

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
 Data File : BE091135.D
 Acq On : 12 Nov 2015 9:03
 Operator : UM/NP
 Sample : G4322-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HR9

Quant Time: Nov 13 15:22:16 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	3576	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	19770	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	11491	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.22	188	345361	0.40	ng/ul	0.08
18) Chrysene-d12	20.28	240	39986	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	39947	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.93	96	8434	3.28	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	11.07	152	1801	0.07	ng/ul	0.00
16) Fluoranthene-d10	18.26	212	122	0.00	ng/ul	0.13

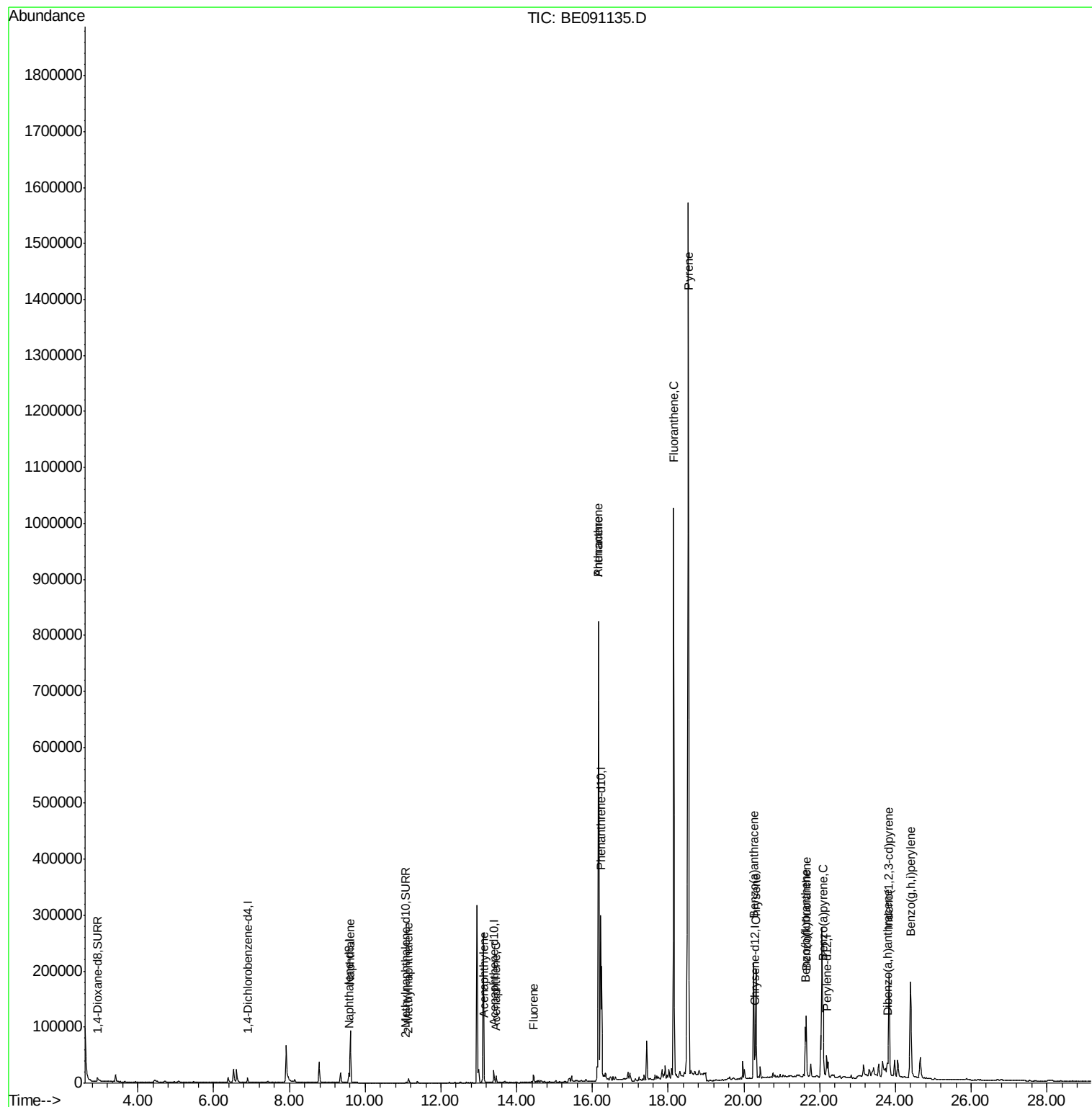
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	9.61	128	123163	2.53	ng/ul	98
7) 2-Methylnaphthalene	11.14	142	5983	0.19	ng/ul	97
9) Acenaphthylene	13.14	152	4313	0.08	ng/ul	99
10) Acenaphthene	13.46	153	6668	0.17	ng/ul	93
11) Fluorene	14.45	166	8330	0.17	ng/ul	90
14) Phenanthrene	16.16	178	927305	0.23	ng/ul	97
15) Anthracene	16.16	178	850748	0.23	ng/ul	96
17) Fluoranthene	18.15	202	1096418	0.23	ng/ul	89
19) Pyrene	18.53	202	1550718	3.41	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	161867	1.58	ng/ul	96
21) Chrysene	20.32	228	169252	1.43	ng/ul	98
23) Benzo(b)fluoranthene	21.63	252	83484	0.67	ng/ul	98
24) Benzo(k)fluoranthene	21.65	252	108292	0.85	ng/ul#	92
25) Benzo(a)pyrene	22.09	252	132202	1.15	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	23.83	276	270151	0.56	ng/ul#	87
27) Dibenzo(a,h)anthracene	23.79	278	18083	0.16	ng/ul#	70
28) Benzo(g,h,i)perylene	24.40	276	275406	0.54	ng/ul	97

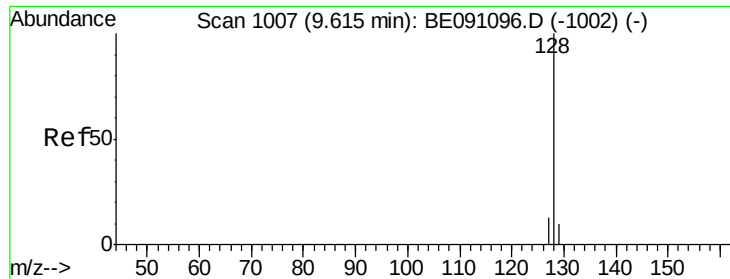
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 2.53 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

