

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111015\
 Data File : BE091113.D
 Acq On : 11 Nov 2015 3:25
 Operator : UM/NP
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.492

Quant Time: Nov 13 14:06:38 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	6.90	152	3460	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	18923	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	10225	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	25230	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	24546	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	22023	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.95	96	4137	1.66	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.07	152	10083	0.39	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	24222	0.34	ng/ul	0.00

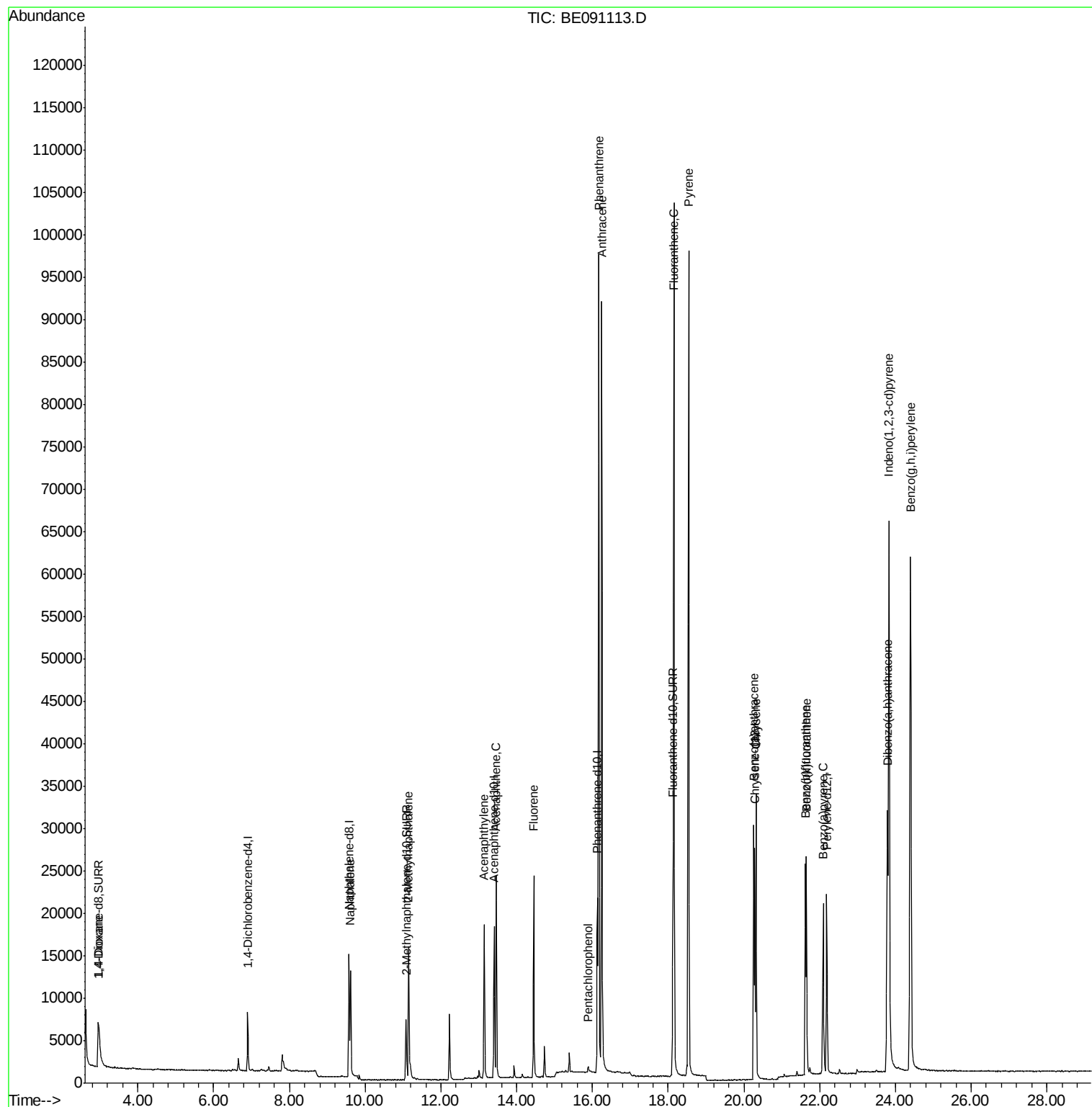
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.97	88	4650	1.65	ng/ul#	66
5) Naphthalene	9.61	128	17801	0.38	ng/ul	98
7) 2-Methylnaphthalene	11.15	142	11705	0.38	ng/ul	92
9) Acenaphthylene	13.14	152	19934	0.39	ng/ul	99
10) Acenaphthene	13.46	153	13488	0.39	ng/ul	92
11) Fluorene	14.45	166	16199	0.36	ng/ul	90
13) Pentachlorophenol	15.89	266	788	0.33	ng/ul	95
14) Phenanthrene	16.17	178	108584	0.37	ng/ul	96
15) Anthracene	16.25	178	101745	0.38	ng/ul	98
17) Fluoranthene	18.15	202	117443	0.34	ng/ul	88
19) Pyrene	18.54	202	112579	0.40	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	24090	0.38	ng/ul	98
21) Chrysene	20.32	228	27607	0.38	ng/ul	97
23) Benzo(b)fluoranthene	21.63	252	25587	0.37	ng/ul	95
24) Benzo(k)fluoranthene	21.65	252	26197	0.37	ng/ul	94
25) Benzo(a)pyrene	22.09	252	24246	0.38	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	119794	0.45	ng/ul#	80
27) Dibenzo(a,h)anthracene	23.79	278	23664	0.37	ng/ul#	70
28) Benzo(g,h,i)perylene	24.40	276	103774	0.37	ng/ul	92

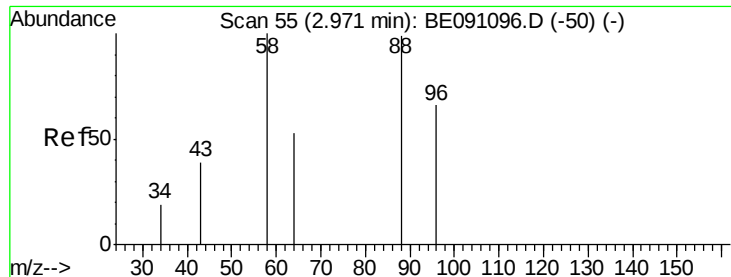
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111015\
Data File : BE091113.D
Acq On : 11 Nov 2015 3:25
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Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.492

Quant Time: Nov 13 14:06:38 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





#3

1,4-Dioxane

Concen: 1.65 ng/ul

RT: 2.97 min Scan# 55

Delta R.T. -0.00 min

Lab File: BE091113.D

Acq: 11 Nov 2015 3:25

Instrument :

BNA_E

ClientSampleId :

