

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
 Data File : BE091133.D
 Acq On : 12 Nov 2015 7:49
 Operator : UM/NP
 Sample : G4322-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HR7

Quant Time: Nov 13 15:21:57 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	3305	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	18229	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	10363	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.22	188	494423	0.40	ng/ul	0.08
18) Chrysene-d12	20.29	240	36199	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	36956	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.92	96	11000	4.63	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	2701	0.11	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	5913	0.00	ng/ul	0.00

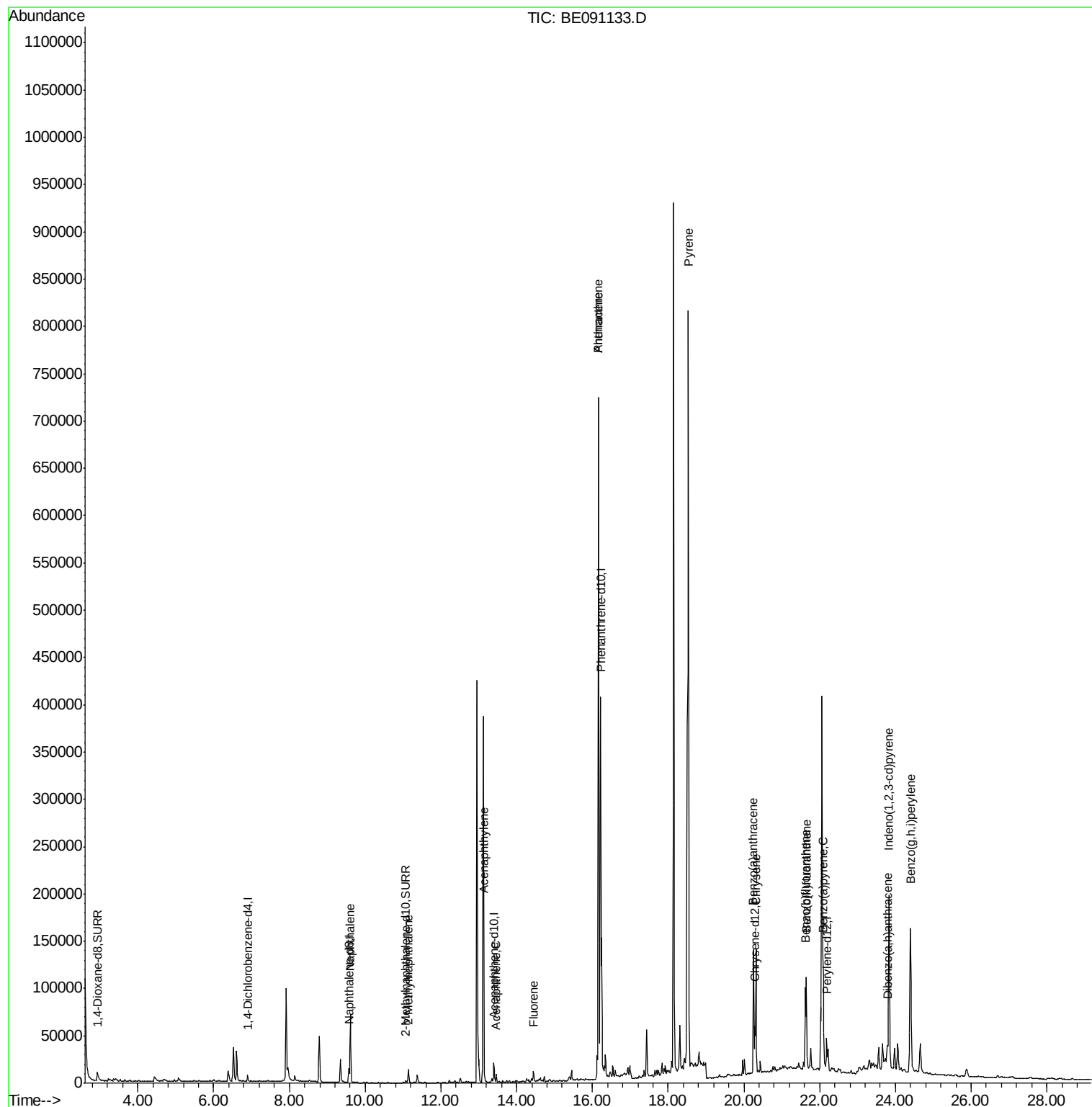
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	9.62	128	92308	2.05	ng/ul	98
7) 2-Methylnaphthalene	11.14	142	9817	0.34	ng/ul	98
9) Acenaphthylene	13.14	152	14751	0.28	ng/ul	99
10) Acenaphthene	13.46	153	3907	0.11	ng/ul	93
11) Fluorene	14.45	166	6739	0.15	ng/ul#	89
14) Phenanthrene	16.16	178	723659	0.13	ng/ul	97
15) Anthracene	16.16	178	637586	0.12	ng/ul	96
19) Pyrene	18.53	202	782242	1.90	ng/ul#	79
20) Benzo(a)anthracene	20.25	228	103932	1.12	ng/ul#	93
21) Chrysene	20.32	228	121364	1.13	ng/ul#	95
23) Benzo(b)fluoranthene	21.62	252	89794	0.78	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	88232	0.75	ng/ul#	90
25) Benzo(a)pyrene	22.09	252	95921	0.90	ng/ul#	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	275452	0.62	ng/ul#	89
27) Dibenzo(a,h)anthracene	23.79	278	18203	0.17	ng/ul#	66
28) Benzo(g,h,i)perylene	24.40	276	243194	0.52	ng/ul	98

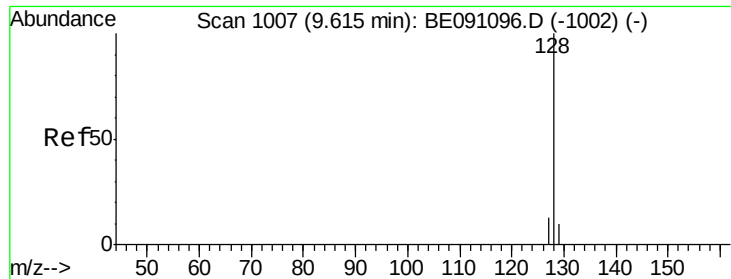
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 2.05 ng/ul

RT: 9.62 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BE091133.D

Acq: 12 Nov 2015 7:49

Instrument :