A4HR9

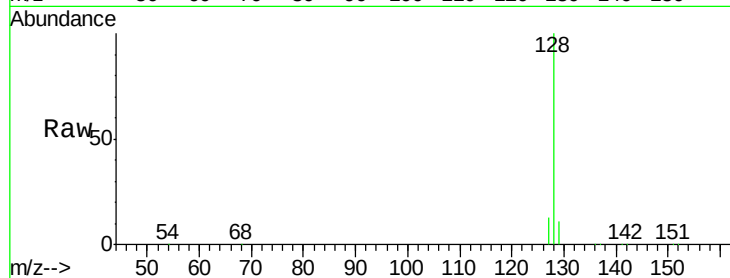
Tgt Ion:128 Resp: 123163

Ion Ratio Lower Upper

128 100

129 11.3 9.8 14.8

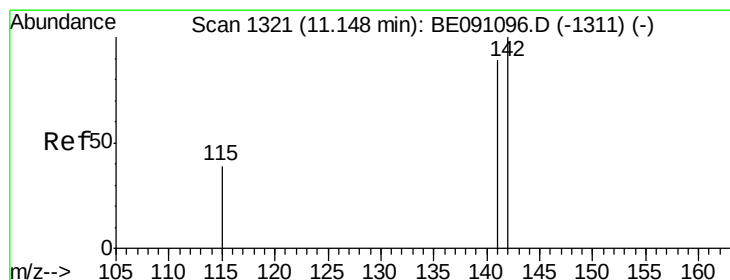
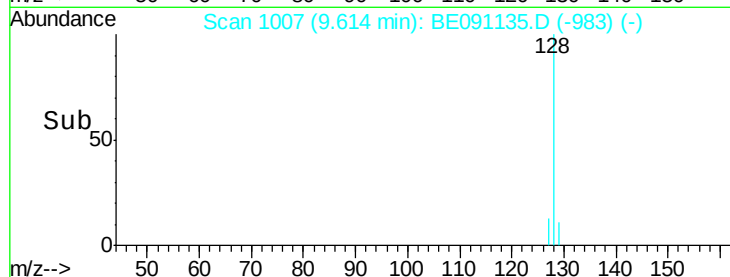
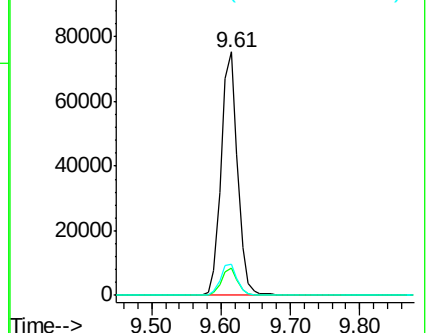
127 12.8 10.7 16.1



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: 0.19 ng/ul

RT: 11.14 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BE091135.D

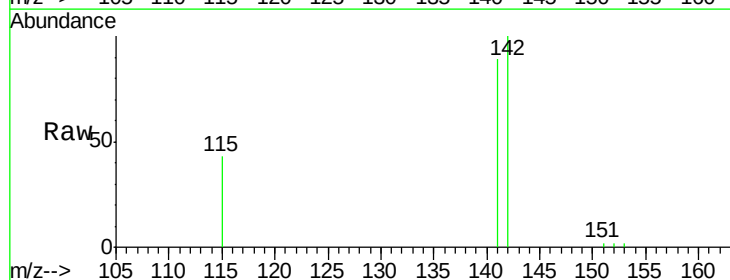
Acq: 12 Nov 2015 9:03

Tgt Ion:142 Resp: 5983

Ion Ratio Lower Upper

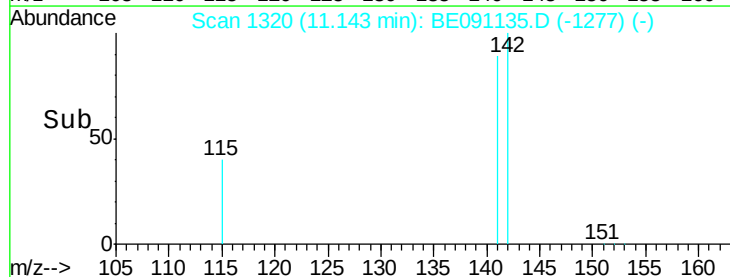
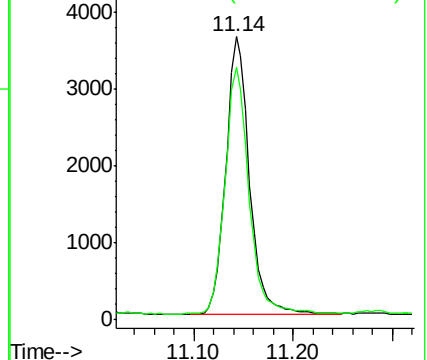
142 100

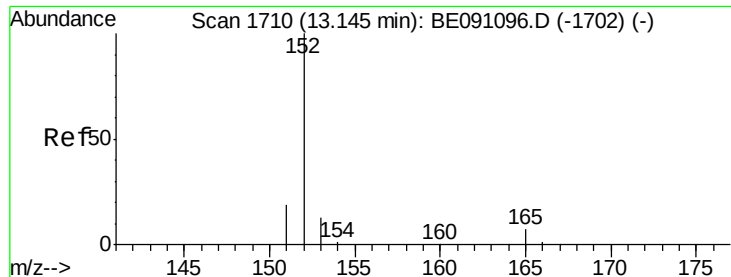
141 90.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.08 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