SSTD0.492

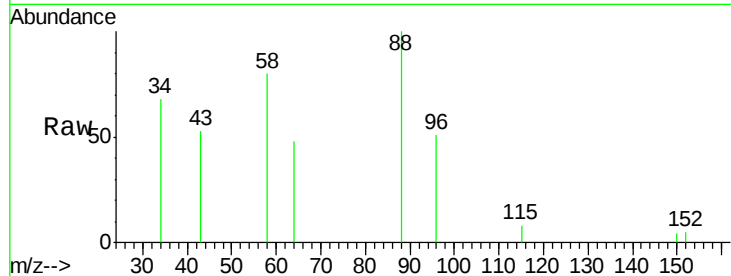
Tgt Ion: 88 Resp: 4650

Ion Ratio Lower Upper

88 100

58 101.7 55.4 83.2#

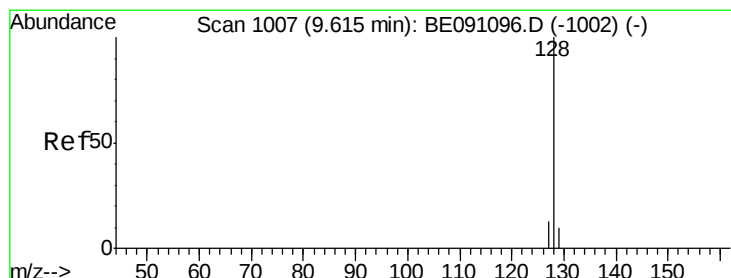
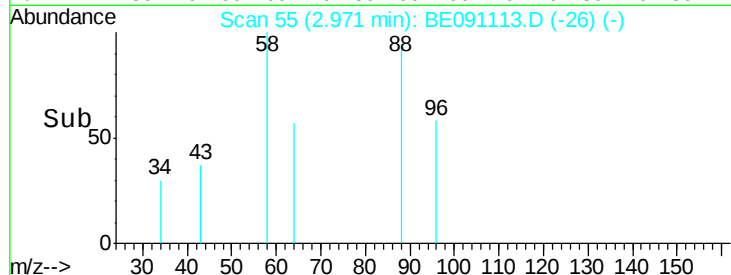
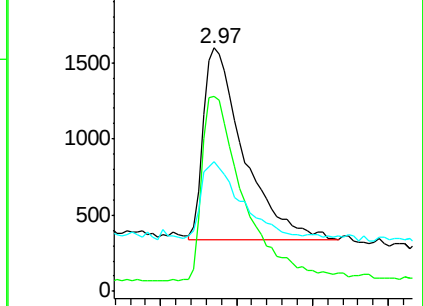
43 41.6 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091113.D (-983) (-)

Ion 58.00 (57.70 to 58.70): BE091113.D (-983) (-)

Ion 43.00 (42.70 to 43.70): BE091113.D (-983) (-)



#5

Naphthalene

Concen: 0.38 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091113.D

Acq: 11 Nov 2015 3:25

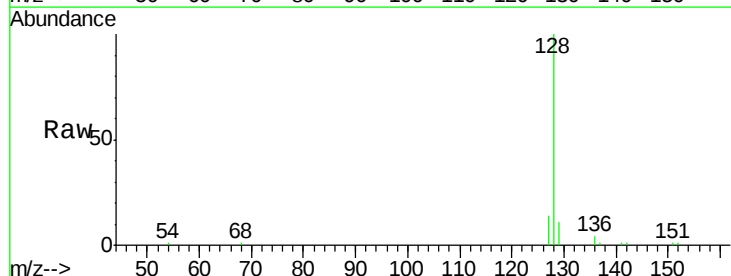
Tgt Ion: 128 Resp: 17801

Ion Ratio Lower Upper

128 100

129 11.4 9.8 14.8

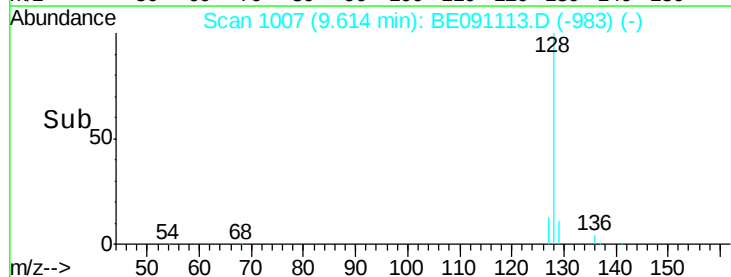
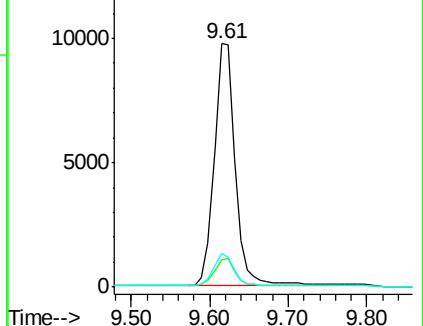
127 13.9 10.7 16.1

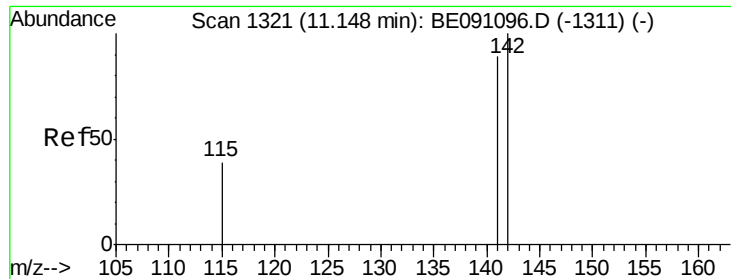


Abundance Ion 128.00 (127.70 to 128.70): BE091113.D (-983) (-)

Ion 129.00 (128.70 to 129.70): BE091113.D (-983) (-)

Ion 127.00 (126.70 to 127.70): BE091113.D (-983) (-)





#7

2-Methylnaphthalene

Concen: 0.38 ng/ul

RT: 11.15 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BE091113.D

Acq: 11 Nov 2015 3:25

Instrument :

BNA_E

ClientSampleId :

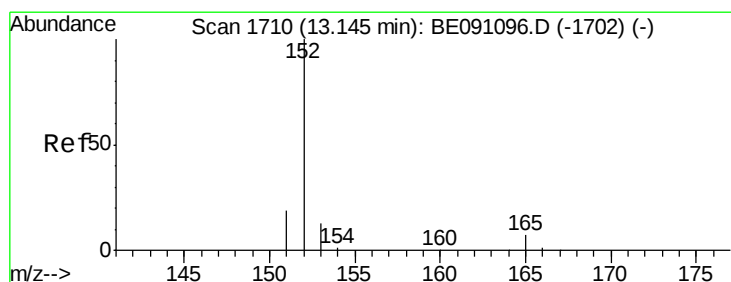
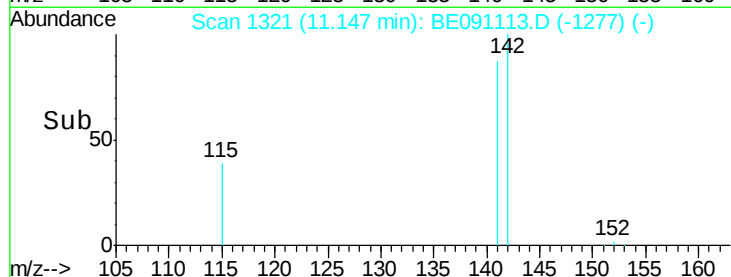
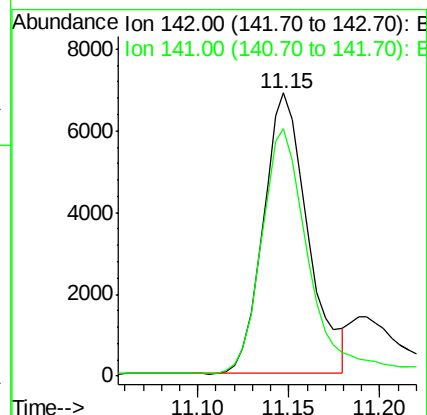
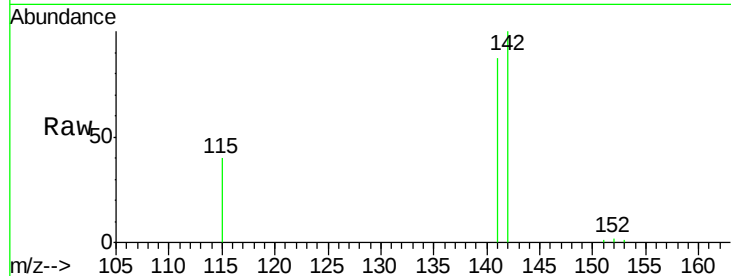
SSTD0.492

