

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111015\
 Data File : BE091096.D
 Acq On : 10 Nov 2015 9:28
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.490

Quant Time: Nov 13 14:04:56 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	3537	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	19269	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	10527	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	25684	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	26279	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	24317	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.95	96	4295	1.69	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.08	152	10426	0.40	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	25690	0.36	ng/ul	0.00

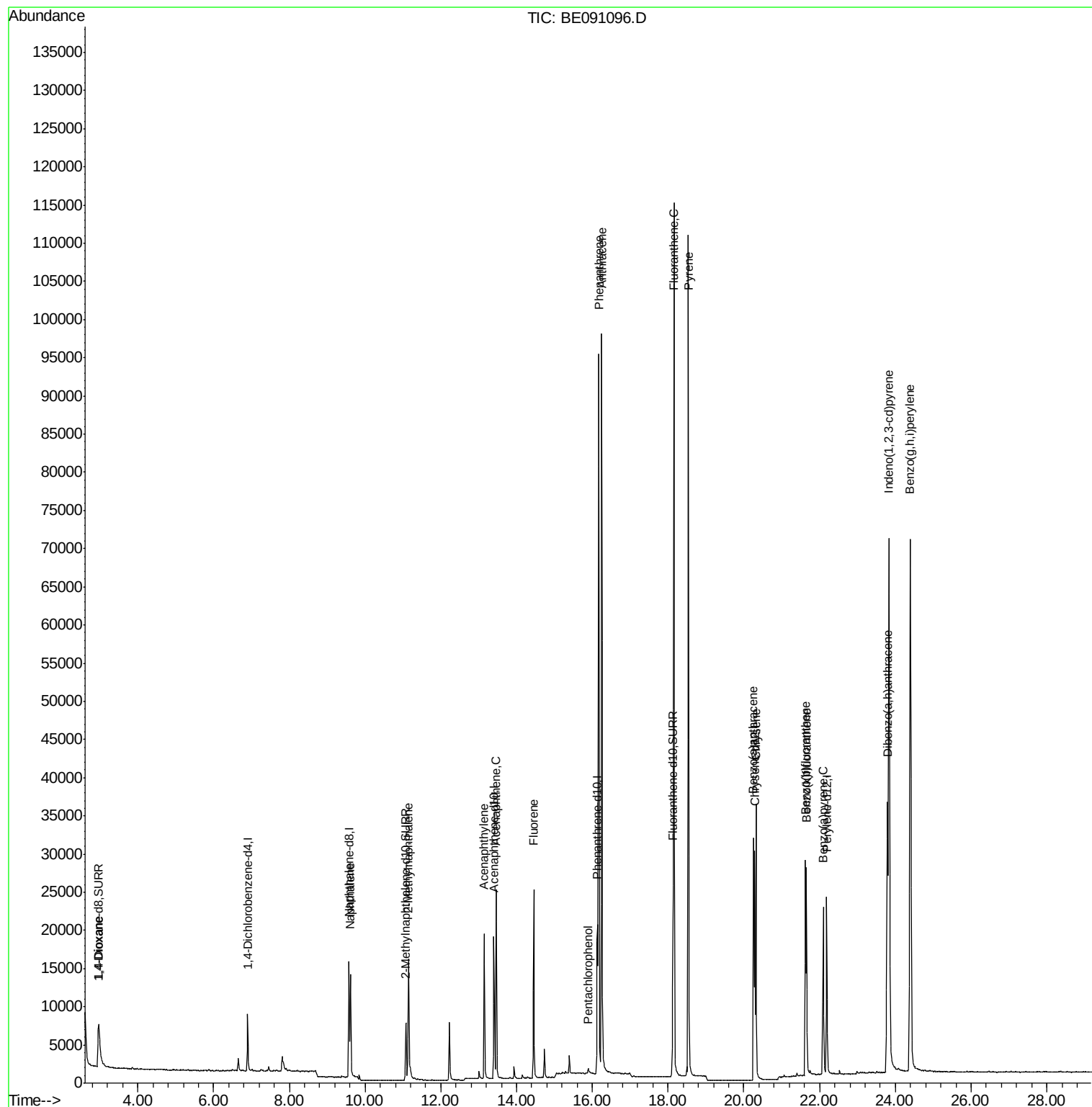
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.97	88	4812	1.67	ng/ul#	66
5) Naphthalene	9.62	128	18267	0.38	ng/ul	98
7) 2-Methylnaphthalene	11.15	142	12222	0.39	ng/ul	91
9) Acenaphthylene	13.15	152	20706	0.39	ng/ul	97
10) Acenaphthene	13.46	153	13676	0.38	ng/ul	91
11) Fluorene	14.45	166	16553	0.36	ng/ul	90
13) Pentachlorophenol	15.89	266	715	0.29	ng/ul	95
14) Phenanthrene	16.17	178	111486	0.38	ng/ul	96
15) Anthracene	16.25	178	105609	0.39	ng/ul	98
17) Fluoranthene	18.15	202	123982	0.36	ng/ul	88
19) Pyrene	18.54	202	119197	0.40	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	26187	0.39	ng/ul	99
21) Chrysene	20.32	228	29502	0.38	ng/ul	98
23) Benzo(b)fluoranthene	21.62	252	27268	0.36	ng/ul	93
24) Benzo(k)fluoranthene	21.65	252	28652	0.37	ng/ul	94
25) Benzo(a)pyrene	22.09	252	25726	0.37	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	106035	0.36	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.79	278	25905	0.37	ng/ul#	72
28) Benzo(g,h,i)perylene	24.39	276	113673	0.37	ng/ul	92

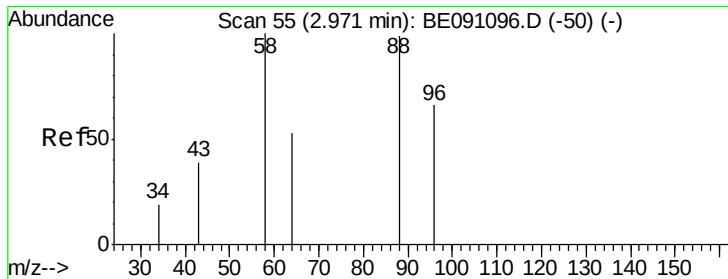
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.67 ng/ul