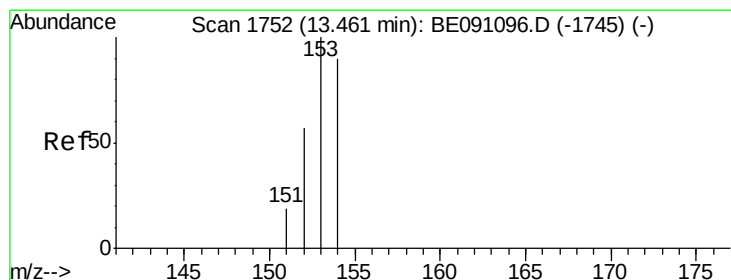
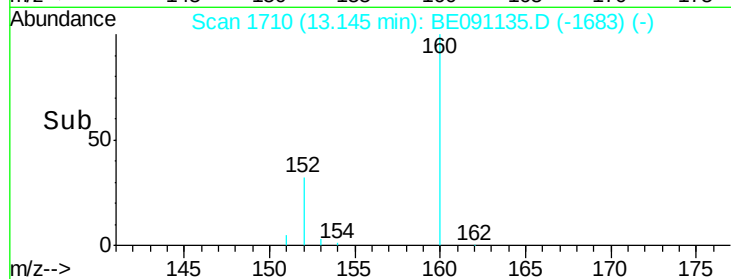
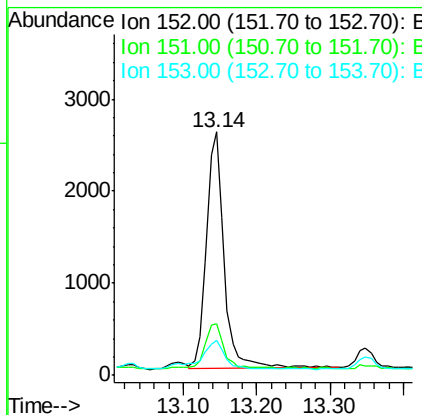
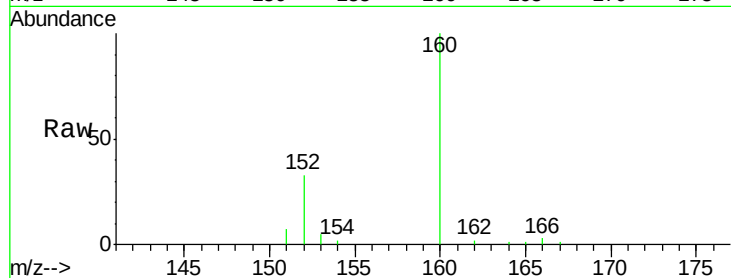
Instrument :

BNA_E

ClientSampleId :

A4HR9

Tgt Ion:	152	Resp:	4313
Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.8	25.2
153	14.6	11.3	16.9



#10

Acenaphthene

Concen: 0.17 ng/ul

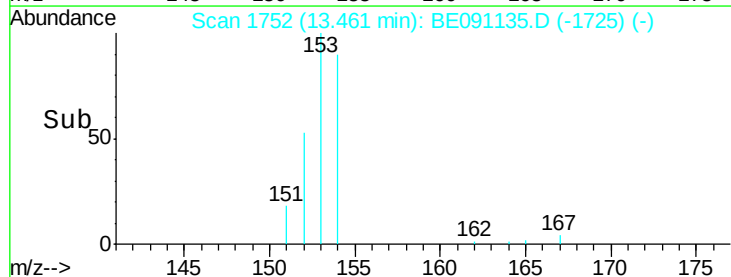
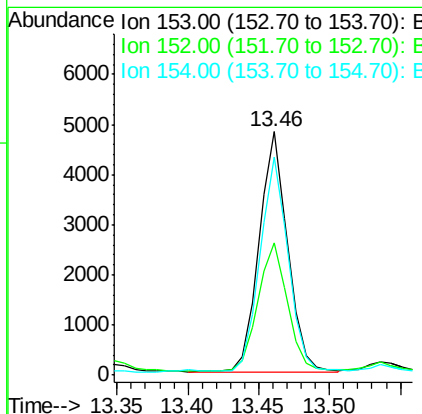
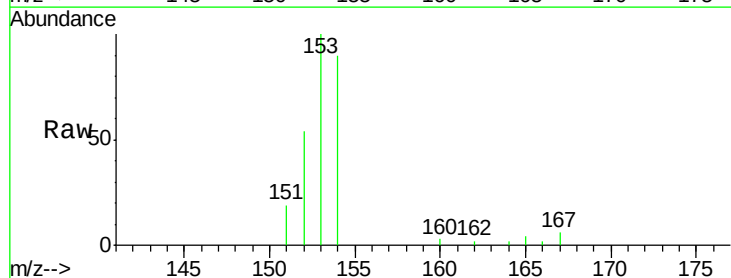
RT: 13.46 min Scan# 1752

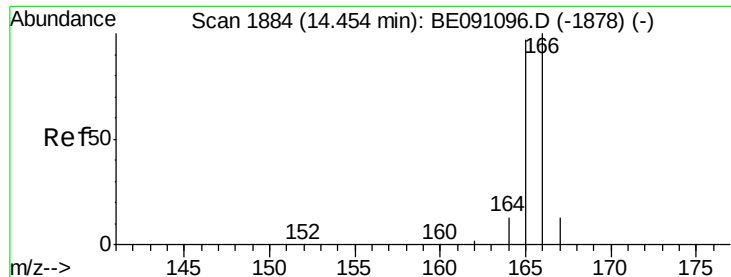
Delta R.T. -0.00 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Tgt Ion:	153	Resp:	6668
Ion	Ratio	Lower	Upper
153	100		
152	54.3	42.3	63.5
154	89.7	64.7	97.1





#11

Fluorene

Concen: 0.17 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

A4HR9

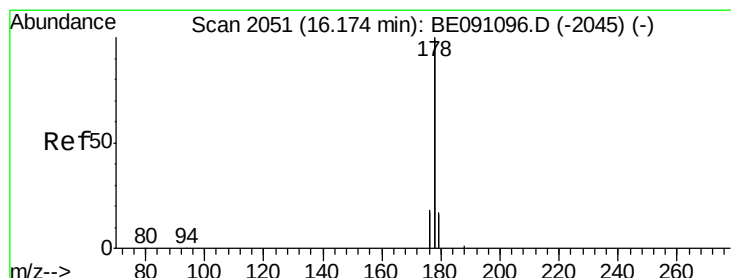
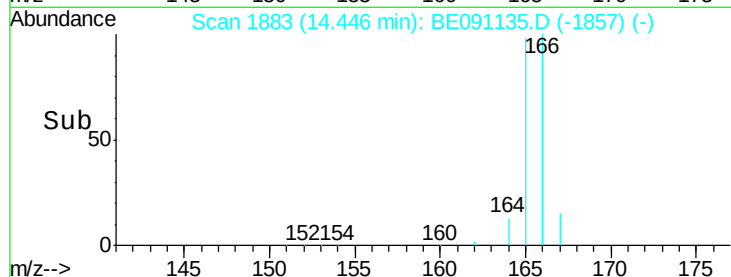
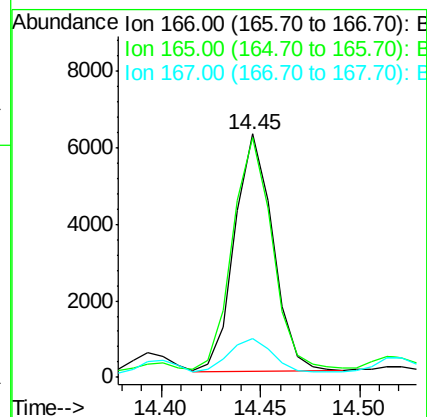
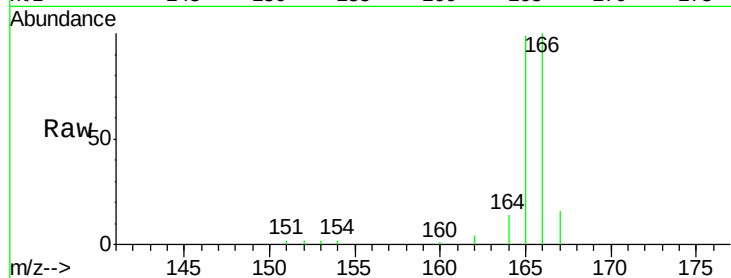
Tgt Ion:166 Resp: 8330