Tgt Ion:142 Resp: 11705

Ion Ratio Lower Upper

142 100

141 95.8 70.3 105.5



#9

Acenaphthylene

Concen: 0.39 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091113.D

Acq: 11 Nov 2015 3:25

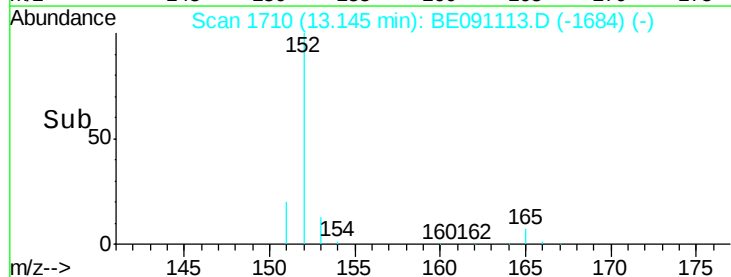
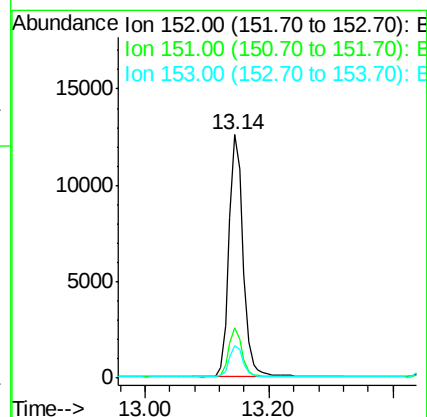
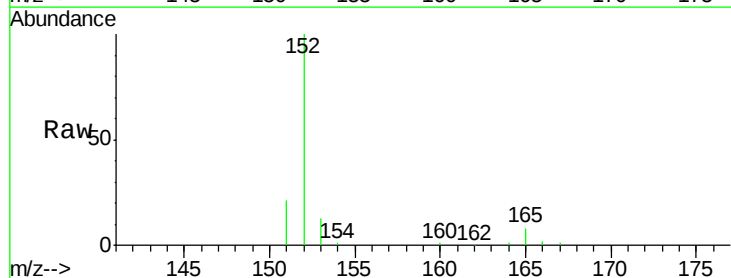
Tgt Ion:152 Resp: 19934

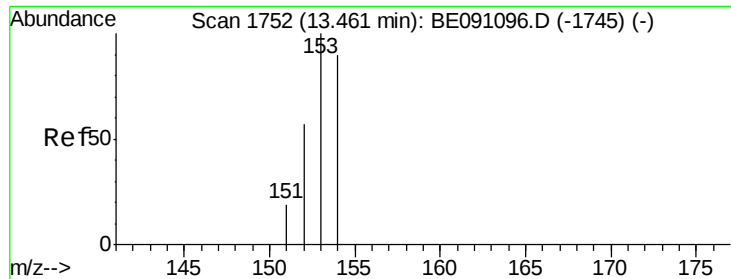
Ion Ratio Lower Upper

152 100

151 20.8 16.8 25.2

153 13.4 11.3 16.9





#10

Acenaphthene

Concen: 0.39 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BE091113.D

Acq: 11 Nov 2015 3:25

Instrument :

BNA_E

ClientSampleId :

SSTD0.492

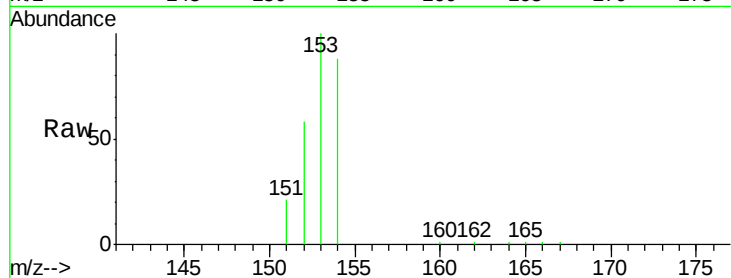
Tgt Ion:153 Resp: 13488

Ion Ratio Lower Upper

153 100

152 57.9 42.3 63.5

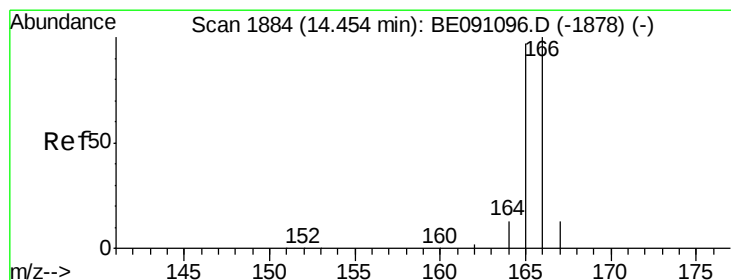
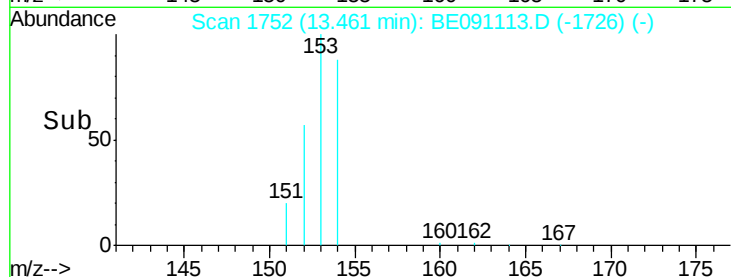
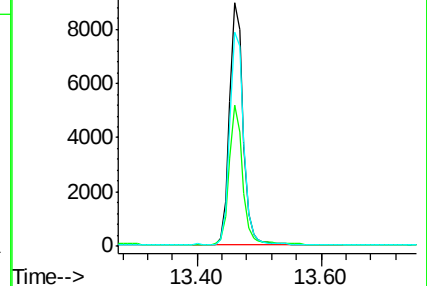
154 88.1 64.7 97.1