RT: 2.97 min Scan# 55

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.490

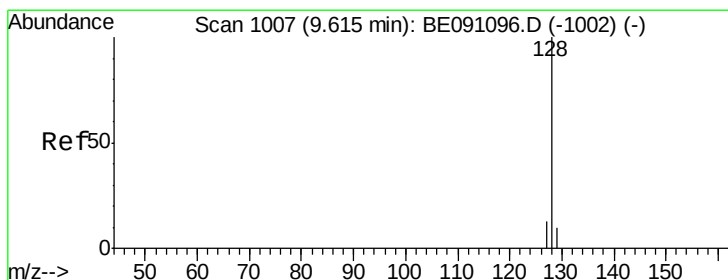
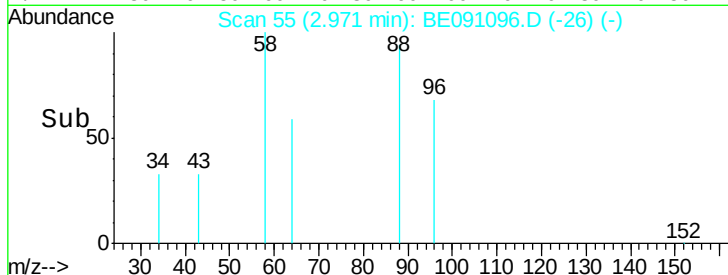
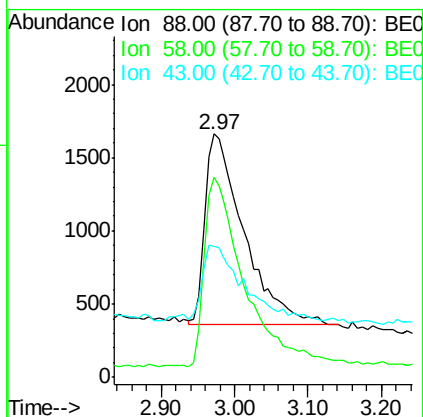
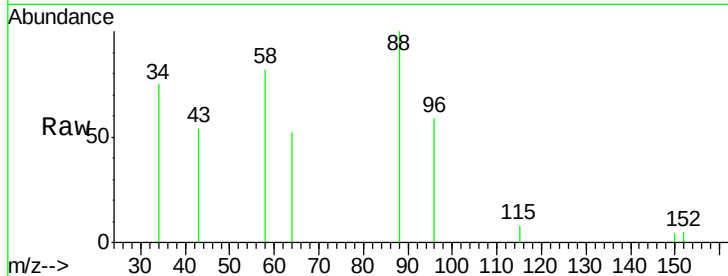
Tgt Ion: 88 Resp: 4812

Ion Ratio Lower Upper

88 100

58 102.2 55.4 83.2#

43 41.1 24.2 36.2#



#5

Naphthalene

Concen: 0.38 ng/ul

RT: 9.62 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

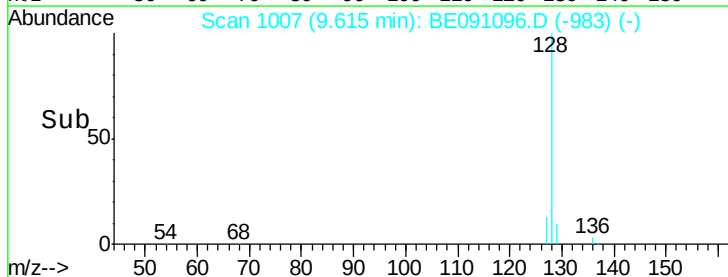
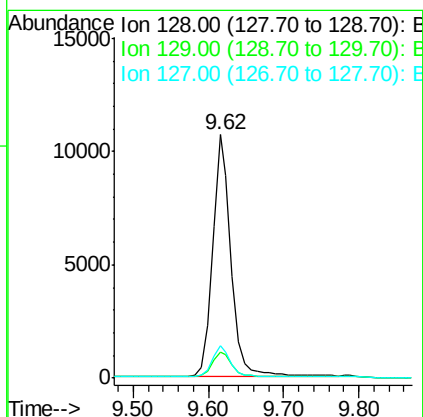
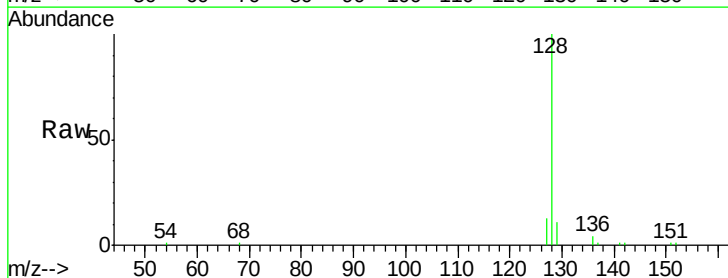
Tgt Ion: 128 Resp: 18267

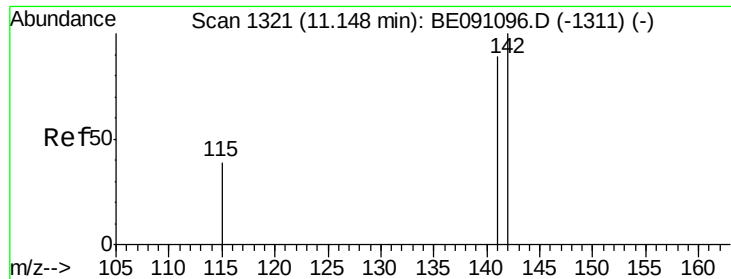
Ion Ratio Lower Upper

128 100

129 10.6 9.8 14.8

127 13.1 10.7 16.1





#7

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 11.15 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

Instrument :

BNA_E

ClientSampleId :

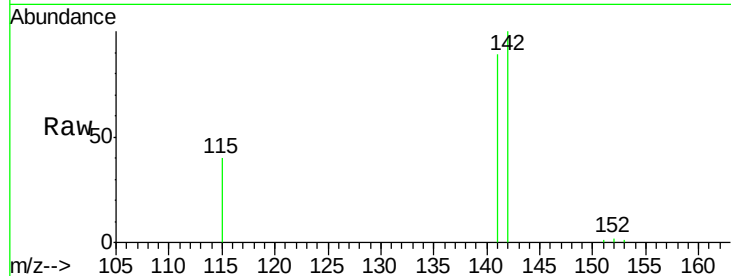
SSTD0.490

Tgt Ion:142 Resp: 12222

Ion Ratio Lower Upper

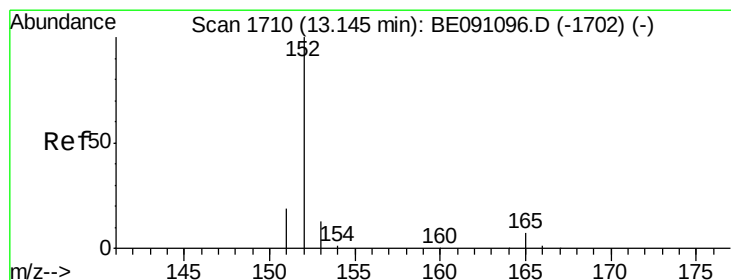
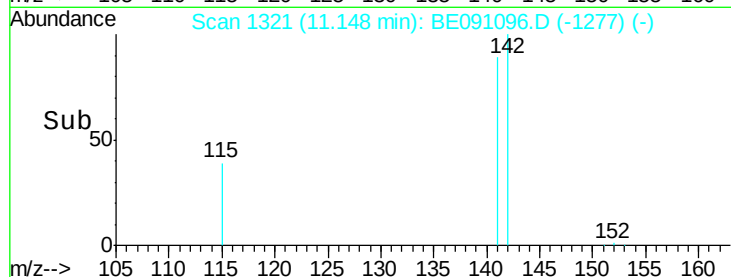
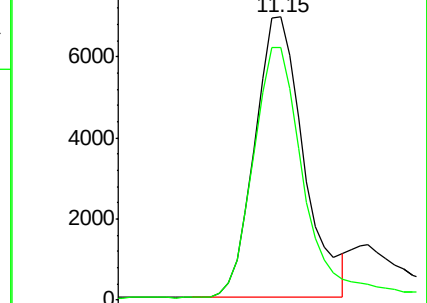
142 100