Ion Ratio Lower Upper

166 100

165 98.7 87.6 131.4

167 16.2 11.1 16.7



#14

Phenanthrene

Concen: 0.23 ng/ul

RT: 16.16 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

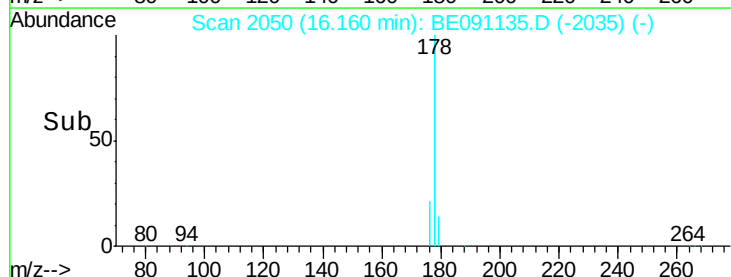
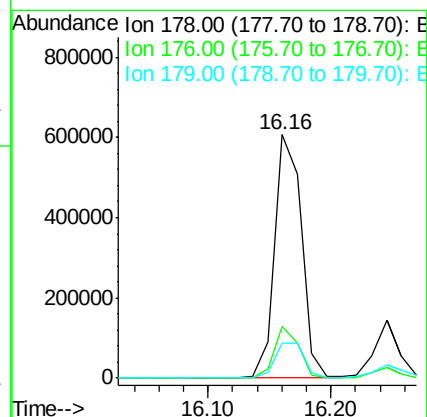
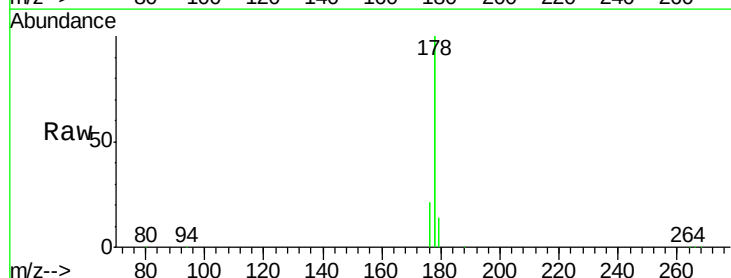
Tgt Ion:178 Resp: 927305

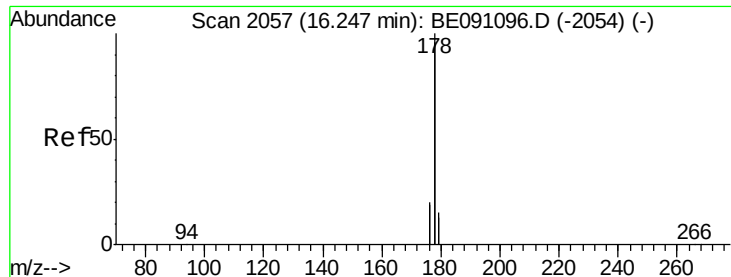
Ion Ratio Lower Upper

178 100

176 21.4 16.2 24.4

179 14.3 12.8 19.2





#15

Anthracene

Concen: 0.23 ng/ul

RT: 16.16 min Scan# 2050

Delta R.T. -0.09 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

A4HR9

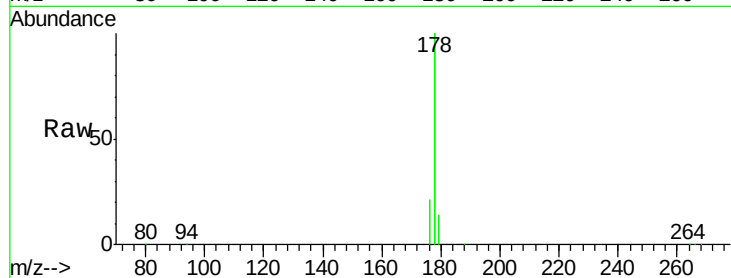
Tgt Ion:178 Resp: 850748

Ion Ratio Lower Upper

178 100

176 21.4 15.8 23.8

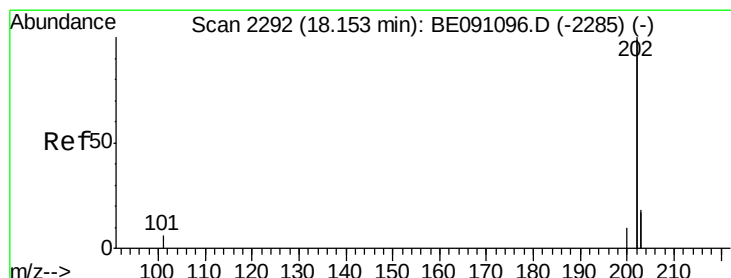
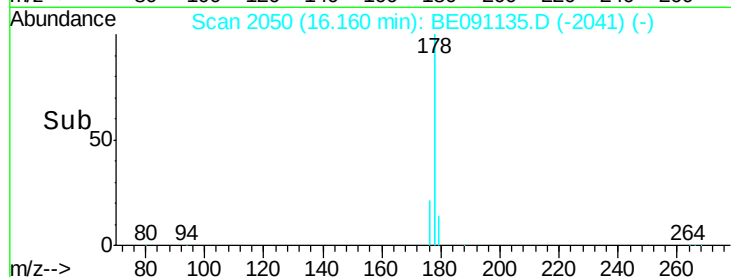
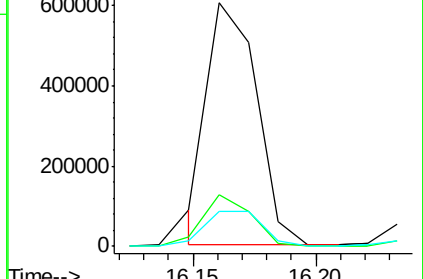
179 14.3 13.3 19.9