BNA_E

ClientSampleId :

A4HR7

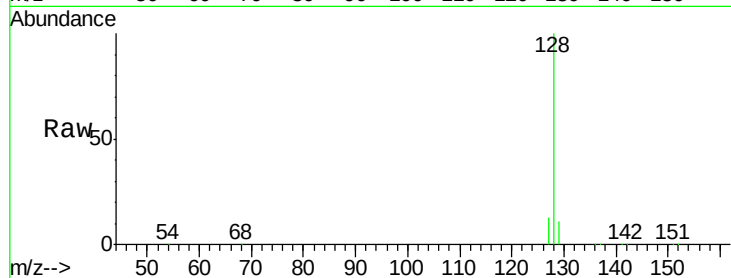
Tgt Ion:128 Resp: 92308

Ion Ratio Lower Upper

128 100

129 11.3 9.8 14.8

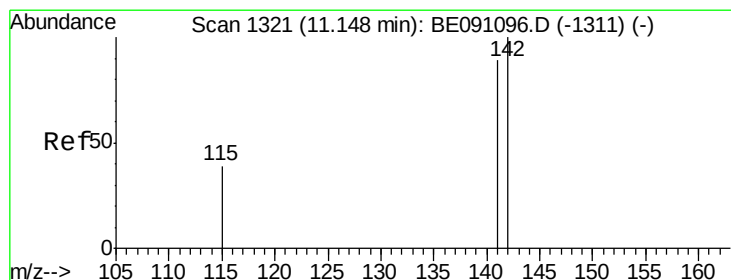
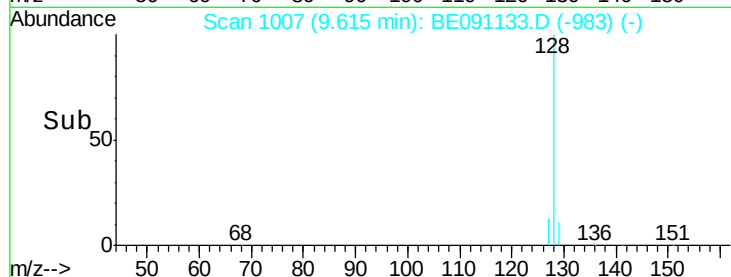
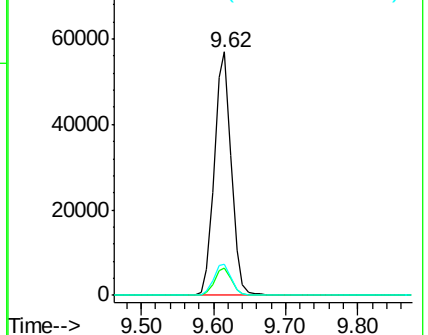
127 12.7 10.7 16.1



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: 0.34 ng/ul

RT: 11.14 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BE091133.D

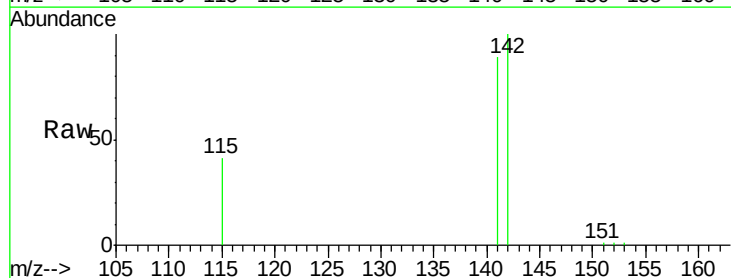
Acq: 12 Nov 2015 7:49

Tgt Ion:142 Resp: 9817

Ion Ratio Lower Upper

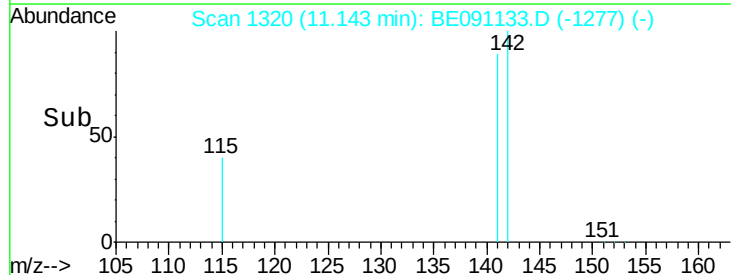
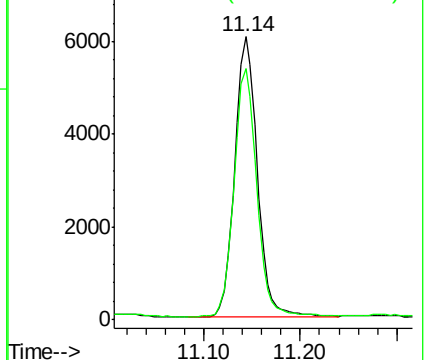
142 100

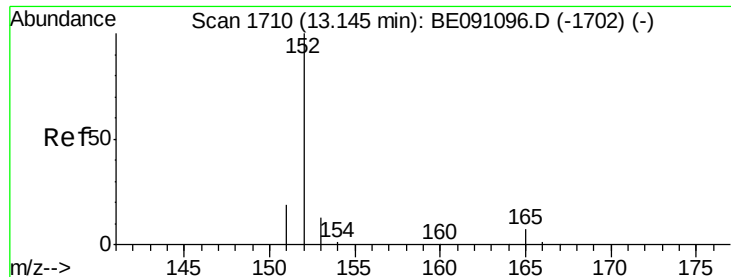
141 90.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.28 ng/ul