141 96.0 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: 13.15 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

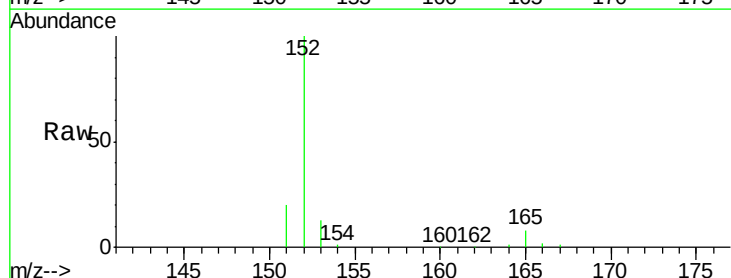
Tgt Ion:152 Resp: 20706

Ion Ratio Lower Upper

152 100

151 19.7 16.8 25.2

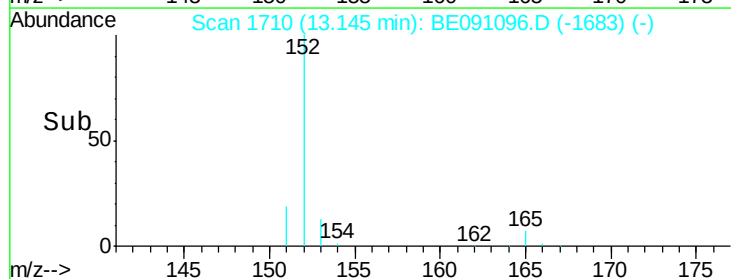
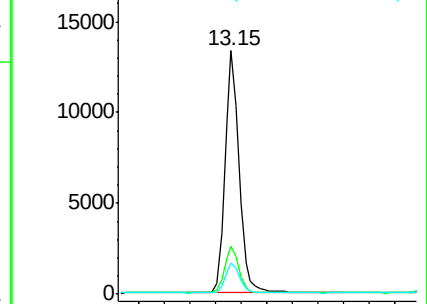
153 13.0 11.3 16.9

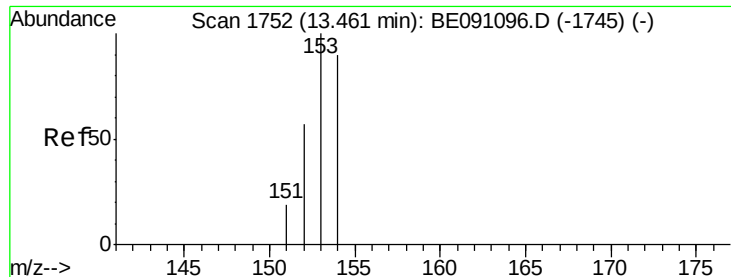


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.38 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.490

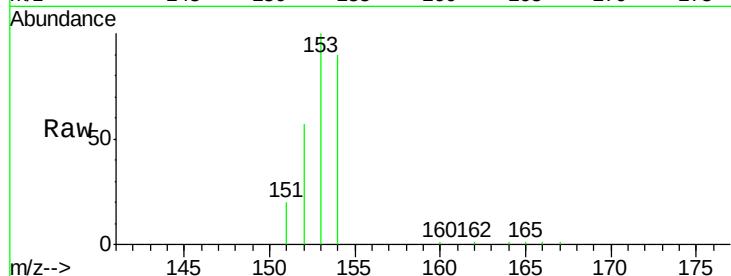
Tgt Ion:153 Resp: 13676

Ion Ratio Lower Upper

153 100

152 57.4 42.3 63.5

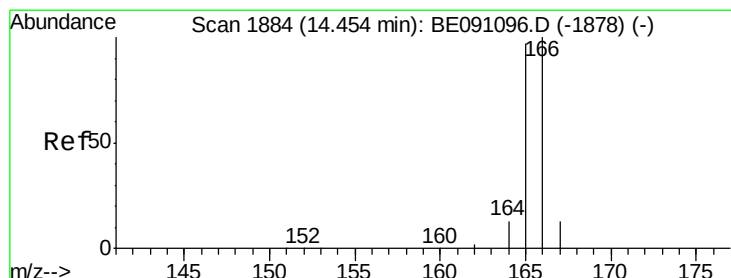
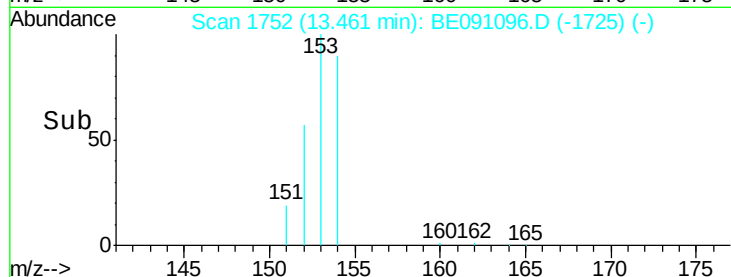
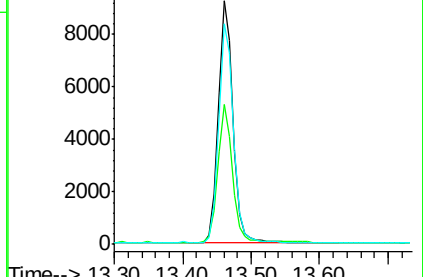
154 90.3 64.7 97.1



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: 0.36 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

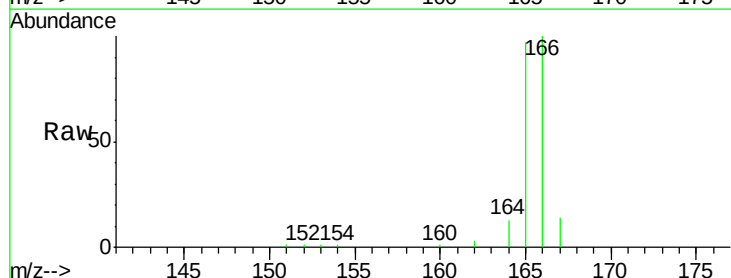
Tgt Ion:166 Resp: 16553

Ion Ratio Lower Upper

166 100

165 97.5 87.6 131.4

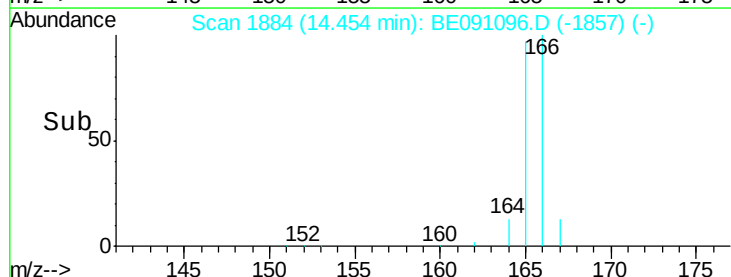
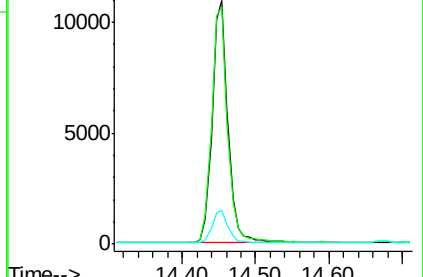
167 13.8 11.1 16.7

