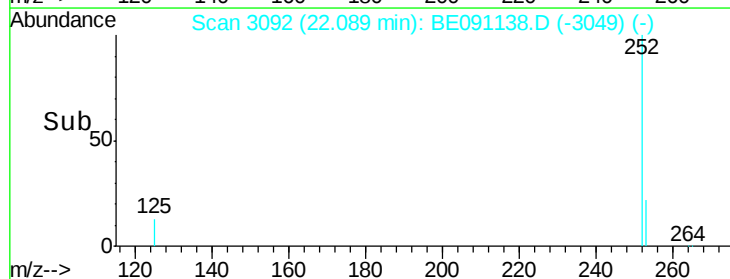
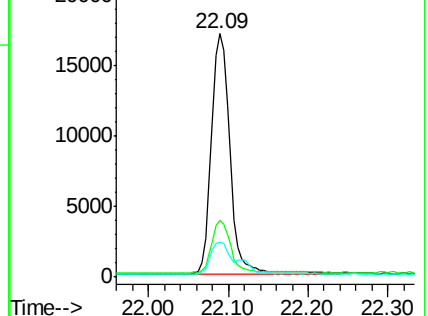
125 14.5 14.5 21.7

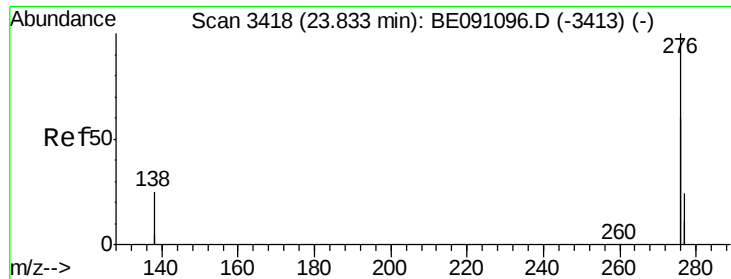


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.45 ng/ul

RT: 23.83 min Scan# 3416

Delta R.T. -0.01 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.495

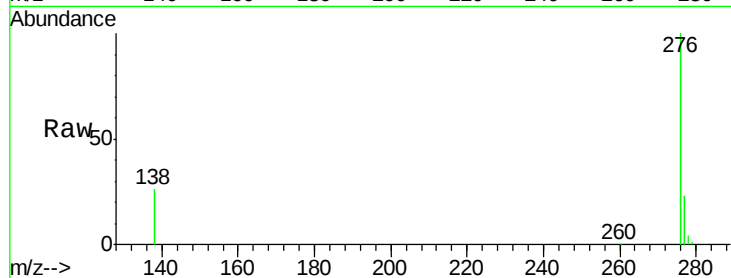
Tgt Ion:276 Resp: 134224

Ion Ratio Lower Upper

276 100

138 19.5 27.5 41.3#

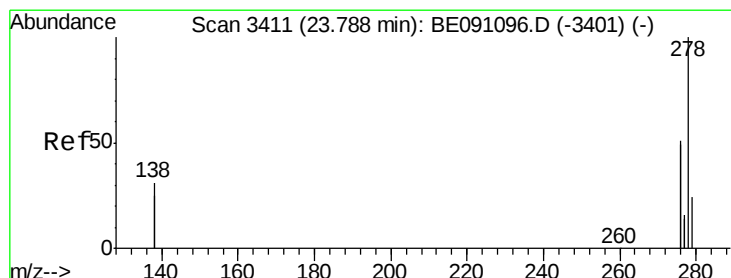
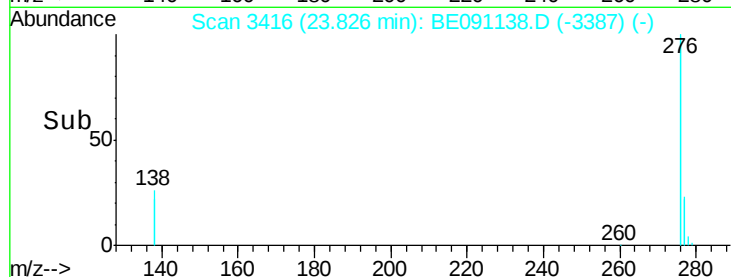
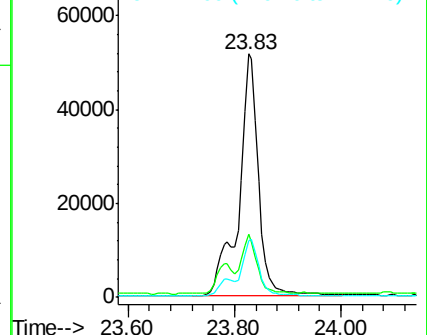
277 19.2 19.3 28.9#