RT: 13.14 min Scan# 1709

Delta R.T. -0.01 min

Lab File: BE091133.D

Acq: 12 Nov 2015 7:49

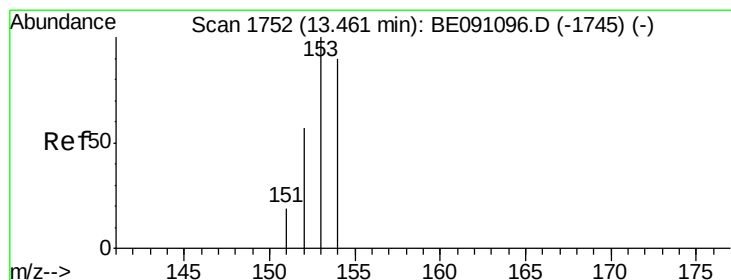
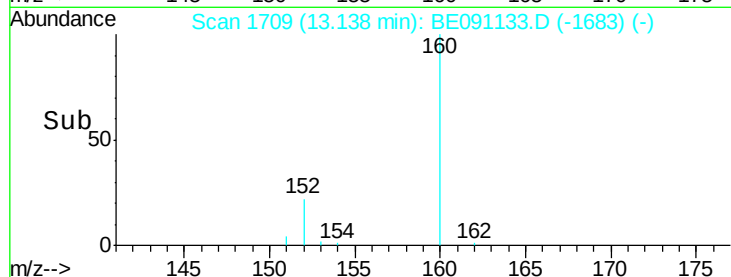
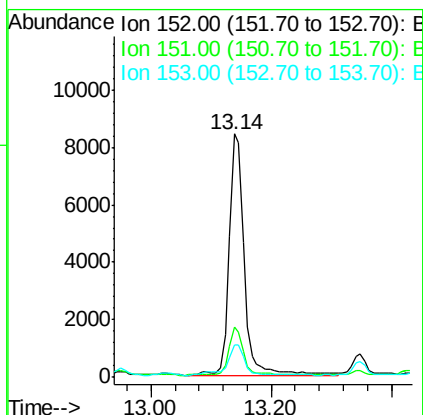
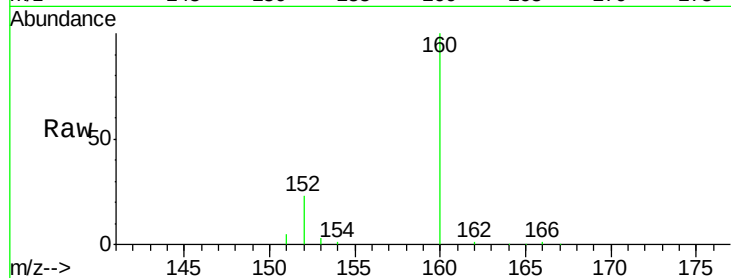
Instrument :

BNA_E

ClientSampled :

A4HR7

Tgt Ion:	152	Resp:	14751
Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	13.5	11.3	16.9



#10

Acenaphthene

Concen: 0.11 ng/ul

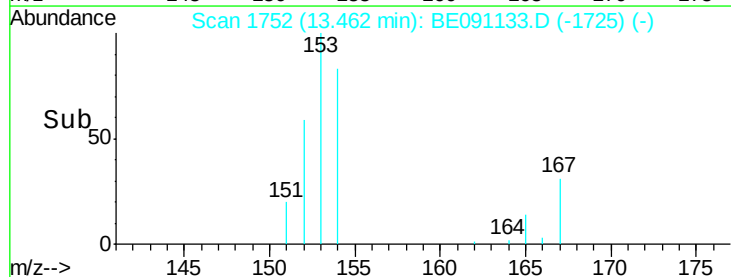
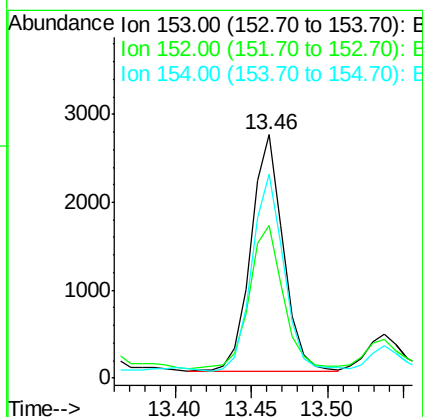
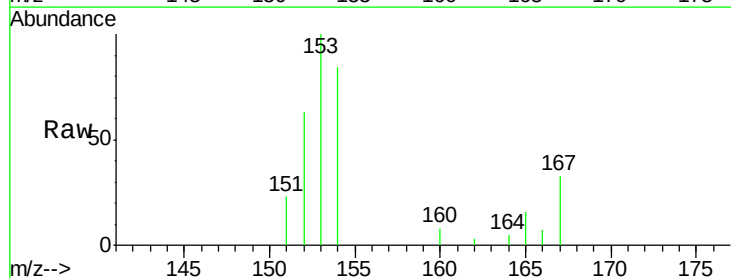
RT: 13.46 min Scan# 1752

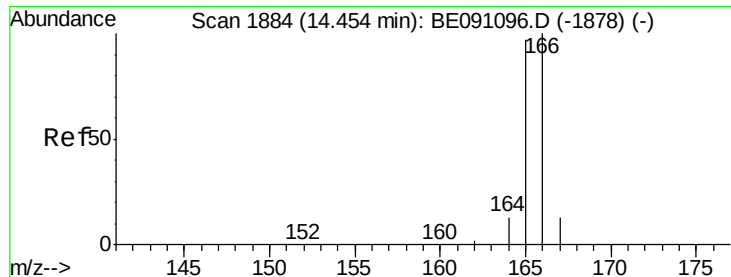
Delta R.T. 0.00 min

Lab File: BE091133.D

Acq: 12 Nov 2015 7:49

Tgt Ion:	153	Resp:	3907
Ion	Ratio	Lower	Upper
153	100		
152	62.9	42.3	63.5
154	83.6	64.7	97.1