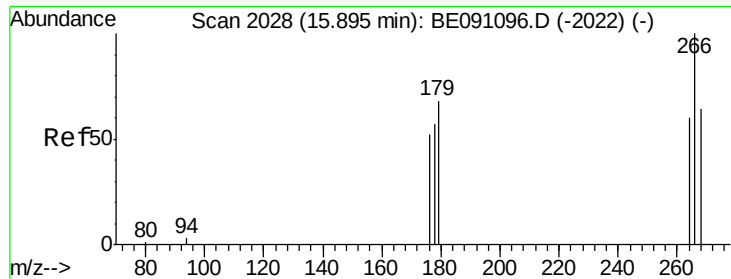


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

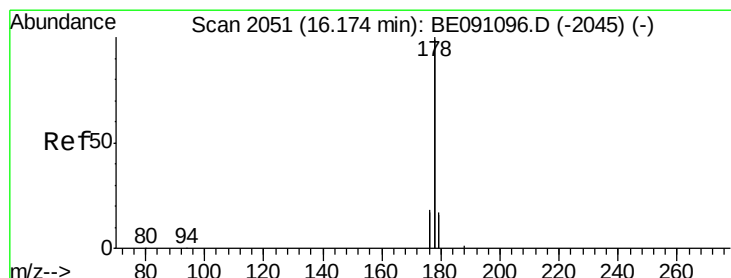
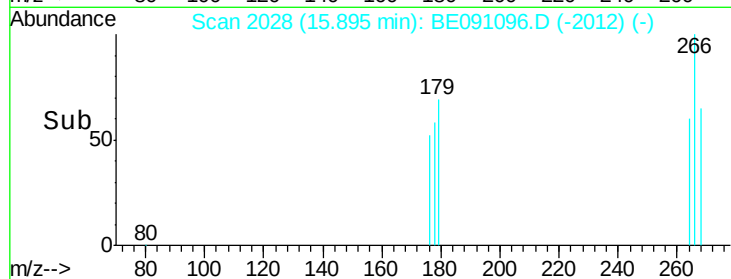
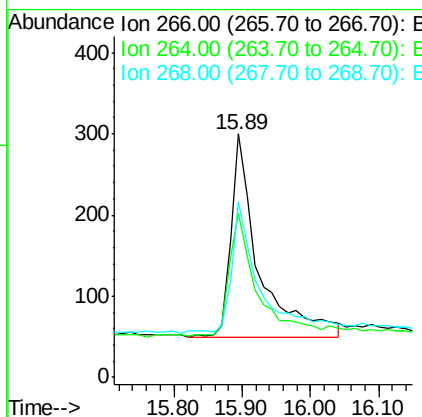
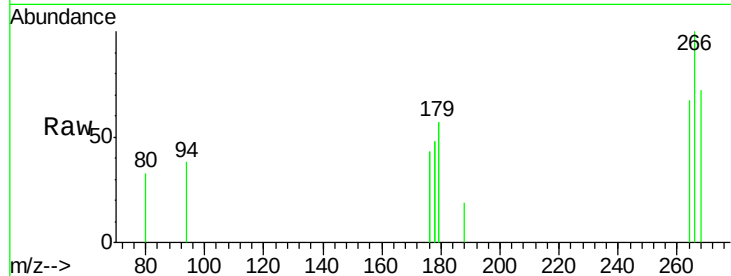




#13
 Pentachlorophenol
 Concen: 0.29 ng/ul
 RT: 15.89 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BE091096.D
 Acq: 10 Nov 2015 9:28

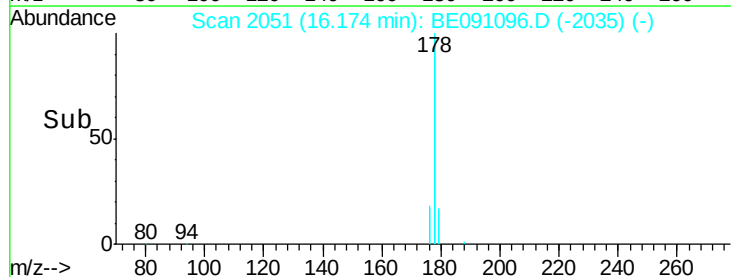
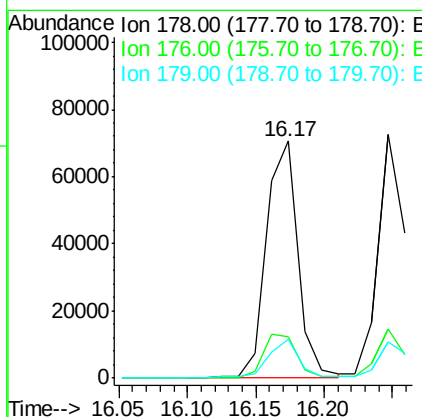
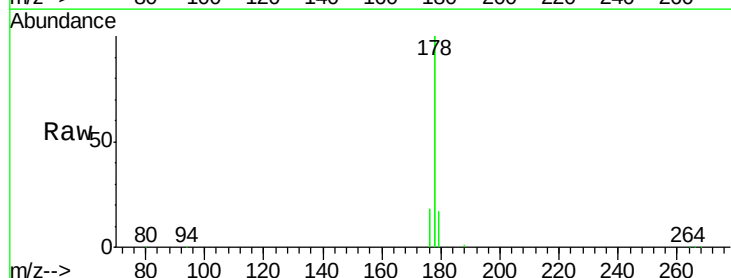
Instrument :
 BNA_E
 ClientSampleId :
 SST0.490

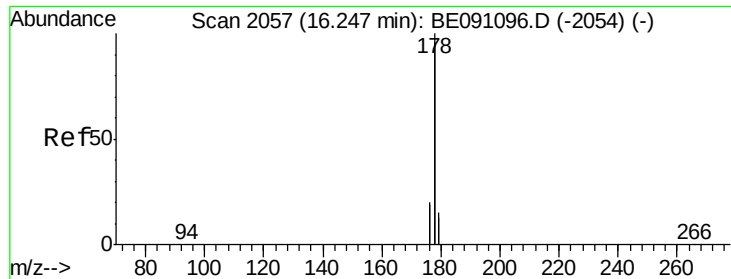
Tgt Ion: 266 Resp: 715
 Ion Ratio Lower Upper
 266 100
 264 61.5 53.5 80.3
 268 65.7 54.2 81.2



#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 16.17 min Scan# 2051
 Delta R.T. 0.00 min
 Lab File: BE091096.D
 Acq: 10 Nov 2015 9:28

Tgt Ion: 178 Resp: 111486
 Ion Ratio Lower Upper
 178 100
 176 17.6 16.2 24.4
 179 16.6 12.8 19.2