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: BE091113.D

Acq: 11 Nov 2015 3:25

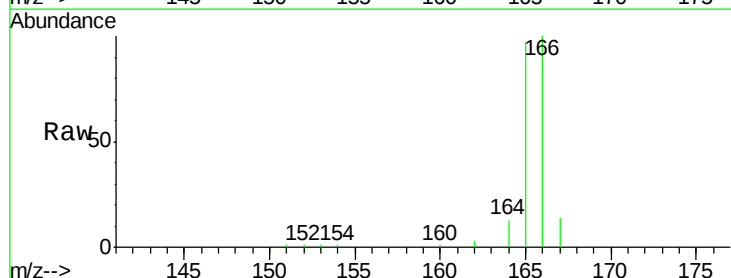
Tgt Ion:166 Resp: 16199

Ion Ratio Lower Upper

166 100

165 97.3 87.6 131.4

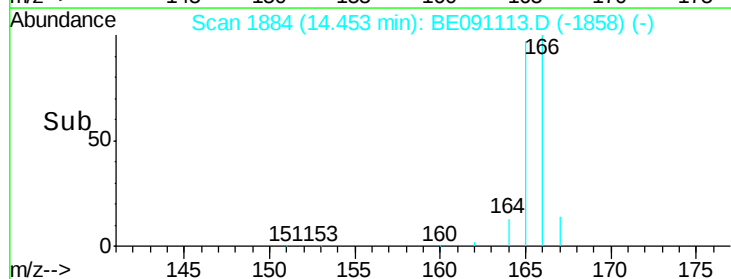
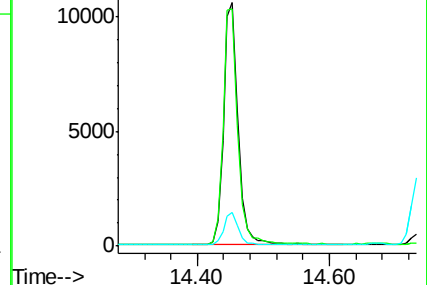
167 14.0 11.1 16.7

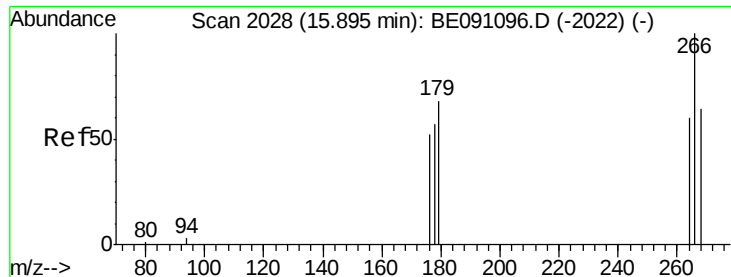


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

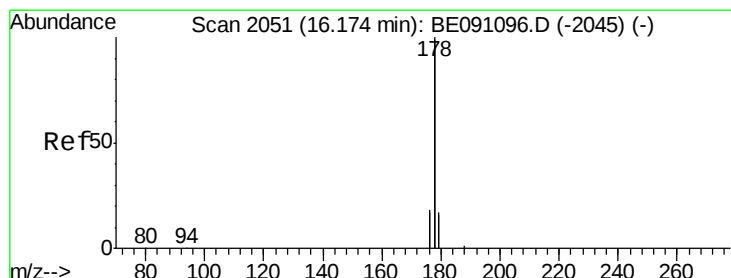
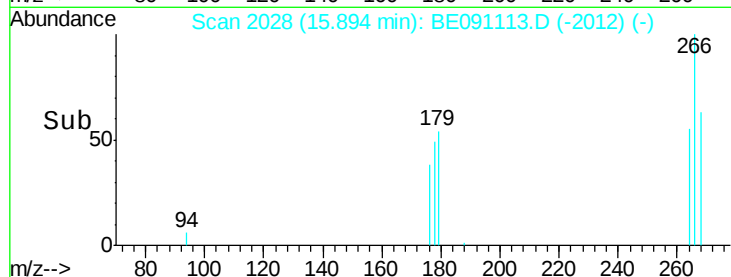
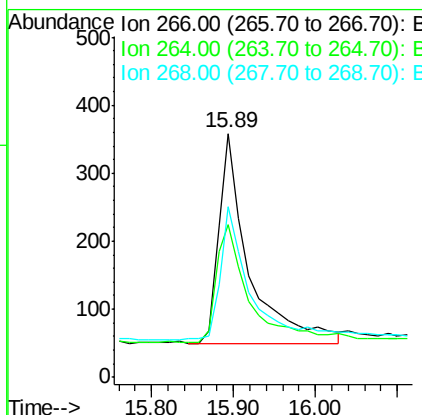
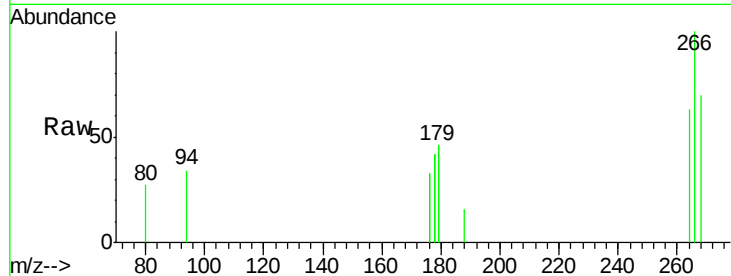




#13
 Pentachlorophenol
 Concen: 0.33 ng/ul
 RT: 15.89 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BE091113.D
 Acq: 11 Nov 2015 3:25

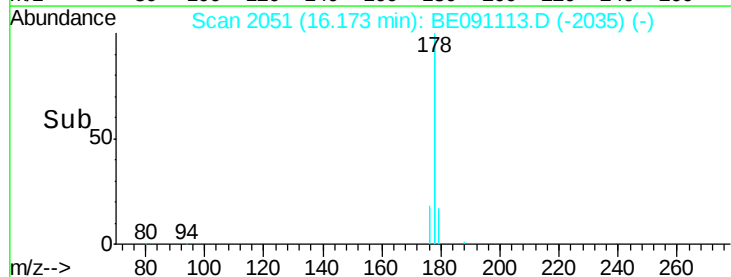
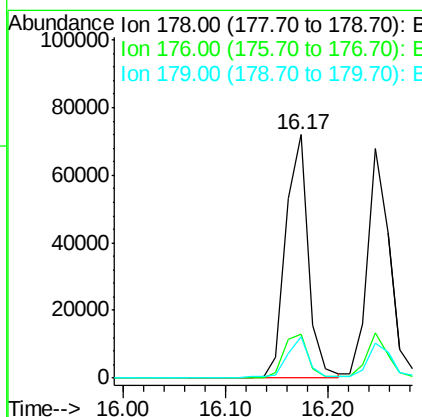
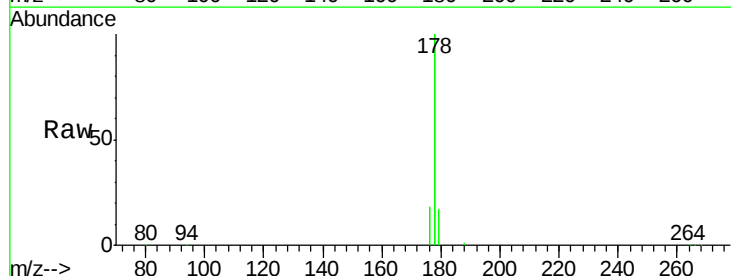
Instrument :
 BNA_E
 ClientSampleId :
 SST00.492

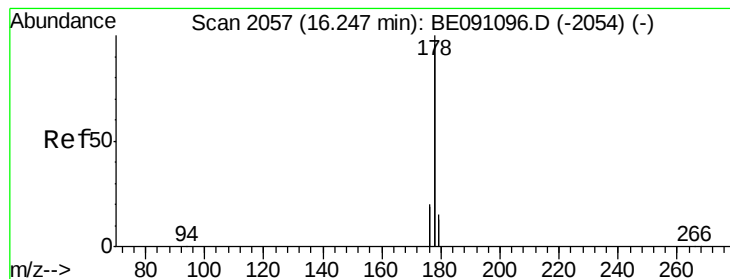
Tgt Ion: 266 Resp: 788
 Ion Ratio Lower Upper
 266 100
 264 64.2 53.5 80.3
 268 62.8 54.2 81.2