#11

Fluorene

Concen: 0.15 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091133.D

Acq: 12 Nov 2015 7:49

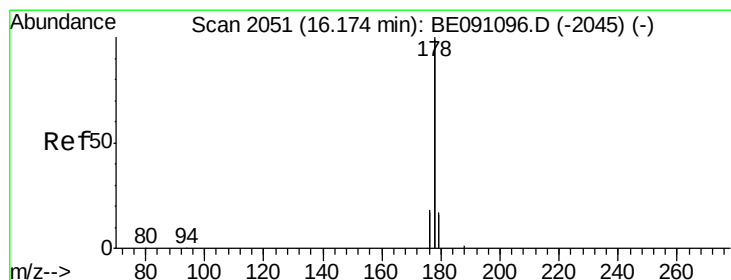
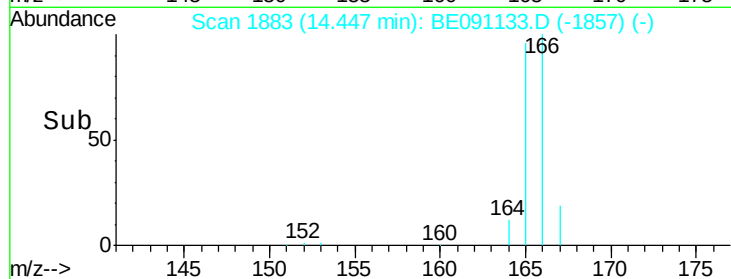
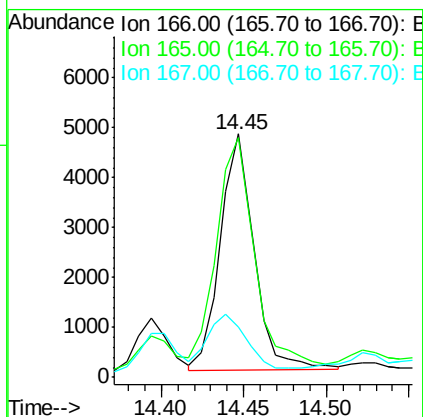
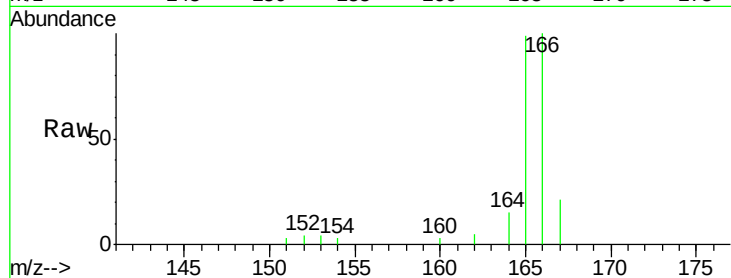
Instrument :

BNA_E

ClientSampleId :

A4HR7

Tgt Ion:	166	Resp:	6739
Ion	Ratio	Lower	Upper
166	100		
165	98.5	87.6	131.4
167	20.8	11.1	16.7#



#14

Phenanthrene

Concen: 0.13 ng/ul

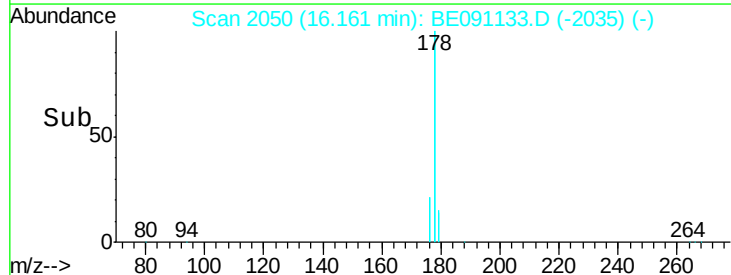
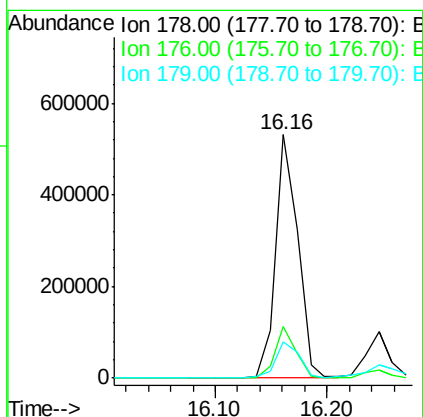
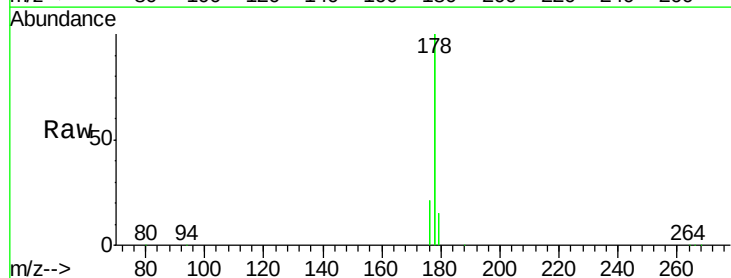
RT: 16.16 min Scan# 2050

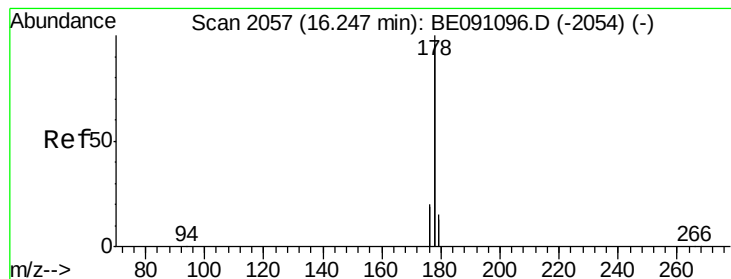
Delta R.T. -0.01 min

Lab File: BE091133.D

Acq: 12 Nov 2015 7:49

Tgt Ion:	178	Resp:	723659
Ion	Ratio	Lower	Upper
178	100		
176	21.3	16.2	24.4
179	14.8	12.8	19.2





#15

Anthracene

Concen: 0.12 ng/ul

RT: 16.16 min Scan# 2050

Delta R.T. -0.09 min

Lab File: BE091133.D

Acq: 12 Nov 2015 7:49

Instrument :

BNA_E

ClientSampleId :