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: 0.23 ng/ul

RT: 18.15 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

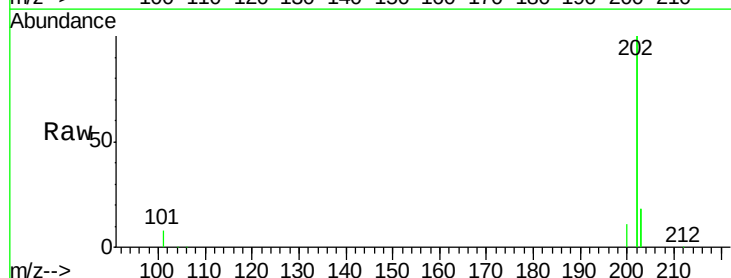
Tgt Ion:202 Resp: 1096418

Ion Ratio Lower Upper

202 100

101 3.8 0.0 33.1

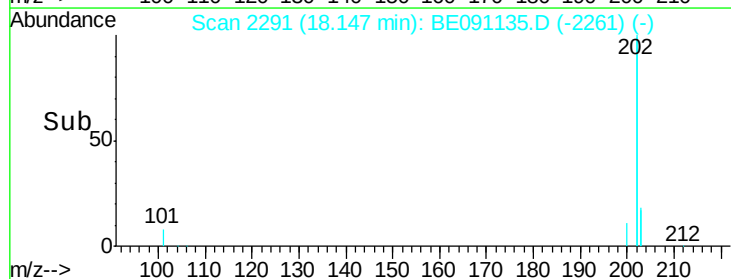
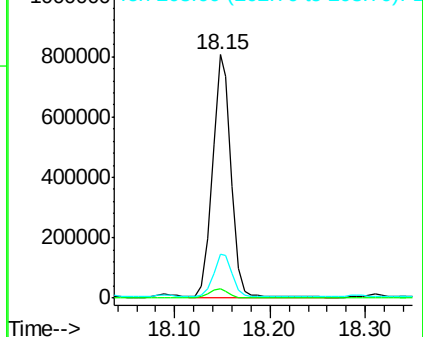
203 17.9 0.0 37.2

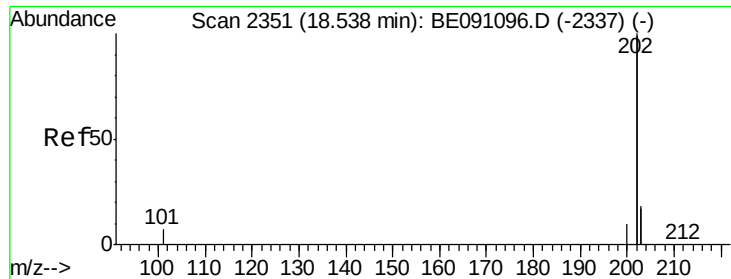


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 3.41 ng/ul

RT: 18.53 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

A4HR9

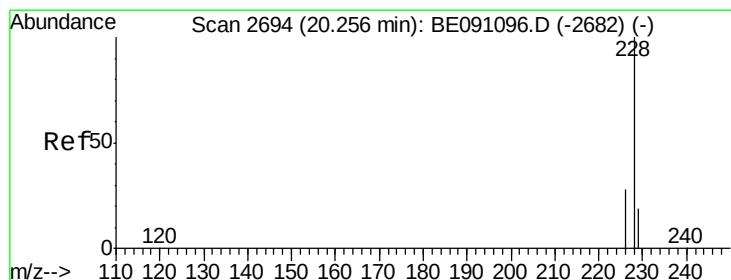
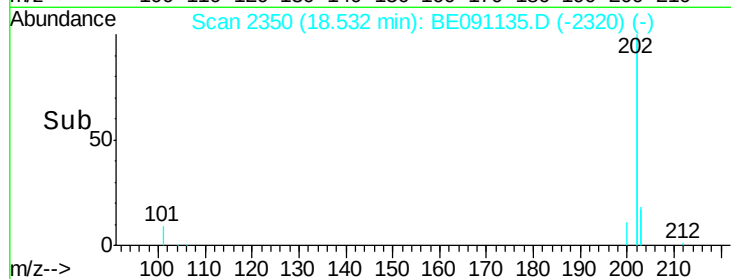
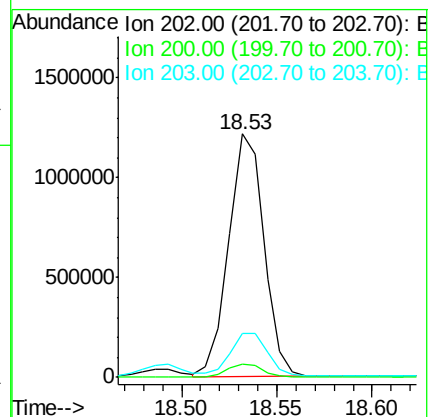
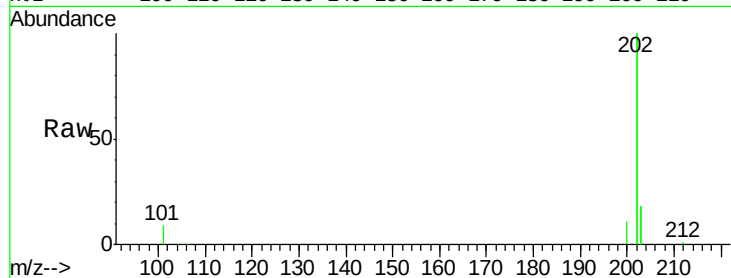
Tgt Ion:202 Resp: 1550718