#15

Anthracene

Concen: 0.39 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.490

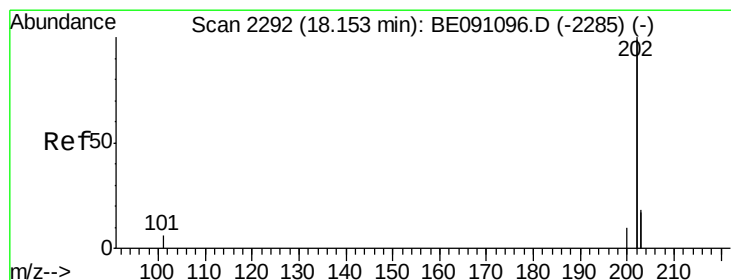
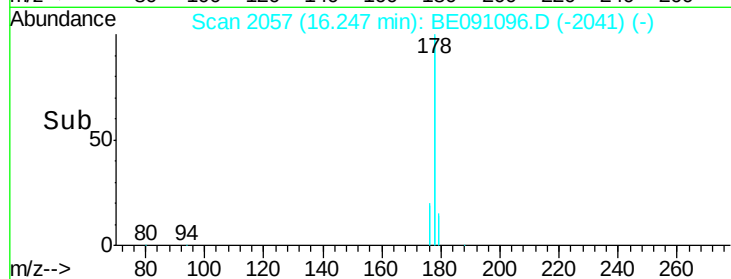
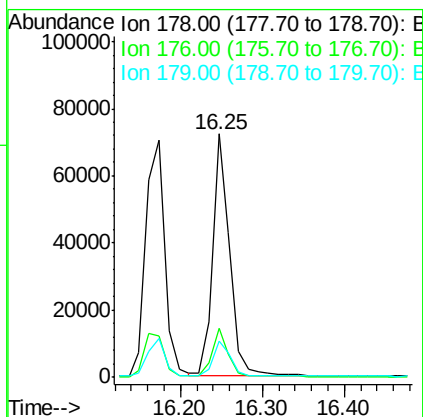
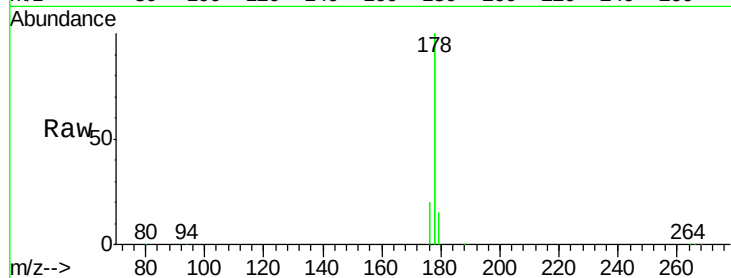
Tgt Ion:178 Resp: 105609

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

179 14.7 13.3 19.9



#17

Fluoranthene

Concen: 0.36 ng/ul

RT: 18.15 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

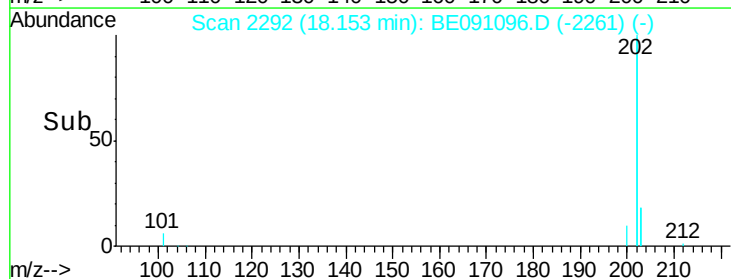
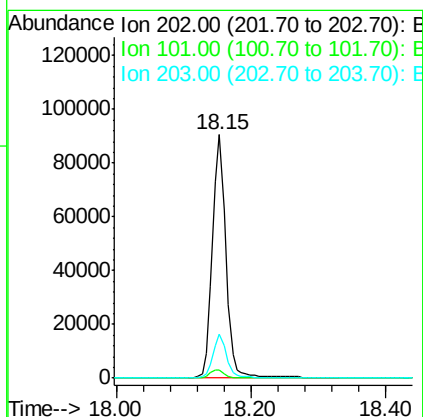
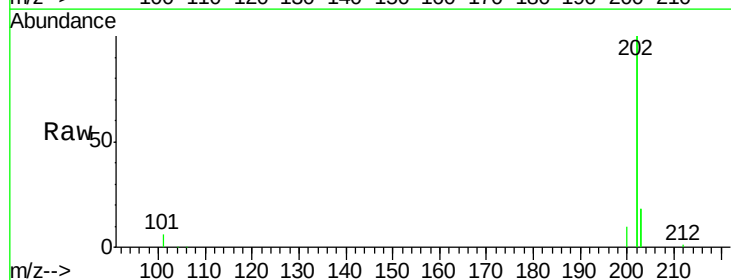
Tgt Ion:202 Resp: 123982

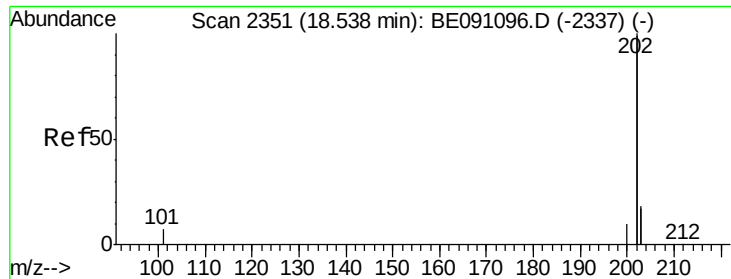
Ion Ratio Lower Upper

202 100

101 3.2 0.0 33.1

203 18.1 0.0 37.2





#19

Pyrene

Concen: 0.40 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.490

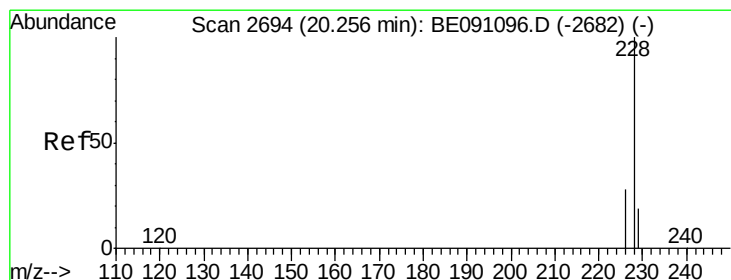
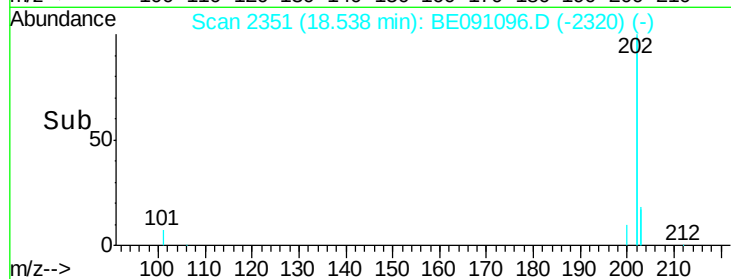
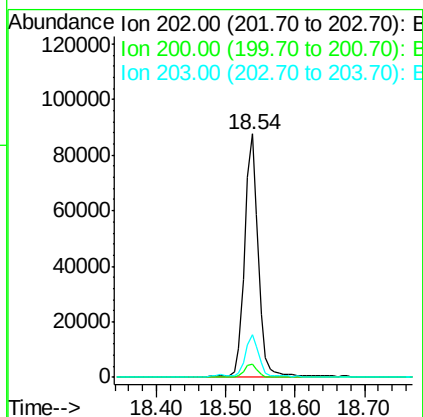
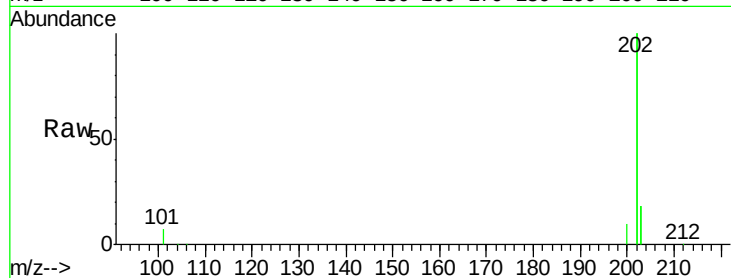
Tgt Ion:202 Resp: 119197