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: 0.38 ng/ul

RT: 23.79 min Scan# 3410

Delta R.T. -0.00 min

Lab File: BE091138.D

Acq: 12 Nov 2015 10:51

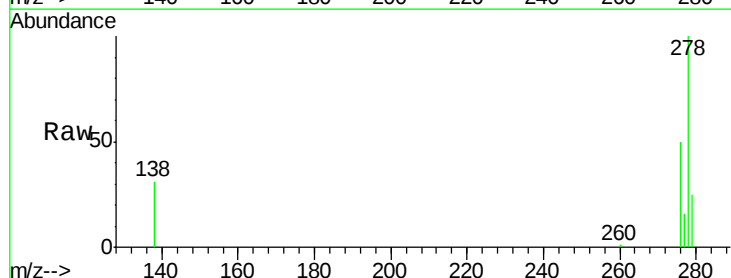
Tgt Ion:278 Resp: 27025

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

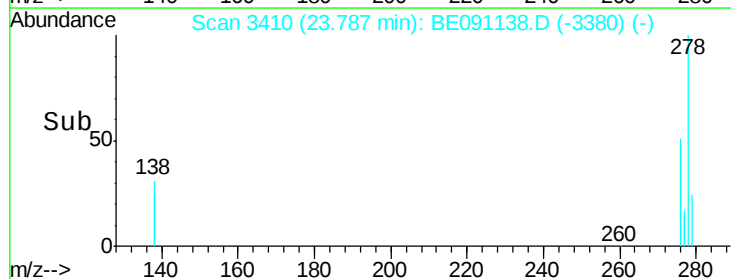
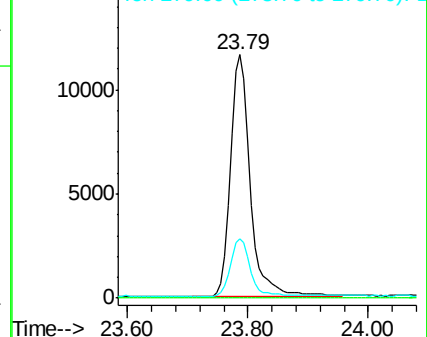
279 24.6 21.9 32.9

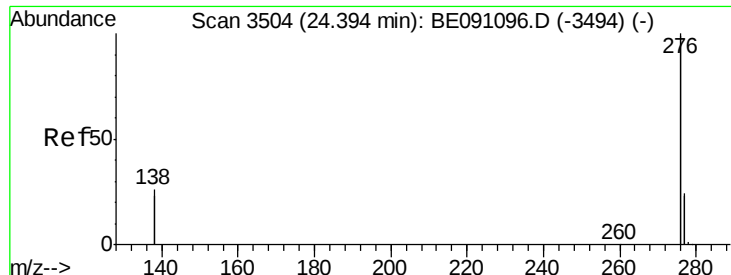


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.36 ng/ul

RT: 24.39 min Scan# 3503

Delta R.T. -0.00 min

Lab File: BE091138.D

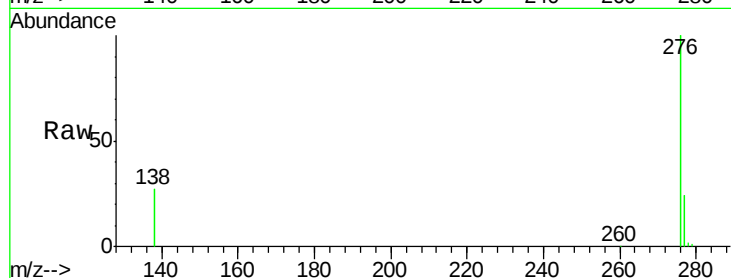
Acq: 12 Nov 2015 10:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.495



Tgt Ion: 276 Resp: 113456

Ion Ratio Lower Upper

276 100

277 24.3 21.3 31.9

138 27.4 25.5 38.3