A4HR7

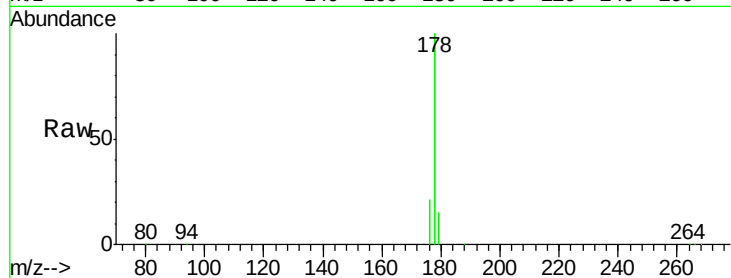
Tgt Ion:178 Resp: 637586

Ion Ratio Lower Upper

178 100

176 21.3 15.8 23.8

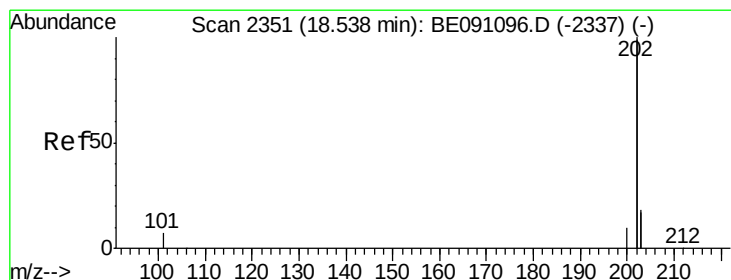
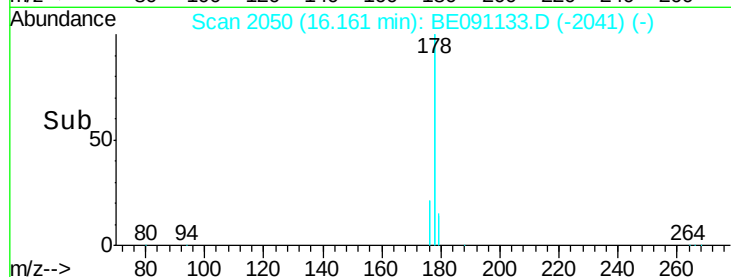
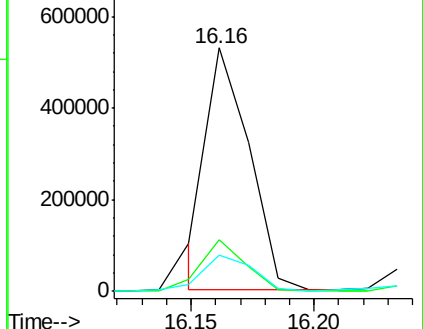
179 14.8 13.3 19.9



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



#19

Pyrene

Concen: 1.90 ng/ul

RT: 18.53 min Scan# 2350

Delta R.T. -0.00 min

Lab File: BE091133.D

Acq: 12 Nov 2015 7:49

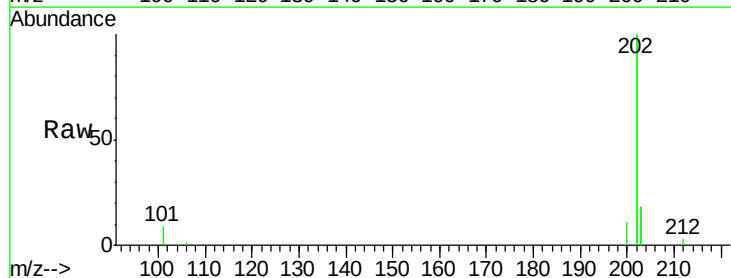
Tgt Ion:202 Resp: 782242

Ion Ratio Lower Upper

202 100

200 5.5 18.0 27.0#

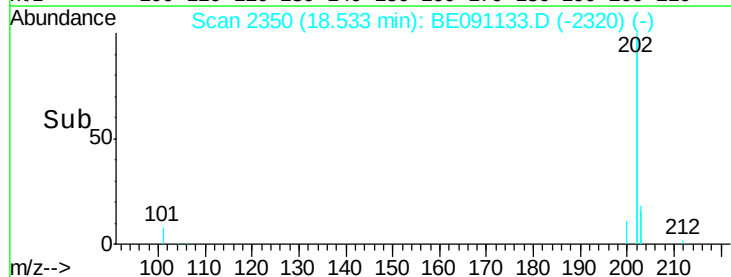
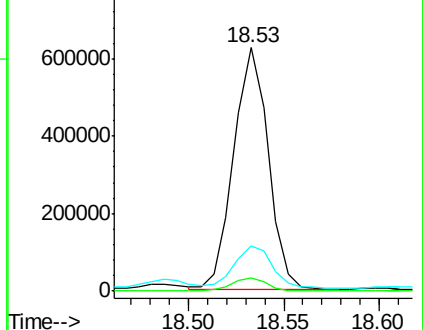
203 18.3 13.8 20.6

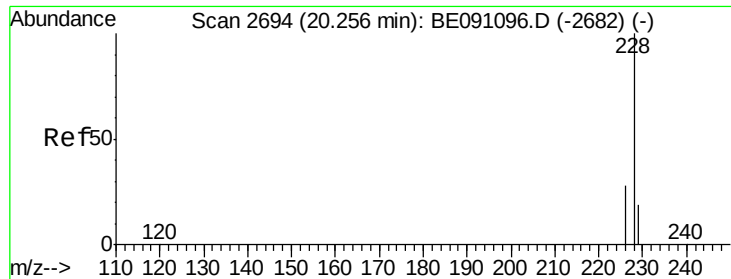


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 1.12 ng/ul

RT: 20.25 min Scan# 2693

Delta R.T. -0.00 min

Lab File: BE091133.D

Acq: 12 Nov 2015 7:49

Instrument :

BNA_E

ClientSampleId :

A4HR7

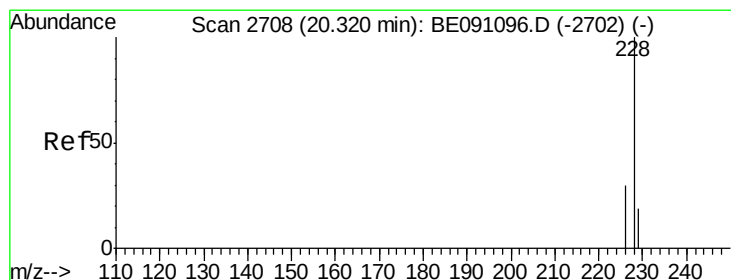
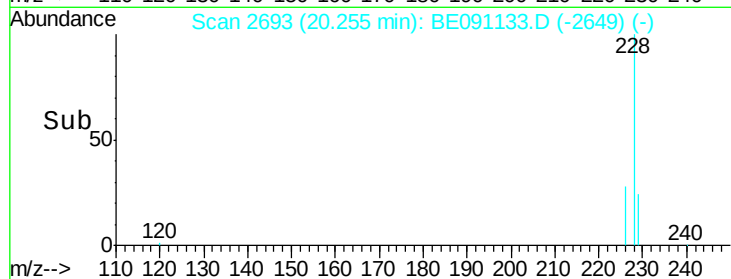
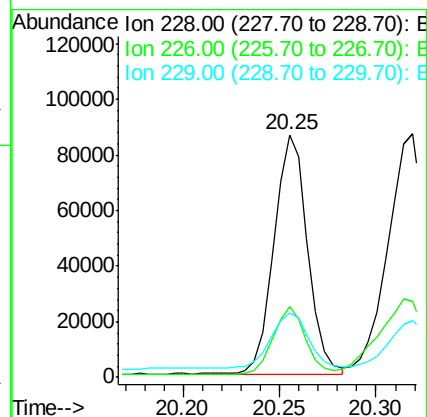
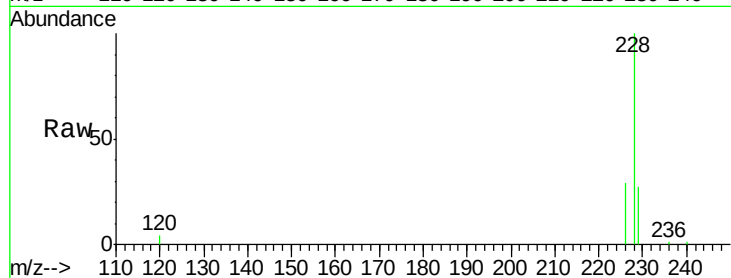
Tgt Ion:228 Resp: 103932