Ion Ratio Lower Upper

202 100

200 5.2 18.0 27.0#

203 17.6 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.39 ng/ul

RT: 20.26 min Scan# 2694

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

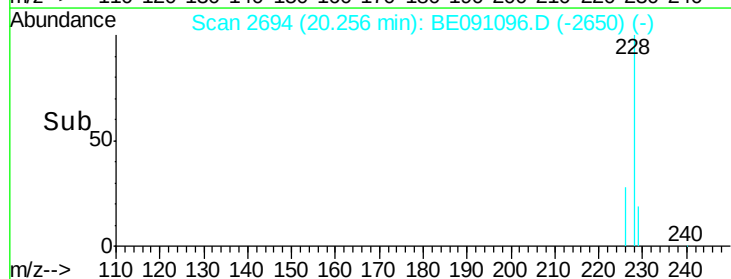
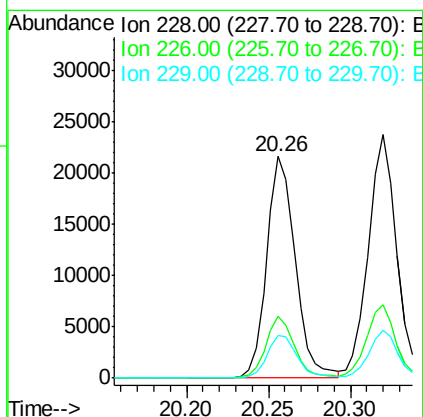
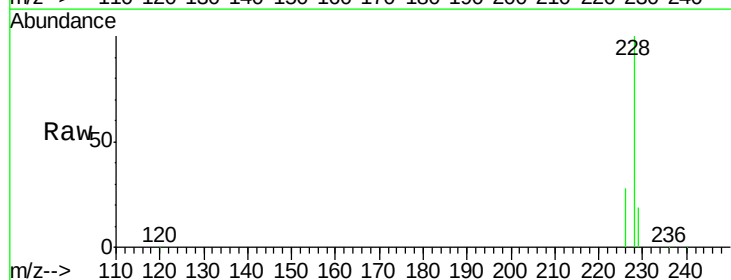
Tgt Ion:228 Resp: 26187

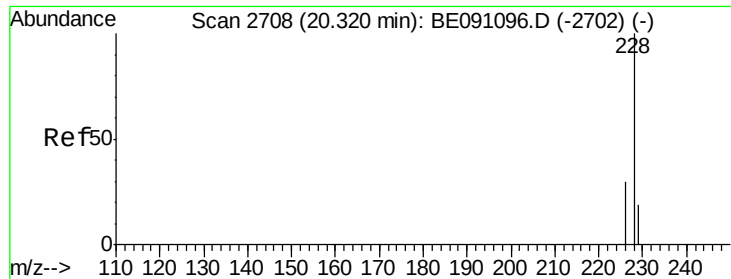
Ion Ratio Lower Upper

228 100

226 27.8 23.0 34.4

229 19.1 15.2 22.8





#21

Chrysene

Concen: 0.38 ng/ul

RT: 20.32 min Scan# 2708

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.490

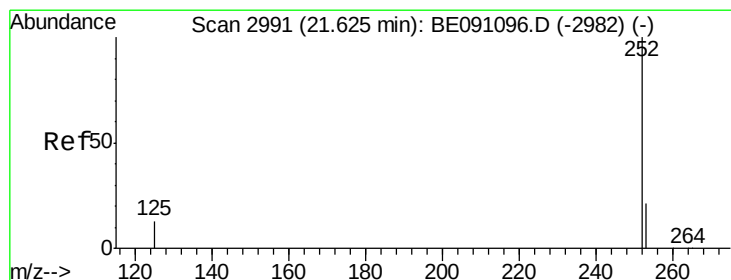
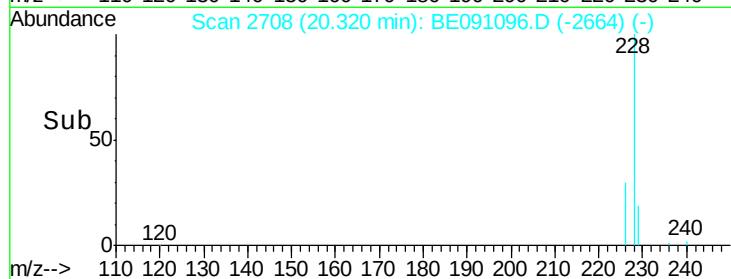
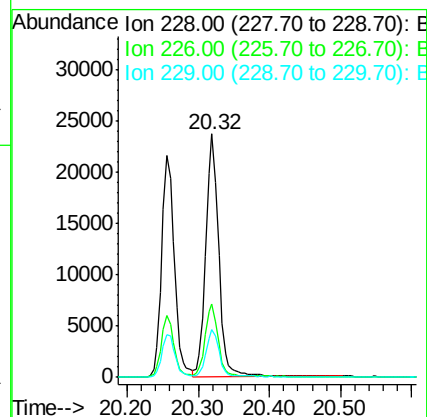
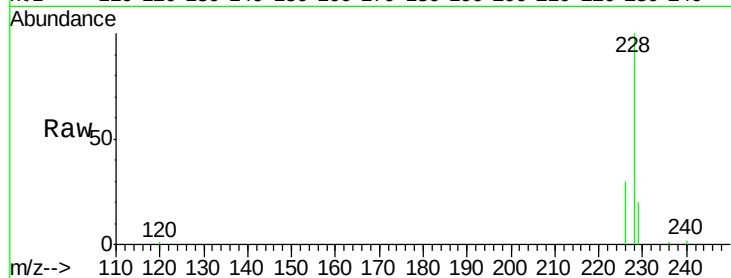
Tgt Ion:228 Resp: 29502