Ion Ratio Lower Upper

202 100

200 5.5 18.0 27.0#

203 18.0 13.8 20.6



#20

Benzo(a)anthracene

Concen: 1.58 ng/ul

RT: 20.26 min Scan# 2694

Delta R.T. 0.00 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

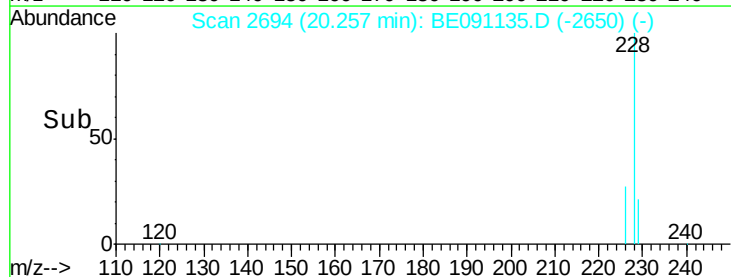
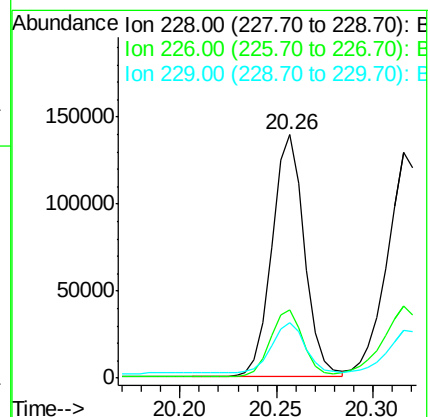
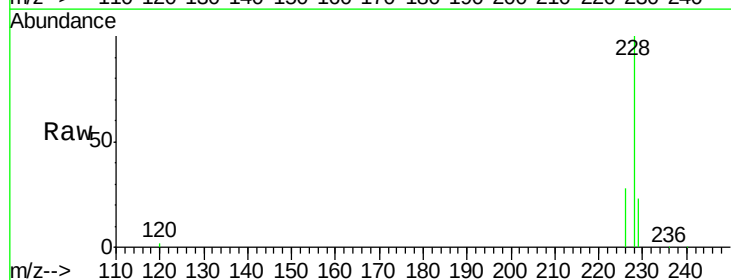
Tgt Ion:228 Resp: 161867

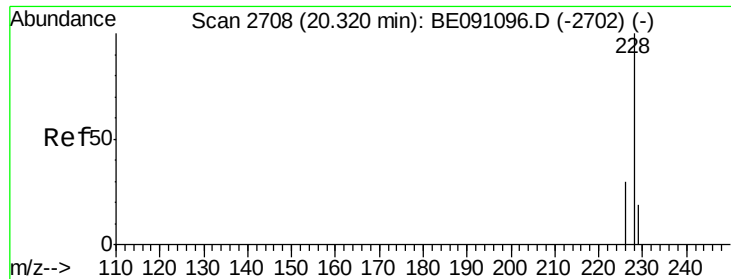
Ion Ratio Lower Upper

228 100

226 27.8 23.0 34.4

229 22.8 15.2 22.8





#21

Chrysene

Concen: 1.43 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. -0.00 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

A4HR9

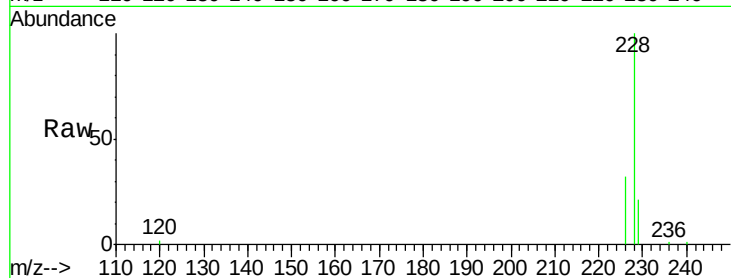
Tgt Ion:228 Resp: 169252

Ion Ratio Lower Upper

228 100

226 31.8 25.7 38.5

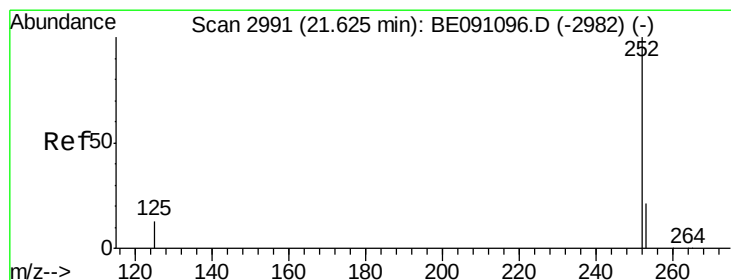
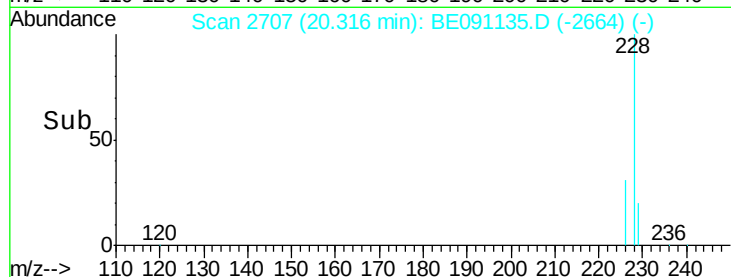
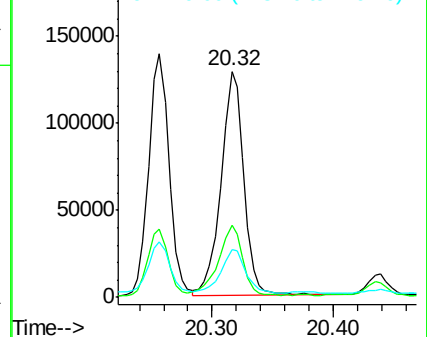
229 21.4 15.2 22.8



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: 0.67 ng/ul

RT: 21.63 min Scan# 2991

Delta R.T. 0.00 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

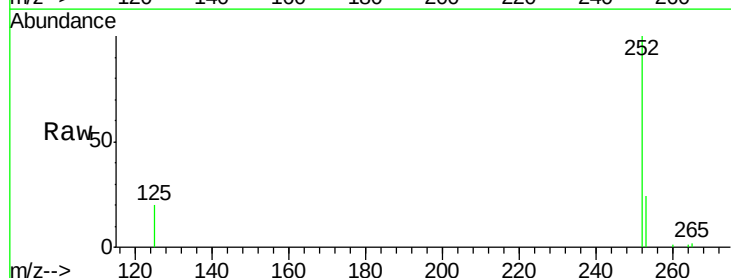
Tgt Ion:252 Resp: 83484

Ion Ratio Lower Upper

252 100

253 24.4 0.0 48.0

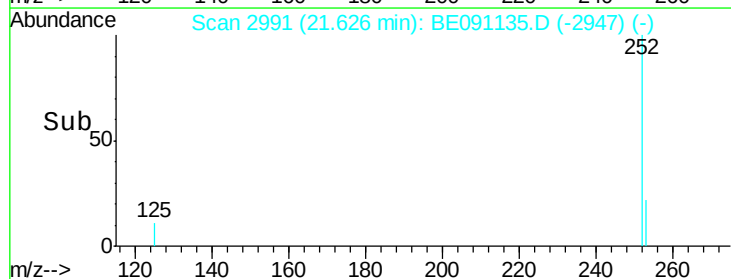
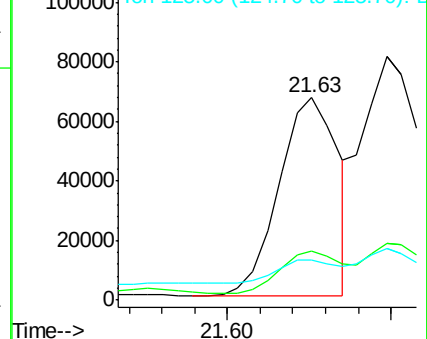
125 19.8 0.0 36.6