#14
 Phenanthrene
 Concen: 0.37 ng/ul
 RT: 16.17 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BE091113.D
 Acq: 11 Nov 2015 3:25

Tgt Ion: 178 Resp: 108584
 Ion Ratio Lower Upper
 178 100
 176 17.8 16.2 24.4
 179 16.8 12.8 19.2





#15

Anthracene

Concen: 0.38 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091113.D

Acq: 11 Nov 2015 3:25

Instrument :

BNA_E

ClientSampleId :

SSTD0.492

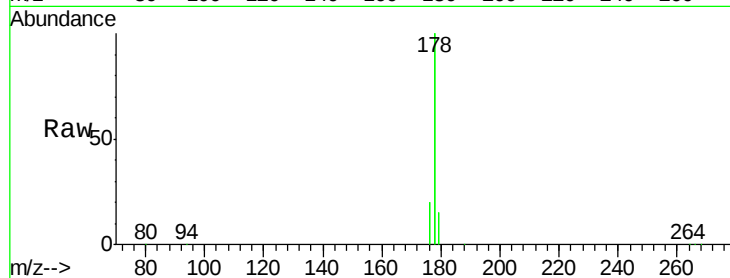
Tgt Ion:178 Resp: 101745

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

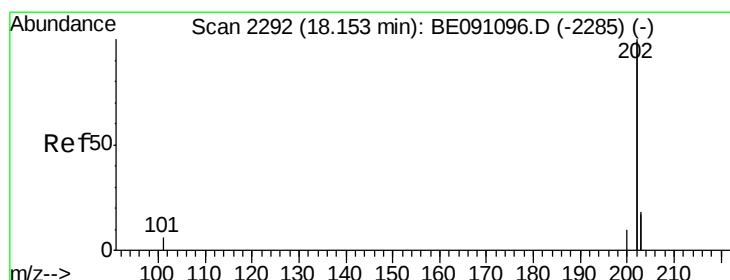
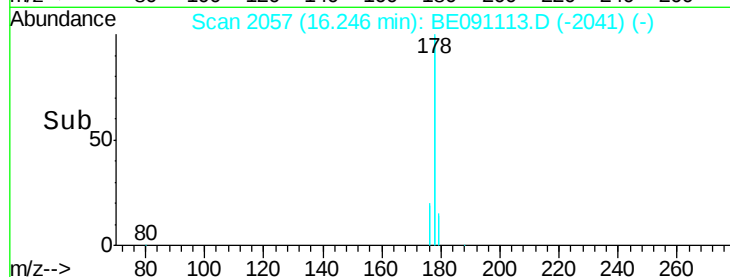
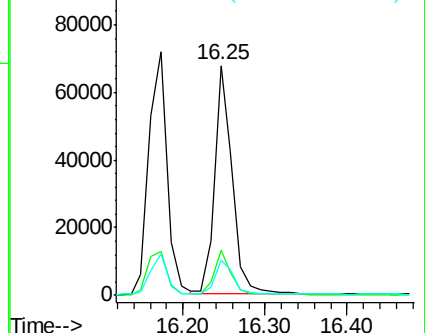
179 14.9 13.3 19.9



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: 0.34 ng/ul

RT: 18.15 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BE091113.D

Acq: 11 Nov 2015 3:25

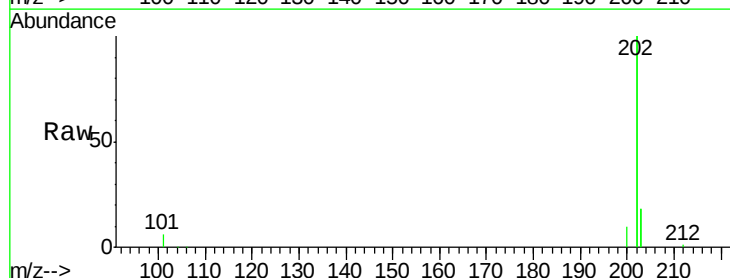
Tgt Ion:202 Resp: 117443

Ion Ratio Lower Upper

202 100

101 3.0 0.0 33.1

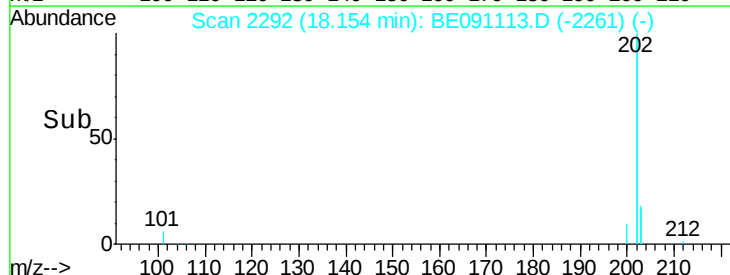
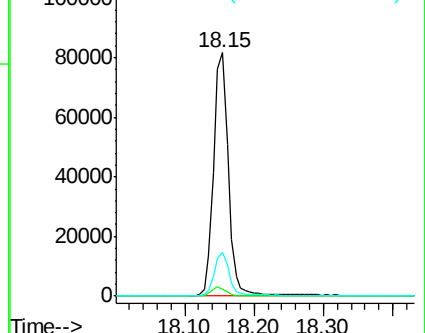
203 17.8 0.0 37.2

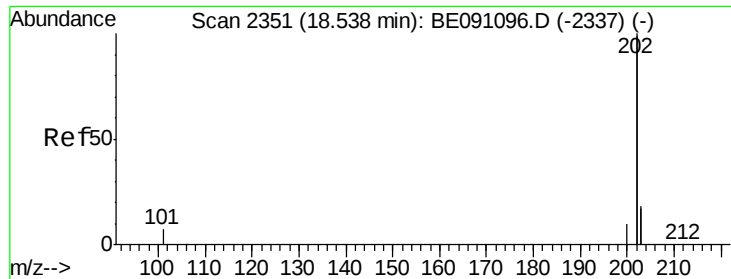


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.40 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. 0.00 min

Lab File: BE091113.D

Acq: 11 Nov 2015 3:25

Instrument :

BNA_E

ClientSampleId :