Ion Ratio Lower Upper

228 100

226 29.1 23.0 34.4

229 26.7 15.2 22.8#



#21

Chrysene

Concen: 1.13 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. -0.00 min

Lab File: BE091133.D

Acq: 12 Nov 2015 7:49

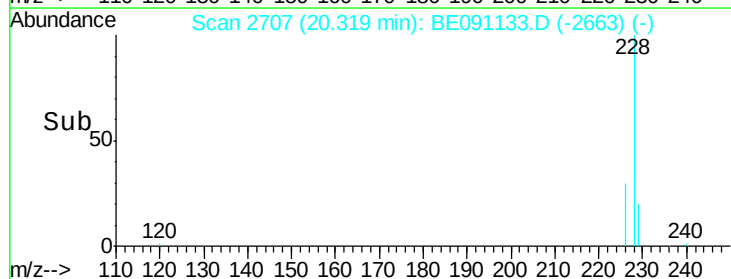
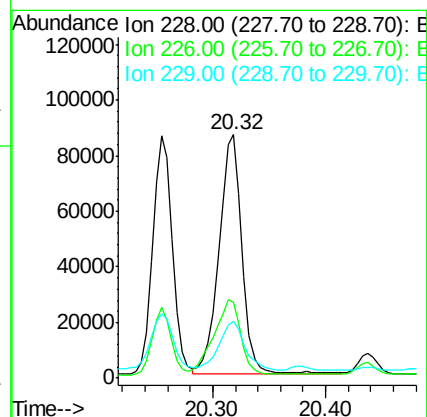
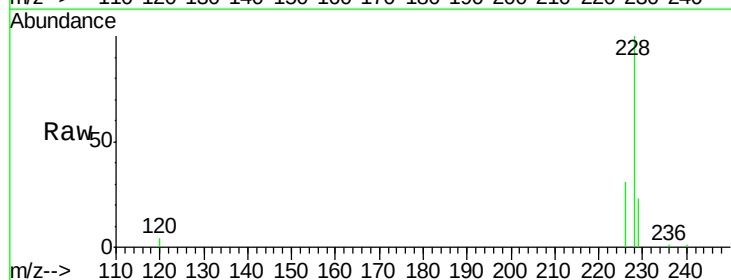
Tgt Ion:228 Resp: 121364

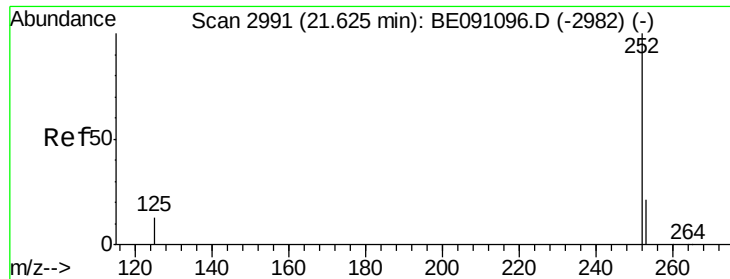
Ion Ratio Lower Upper

228 100

226 31.2 25.7 38.5

229 23.5 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.78 ng/ul

RT: 21.62 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE091133.D

Acq: 12 Nov 2015 7:49

Instrument :

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ClientSampleId :

A4HR7

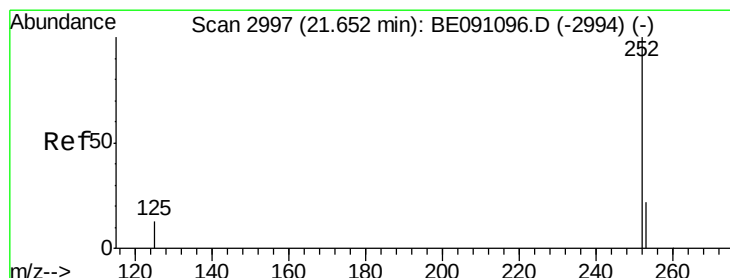
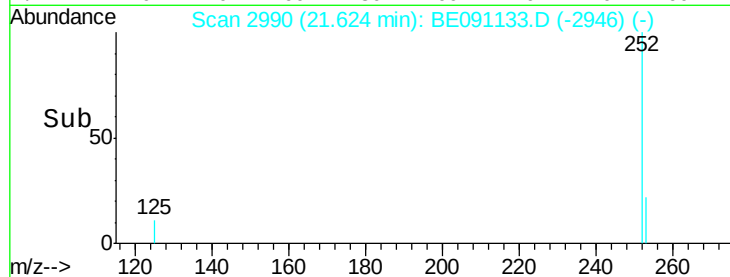
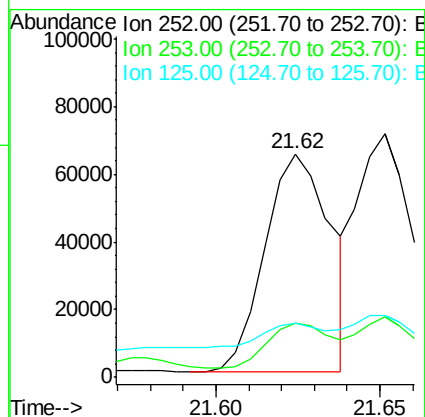
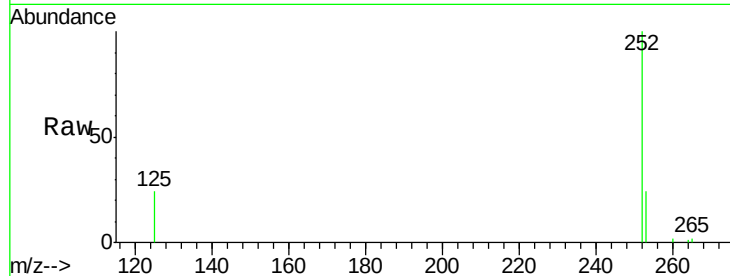
Tgt Ion:252 Resp: 89794