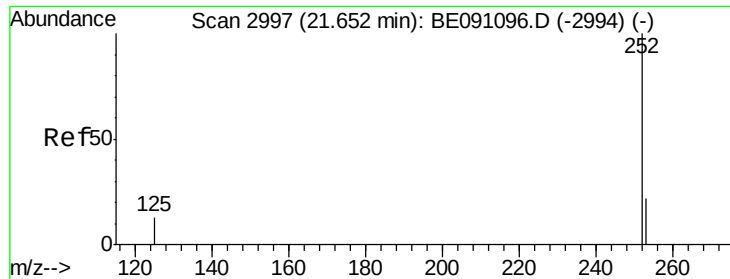


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.85 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

A4HR9

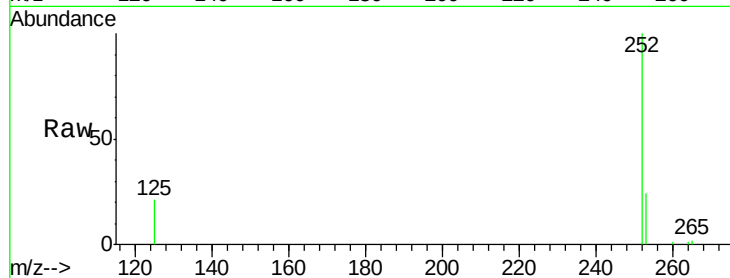
Tgt Ion:252 Resp: 108292

Ion Ratio Lower Upper

252 100

253 23.5 20.8 31.2

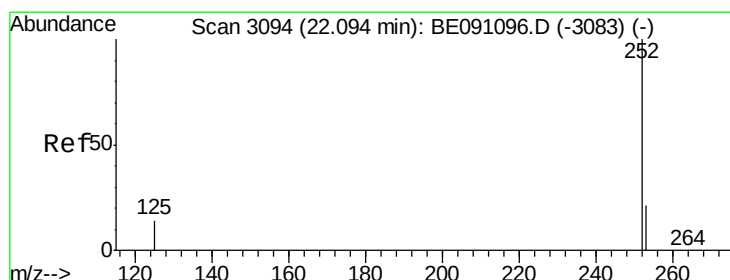
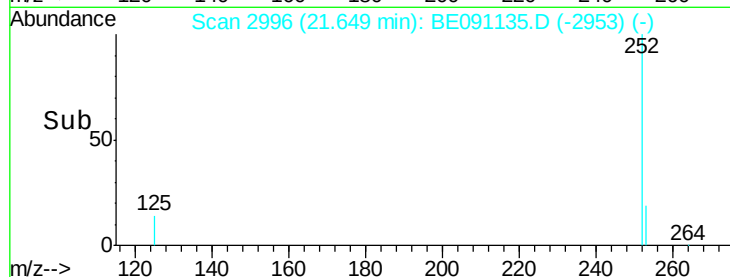
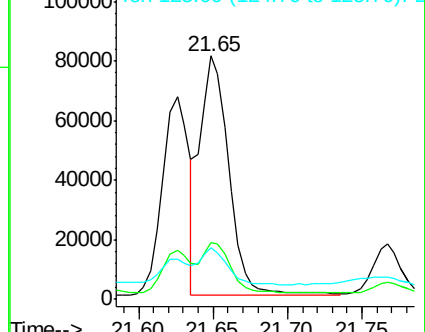
125 21.1 12.2 18.4#



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: 1.15 ng/ul

RT: 22.09 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

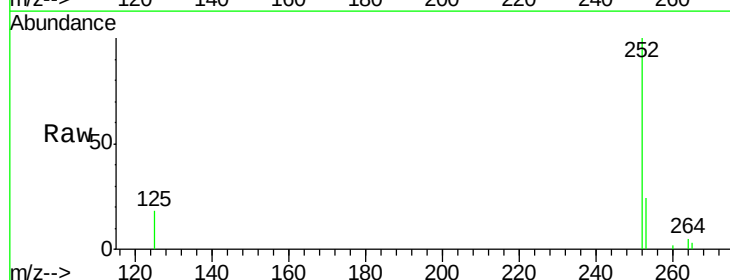
Tgt Ion:252 Resp: 132202

Ion Ratio Lower Upper

252 100

253 23.6 21.8 32.8

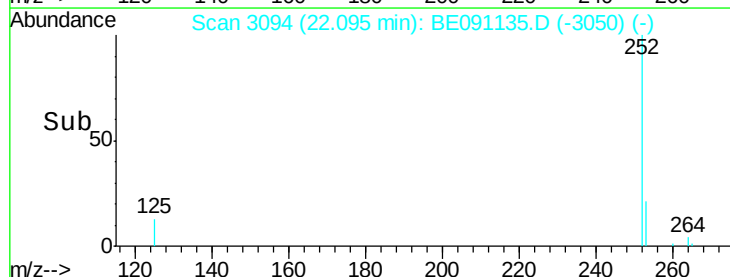
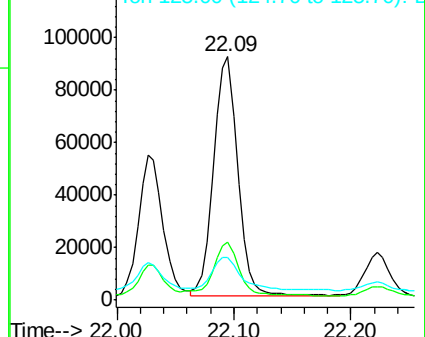
125 17.6 14.5 21.7