Ion Ratio Lower Upper

228 100

226 30.4 25.7 38.5

229 19.6 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.36 ng/ul

RT: 21.62 min Scan# 2991

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

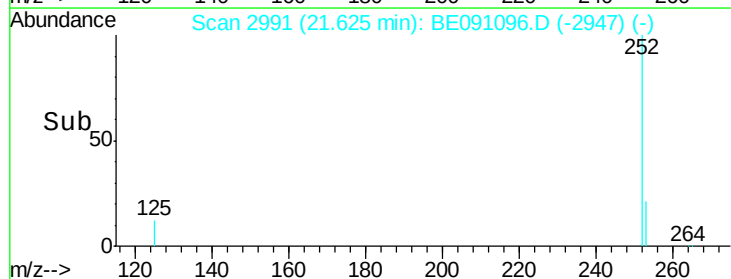
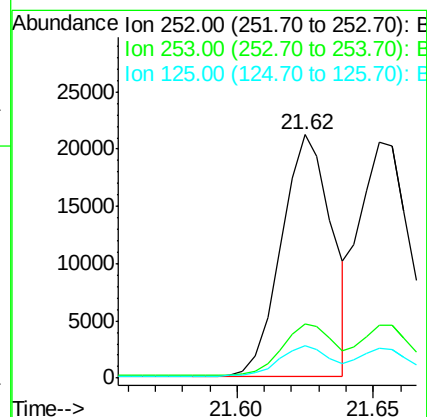
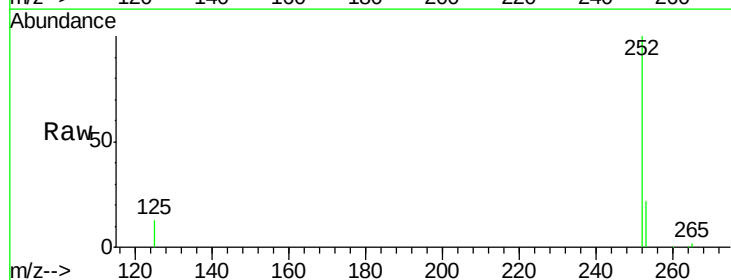
Tgt Ion:252 Resp: 27268

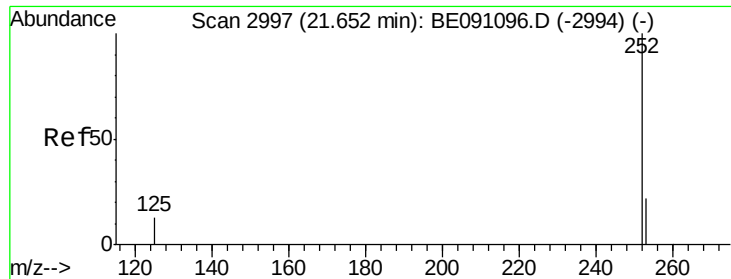
Ion Ratio Lower Upper

252 100

253 22.2 0.0 48.0

125 13.1 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.37 ng/ul

RT: 21.65 min Scan# 2997

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.490

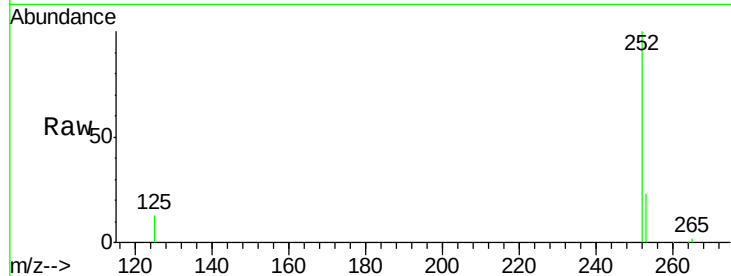
Tgt Ion:252 Resp: 28652

Ion Ratio Lower Upper

252 100

253 22.7 20.8 31.2

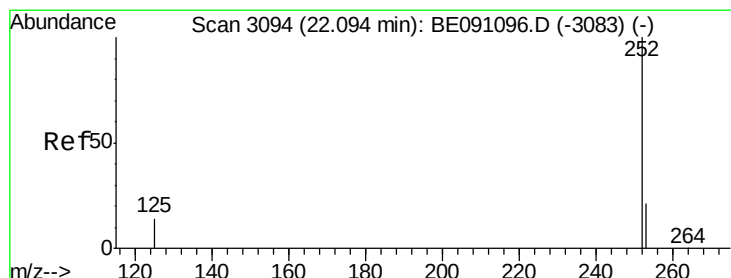
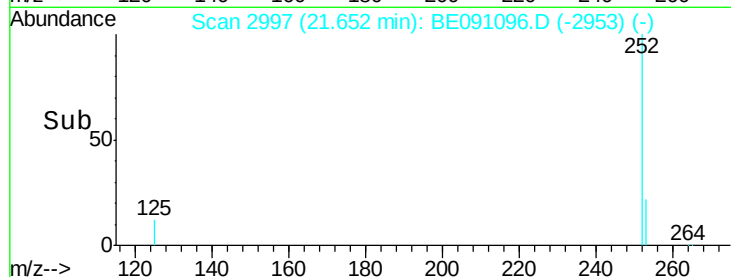
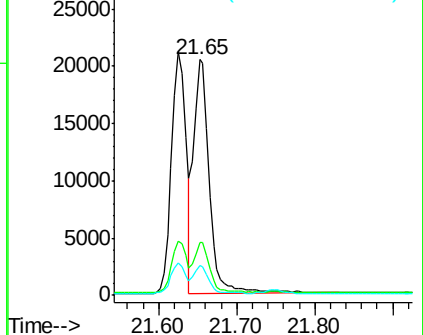
125 12.8 12.2 18.4



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: 0.37 ng/ul

RT: 22.09 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

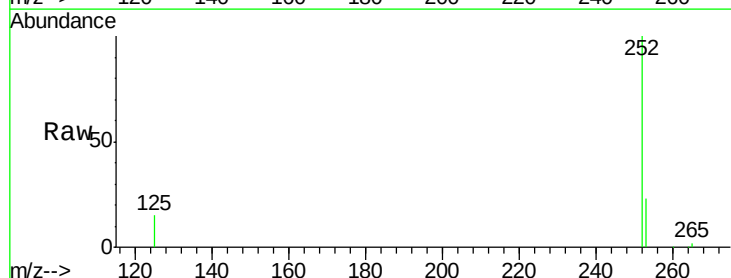
Tgt Ion:252 Resp: 25726

Ion Ratio Lower Upper

252 100

253 22.8 21.8 32.8

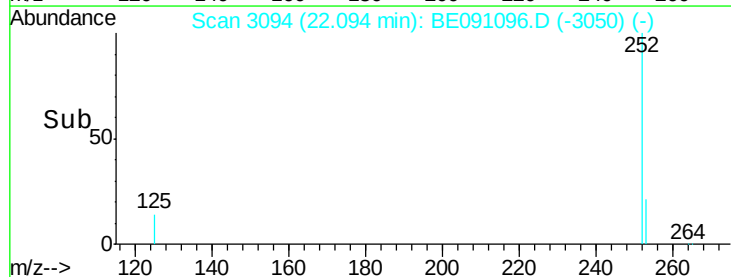
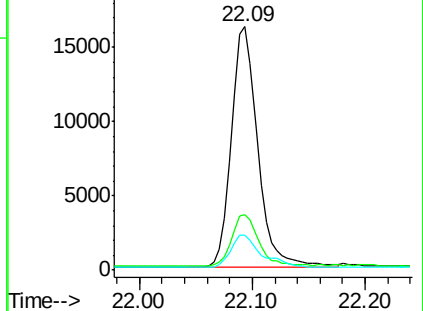
125 14.6 14.5 21.7