Ion Ratio Lower Upper

252 100

253 24.4 0.0 48.0

125 24.0 0.0 36.6



#24

Benzo(k)fluoranthene

Concen: 0.75 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BE091133.D

Acq: 12 Nov 2015 7:49

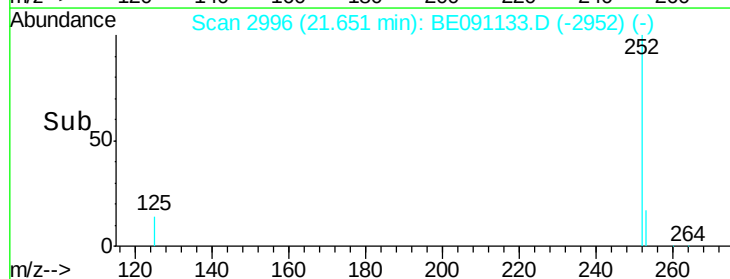
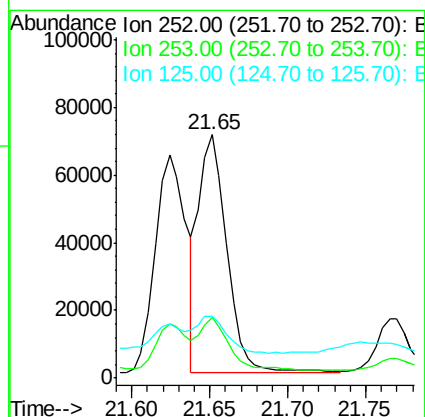
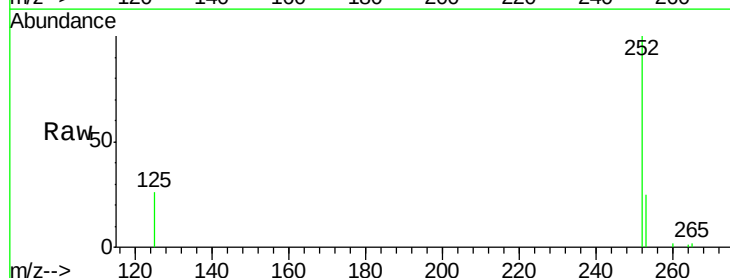
Tgt Ion:252 Resp: 88232

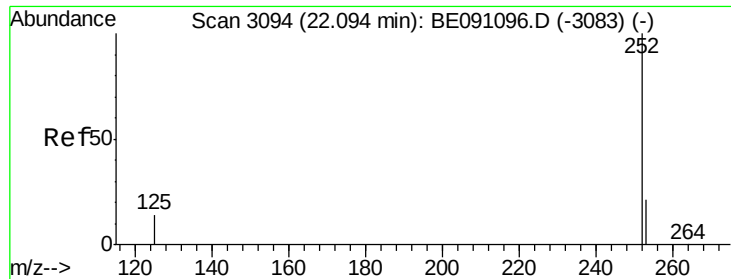
Ion Ratio Lower Upper

252 100

253 24.9 20.8 31.2

125 25.6 12.2 18.4#





#25

Benzo(a)pyrene

Concen: 0.90 ng/ul

RT: 22.09 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BE091133.D

Acq: 12 Nov 2015 7:49

Instrument :

BNA_E

ClientSampleId :

A4HR7

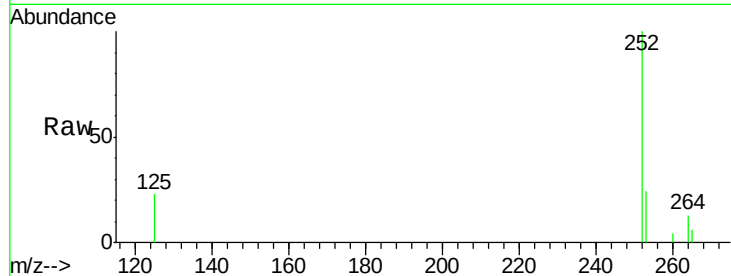
Tgt Ion: 252 Resp: 95921

Ion Ratio Lower Upper

252 100

253 24.2 21.8 32.8

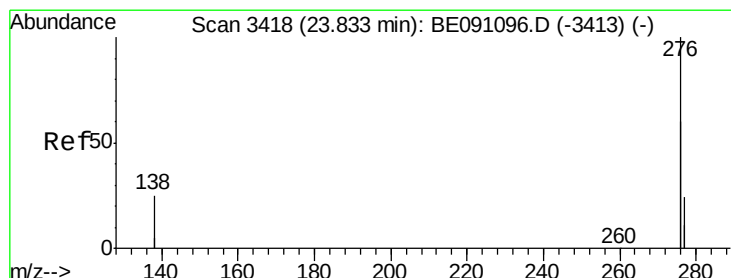
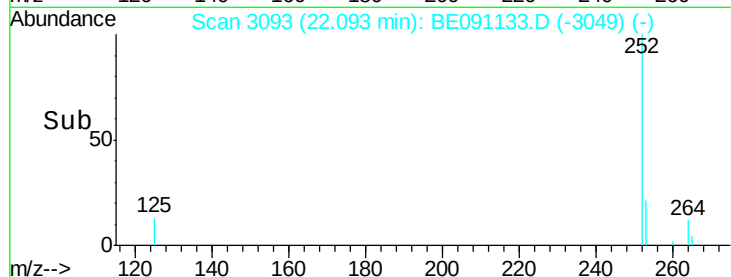
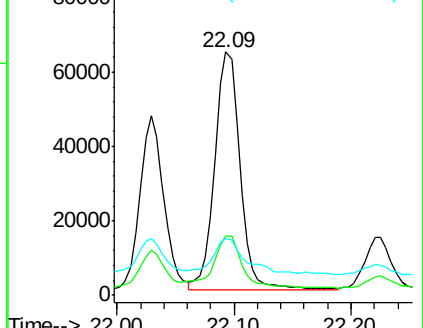
125 23.1 14.5 21.7#