SSTD0.492

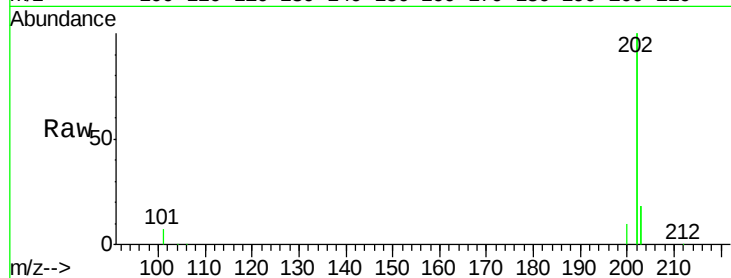
Tgt Ion:202 Resp: 112579

Ion Ratio Lower Upper

202 100

200 5.1 18.0 27.0#

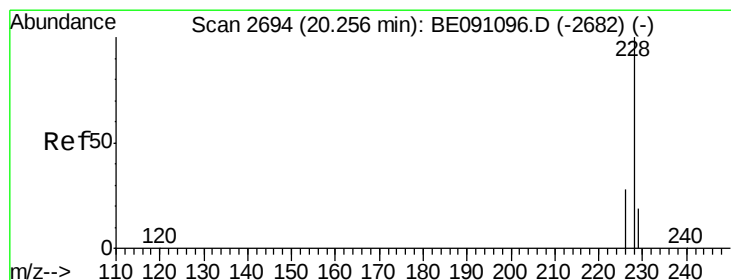
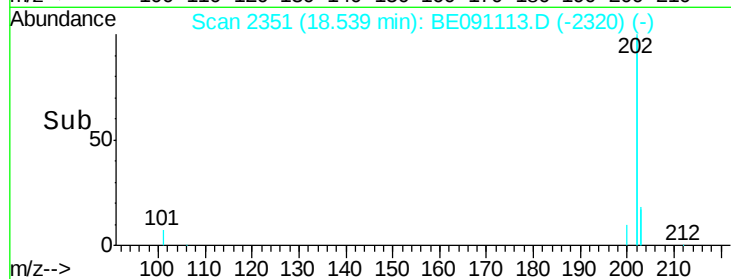
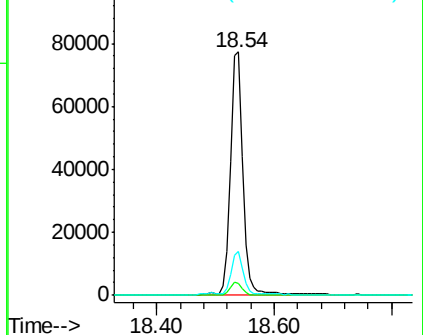
203 18.0 13.8 20.6



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: 0.38 ng/ul

RT: 20.26 min Scan# 2693

Delta R.T. 0.00 min

Lab File: BE091113.D

Acq: 11 Nov 2015 3:25

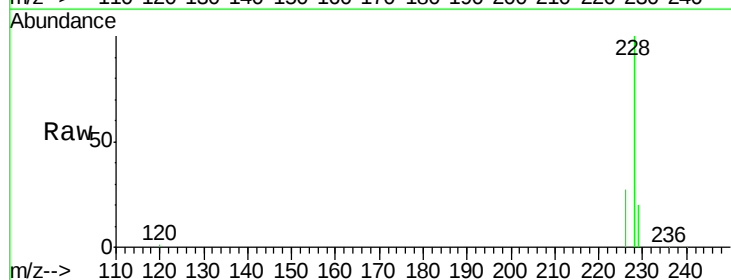
Tgt Ion:228 Resp: 24090

Ion Ratio Lower Upper

228 100

226 27.4 23.0 34.4

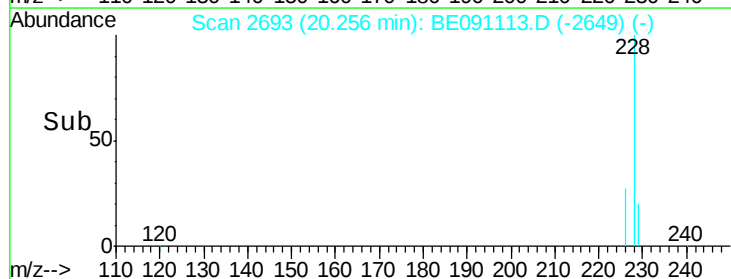
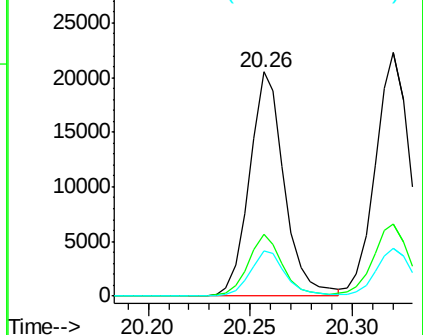
229 20.0 15.2 22.8

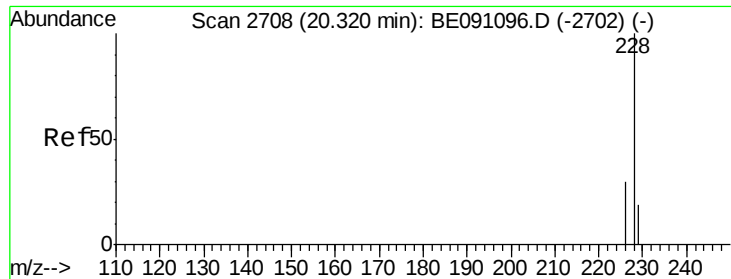


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.38 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. 0.00 min

Lab File: BE091113.D

Acq: 11 Nov 2015 3:25

Instrument :

BNA_E

ClientSampleId :

SSTD0.492

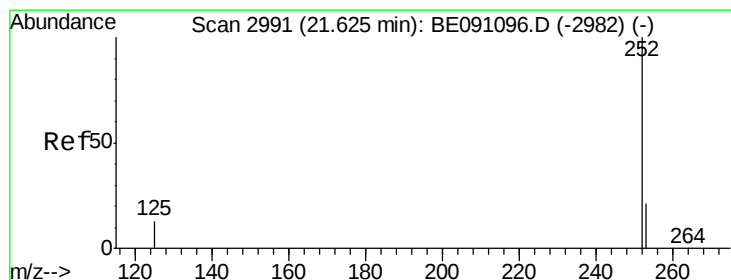
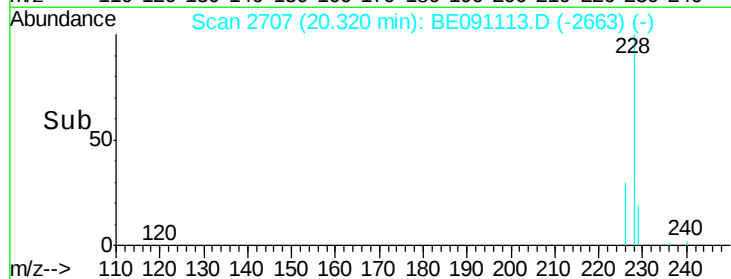
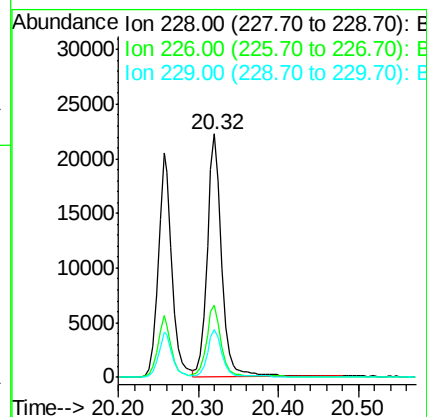
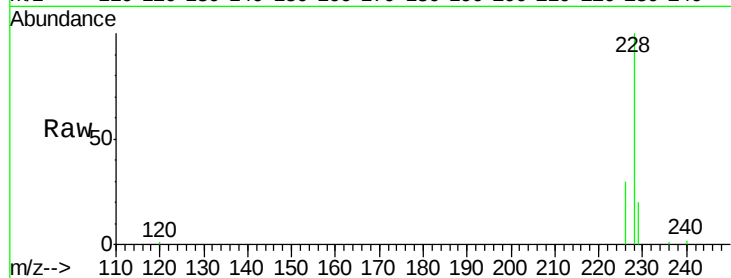
Tgt Ion:228 Resp: 27607