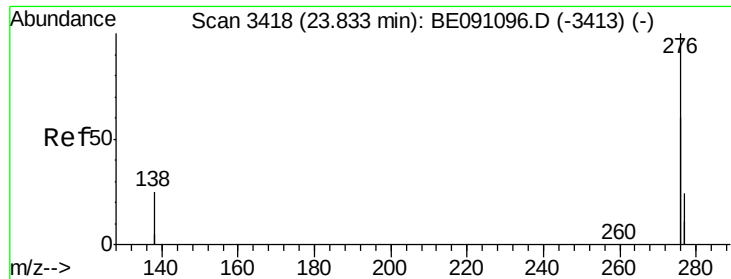


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.36 ng/ul

RT: 23.83 min Scan# 3418

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.490

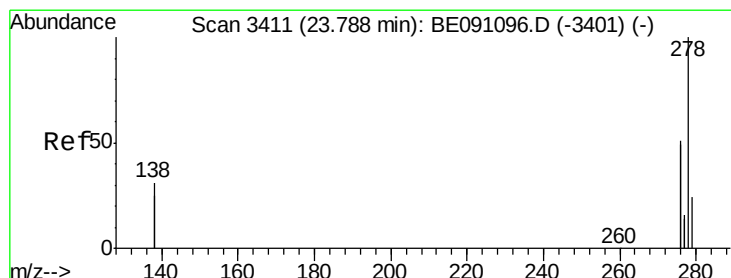
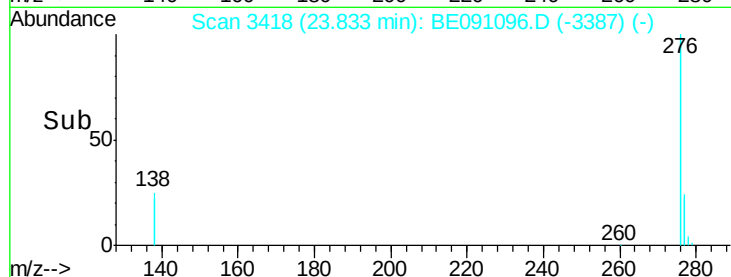
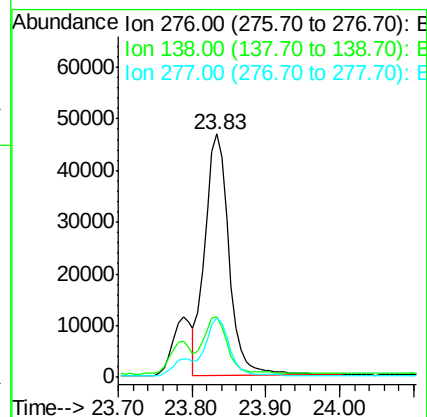
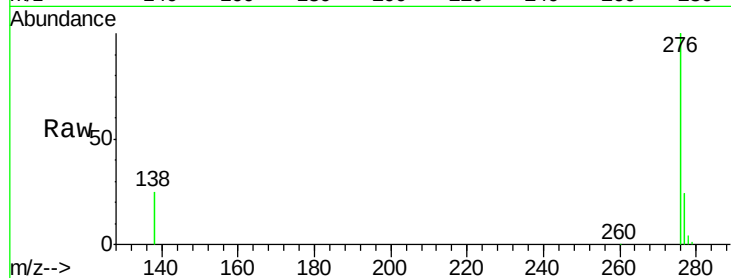
Tgt Ion:276 Resp: 106035

Ion Ratio Lower Upper

276 100

138 24.5 27.5 41.3#

277 23.9 19.3 28.9



#27

Dibenzo(a,h)anthracene

Concen: 0.37 ng/ul

RT: 23.79 min Scan# 3411

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

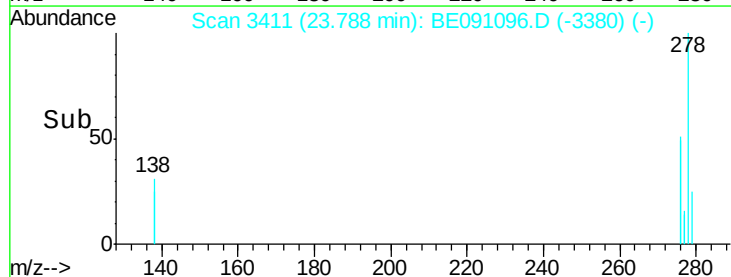
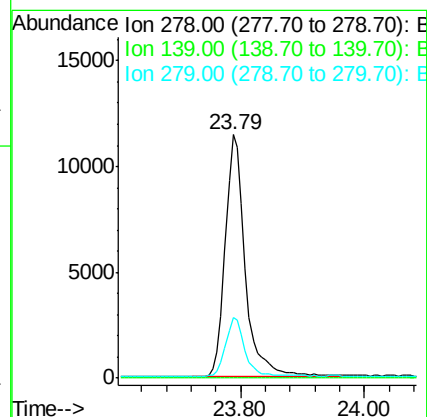
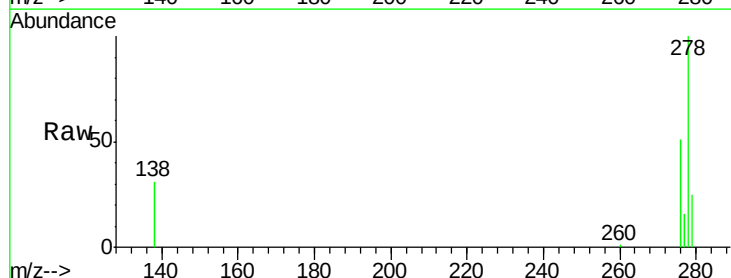
Tgt Ion:278 Resp: 25905

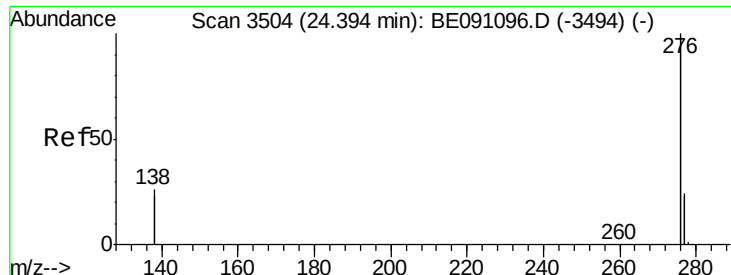
Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

279 25.1 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.37 ng/ul

RT: 24.39 min Scan# 3504

Delta R.T. 0.00 min

Lab File: BE091096.D

Acq: 10 Nov 2015 9:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.490

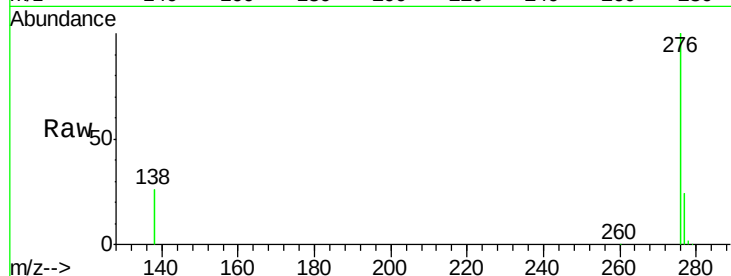
Tgt Ion: 276 Resp: 113673

Ion Ratio Lower Upper

276 100

277 24.0 21.3 31.9

138 26.4 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