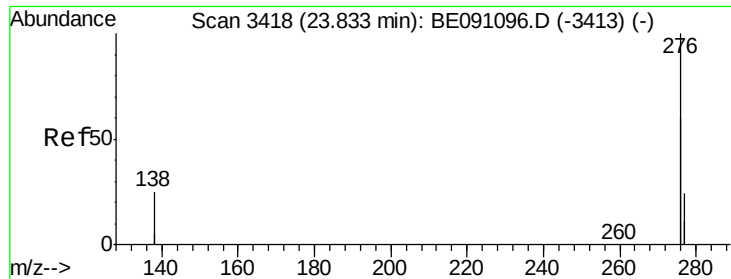


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

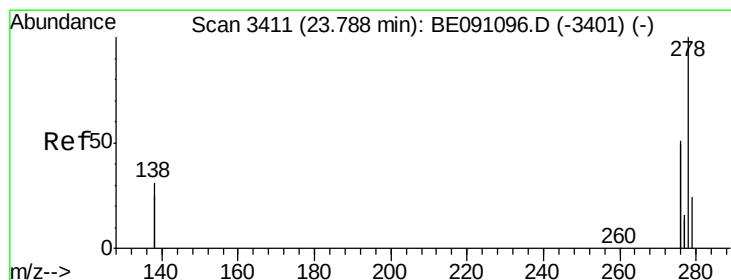
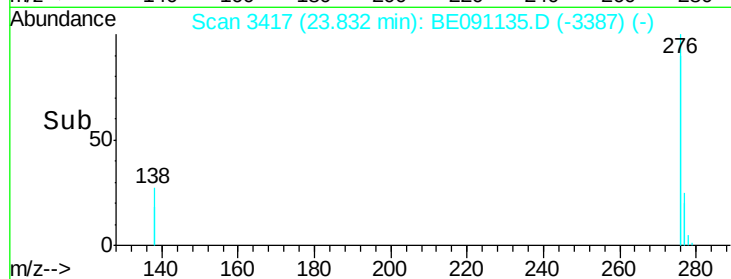
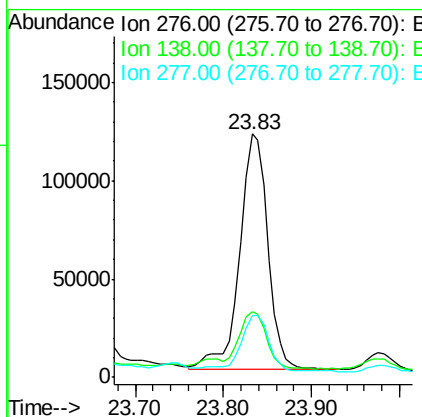
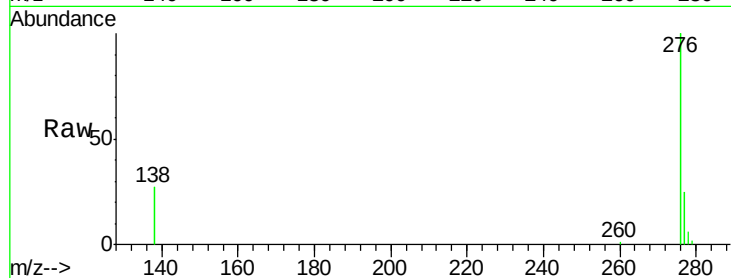




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.56 ng/ul
 RT: 23.83 min Scan# 3417
 Delta R.T. -0.00 min
 Lab File: BE091135.D
 Acq: 12 Nov 2015 9:03

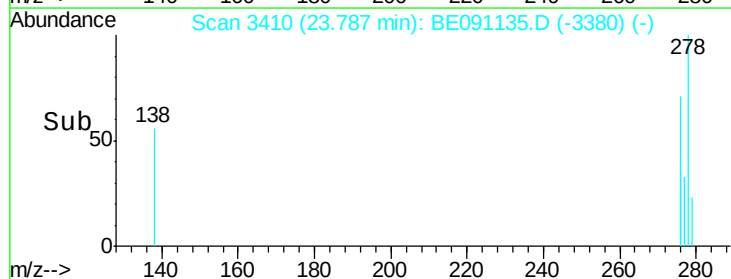
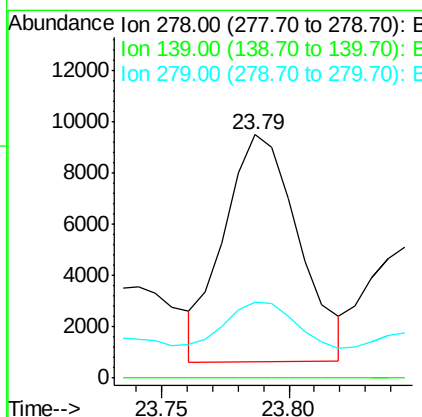
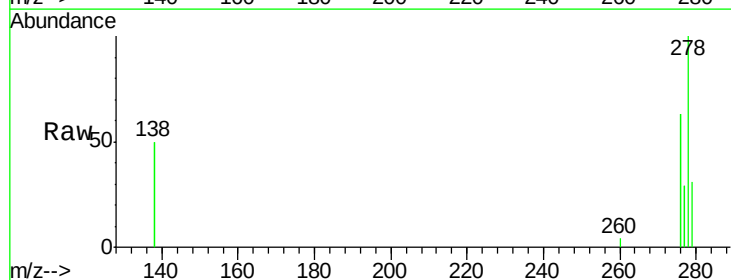
Instrument :
 BNA_E
 ClientSampleId :
 A4HR9

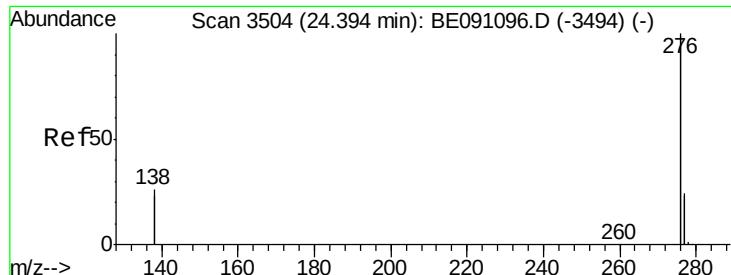
Tgt Ion: 276 Resp: 270151
 Ion Ratio Lower Upper
 276 100
 138 23.0 27.5 41.3#
 277 22.6 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.16 ng/ul
 RT: 23.79 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: BE091135.D
 Acq: 12 Nov 2015 9:03

Tgt Ion: 278 Resp: 18083
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 31.4 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.54 ng/ul

RT: 24.40 min Scan# 3504

Delta R.T. 0.01 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

A4HR9

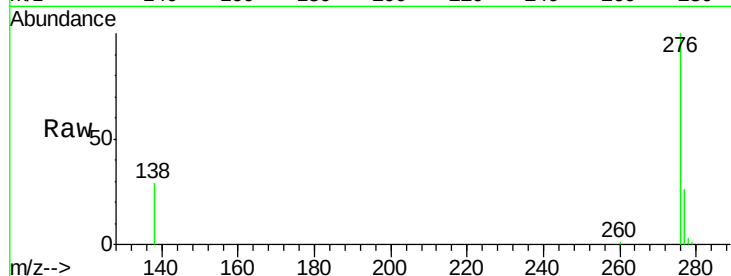
Tgt Ion: 276 Resp: 275406

Ion Ratio Lower Upper

276 100

277 26.1 21.3 31.9

138 29.4 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