Ion Ratio Lower Upper

228 100

226 29.7 25.7 38.5

229 19.7 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.37 ng/ul

RT: 21.63 min Scan# 2990

Delta R.T. 0.00 min

Lab File: BE091113.D

Acq: 11 Nov 2015 3:25

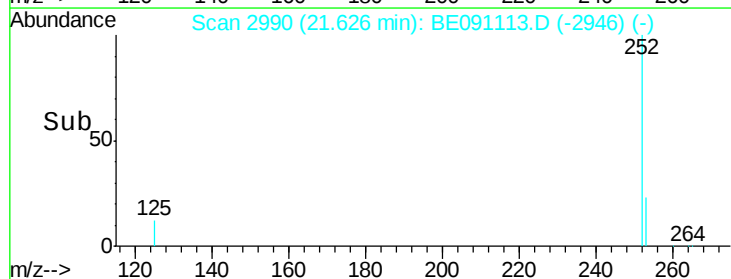
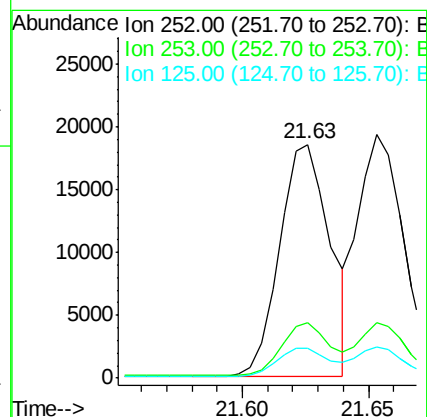
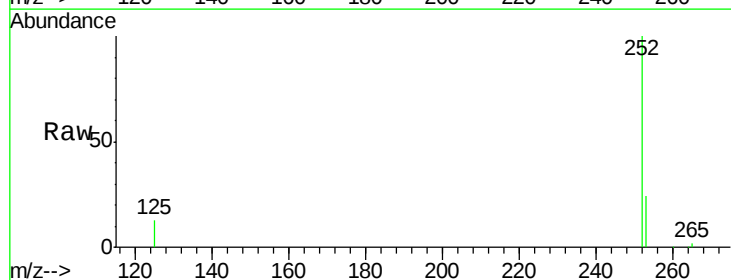
Tgt Ion:252 Resp: 25587

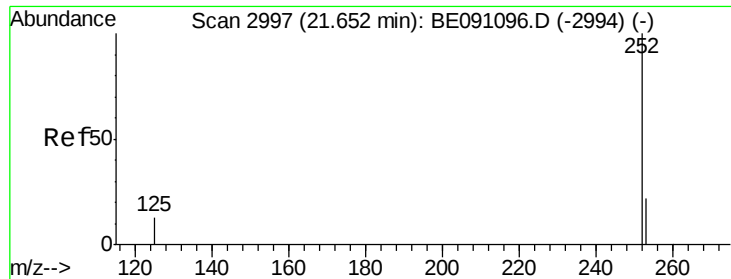
Ion Ratio Lower Upper

252 100

253 23.8 0.0 48.0

125 13.0 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.37 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. 0.00 min

Lab File: BE091113.D

Acq: 11 Nov 2015 3:25

Instrument :

BNA_E

ClientSampleId :

SSTD0.492

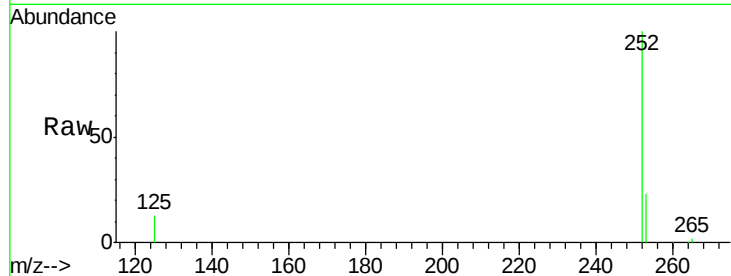
Tgt Ion:252 Resp: 26197

Ion Ratio Lower Upper

252 100

253 22.8 20.8 31.2

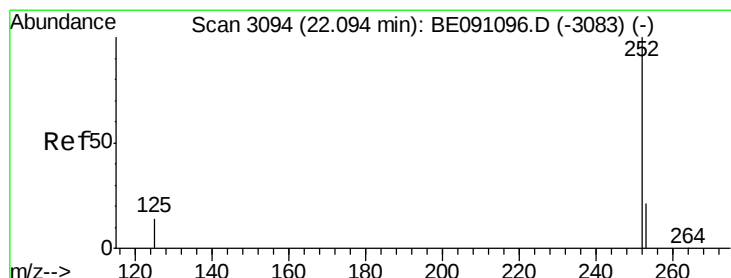
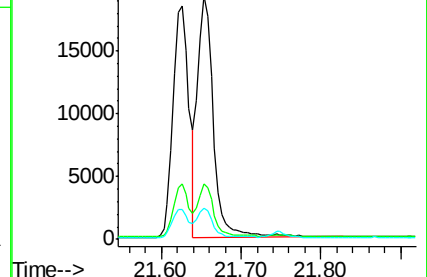
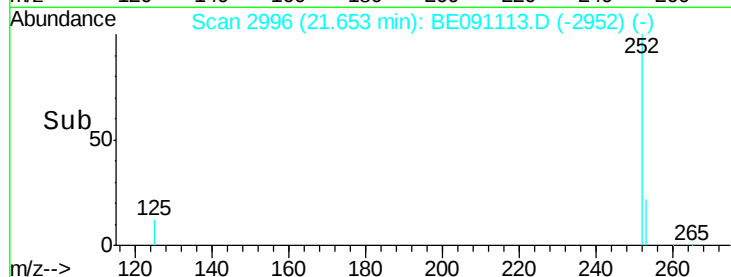
125 12.9 12.2 18.4



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: BE091113.D

Acq: 11 Nov 2015 3:25

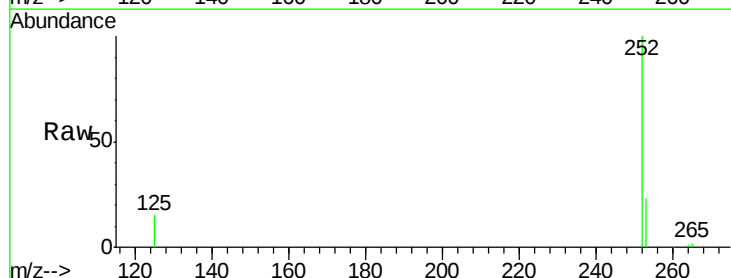
Tgt Ion:252 Resp: 24246

Ion Ratio Lower Upper

252 100

253 23.2 21.8 32.8

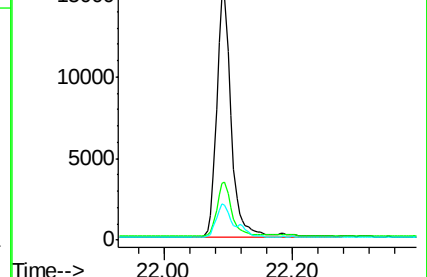
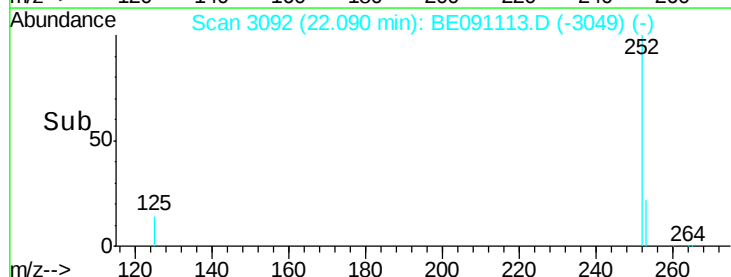
125 14.7 14.5 21.7