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: 0.62 ng/ul

RT: 23.83 min Scan# 3417

Delta R.T. -0.00 min

Lab File: BE091133.D

Acq: 12 Nov 2015 7:49

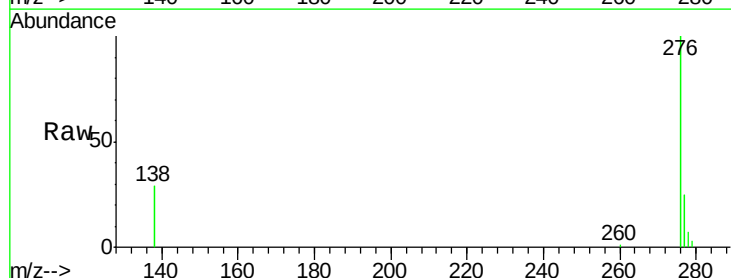
Tgt Ion: 276 Resp: 275452

Ion Ratio Lower Upper

276 100

138 24.4 27.5 41.3#

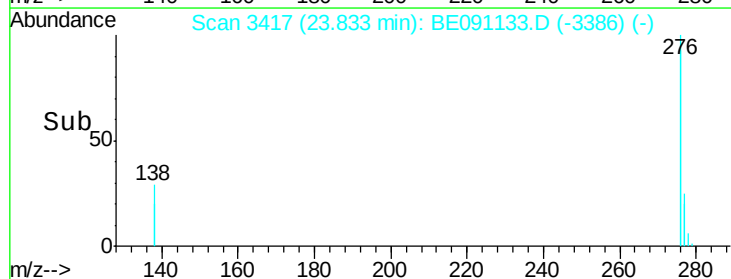
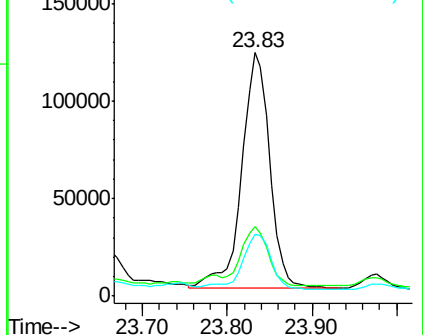
277 24.8 19.3 28.9

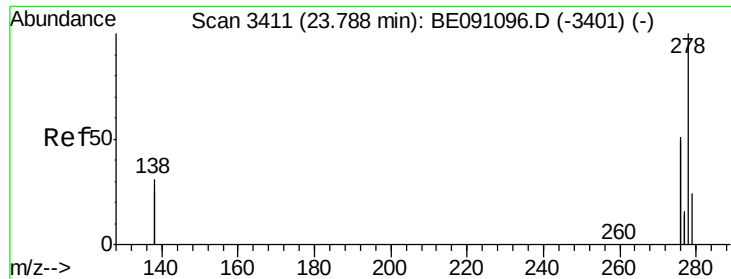


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

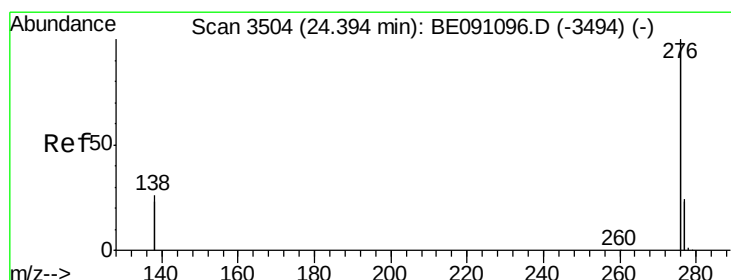
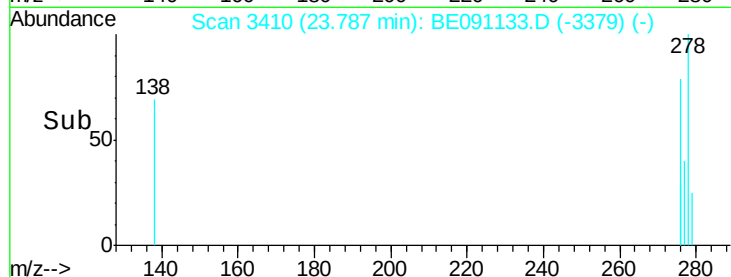
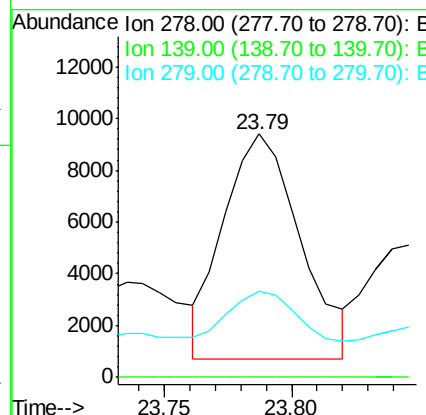
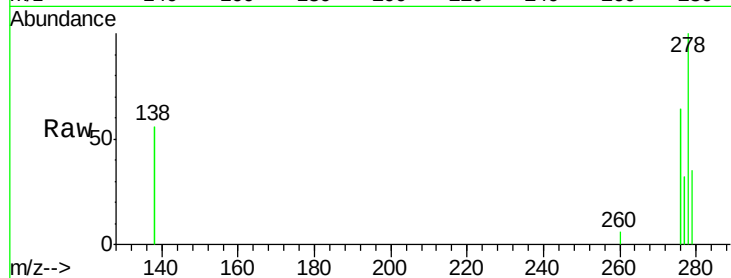




#27
Dibenzo(a,h)anthracene
Concen: 0.17 ng/ul
RT: 23.79 min Scan# 3410
Delta R.T. -0.00 min
Lab File: BE091133.D
Acq: 12 Nov 2015 7:49

Instrument :
BNA_E
ClientSampleId :
A4HR7

Tgt Ion: 278 Resp: 18203
Ion Ratio Lower Upper
278 100
139 0.0 21.7 32.5#
279 35.3 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.52 ng/ul
RT: 24.40 min Scan# 3504
Delta R.T. 0.01 min
Lab File: BE091133.D
Acq: 12 Nov 2015 7:49

Tgt Ion: 276 Resp: 243194
Ion Ratio Lower Upper
276 100
277 26.9 21.3 31.9
138 30.2 25.5 38.3