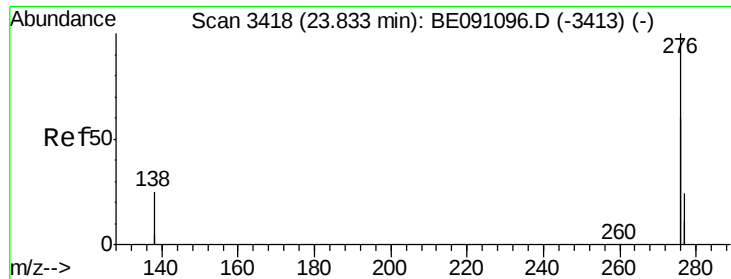


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

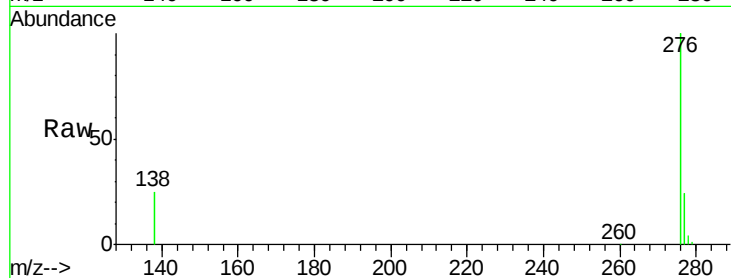




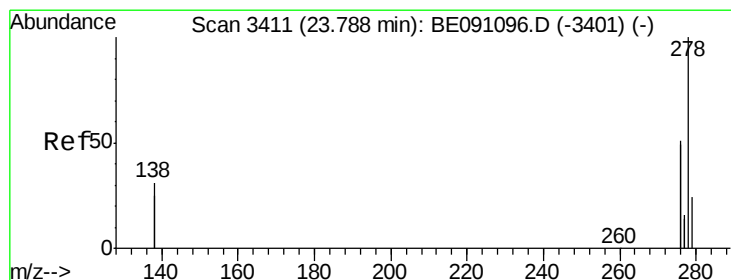
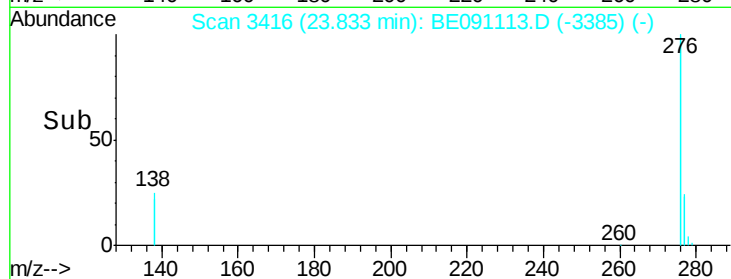
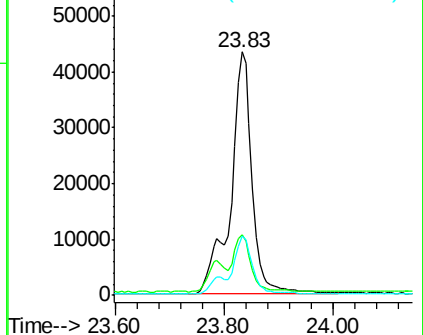
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.45 ng/ul
 RT: 23.83 min Scan# 3416
 Delta R.T. -0.00 min
 Lab File: BE091113.D
 Acq: 11 Nov 2015 3:25

Instrument :
 BNA_E
 ClientSampleId :
 SST0.492

Tgt Ion: 276 Resp: 119794
 Ion Ratio Lower Upper
 276 100
 138 18.8 27.5 41.3#
 277 19.2 19.3 28.9#

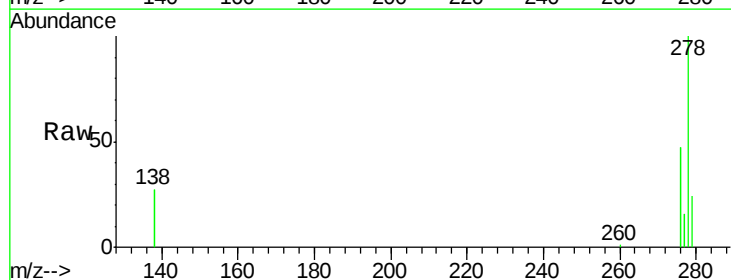


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

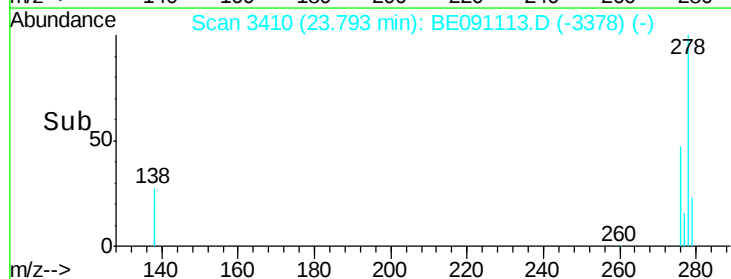
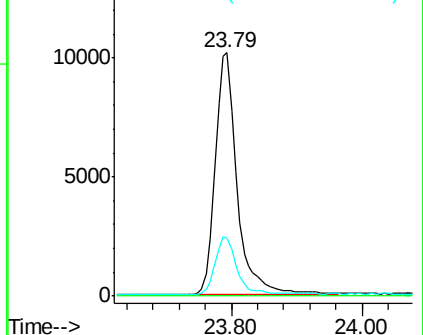


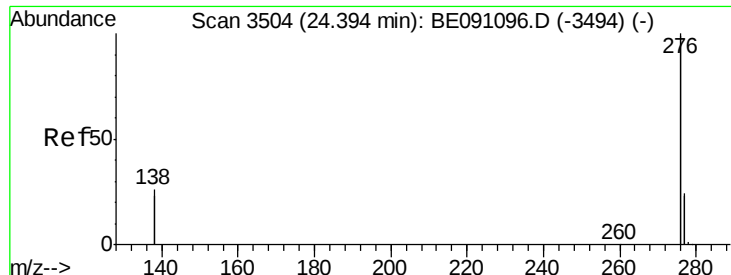
#27
 Dibenzo(a,h)anthracene
 Concen: 0.37 ng/ul
 RT: 23.79 min Scan# 3410
 Delta R.T. 0.01 min
 Lab File: BE091113.D
 Acq: 11 Nov 2015 3:25

Tgt Ion: 278 Resp: 23664
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 23.7 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: 0.37 ng/ul

RT: 24.40 min Scan# 3503

Delta R.T. 0.01 min

Lab File: BE091113.D

Acq: 11 Nov 2015 3:25

Instrument :

BNA_E

ClientSampleId :

SSTD0.492

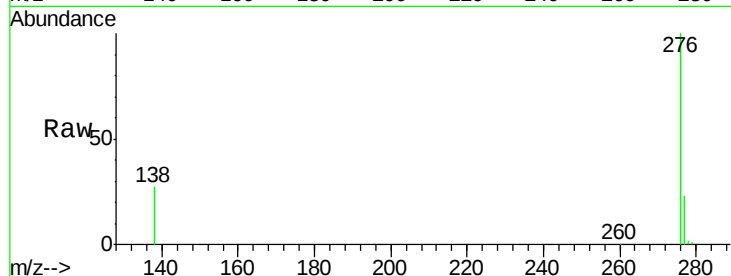
Tgt Ion: 276 Resp: 103774

Ion Ratio Lower Upper

276 100

277 23.2 21.3 31.9

138 26.5 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

