

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091085.D
 Acq On : 6 Nov 2015 11:44
 Operator : UM/NP
 Sample : G4273-05DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP0DL

Quant Time: Nov 09 05:53:10 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 : Mon Nov 09 05:49:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	3155	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	17534	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	10089	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	24292	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	26091	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	26484	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.98	96	2607	1.15	ng/uL	0.03
6) 2-Methylnaphthalene-d10	11.08	152	1043	0.04	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	2842	0.04	ng/ul	0.00

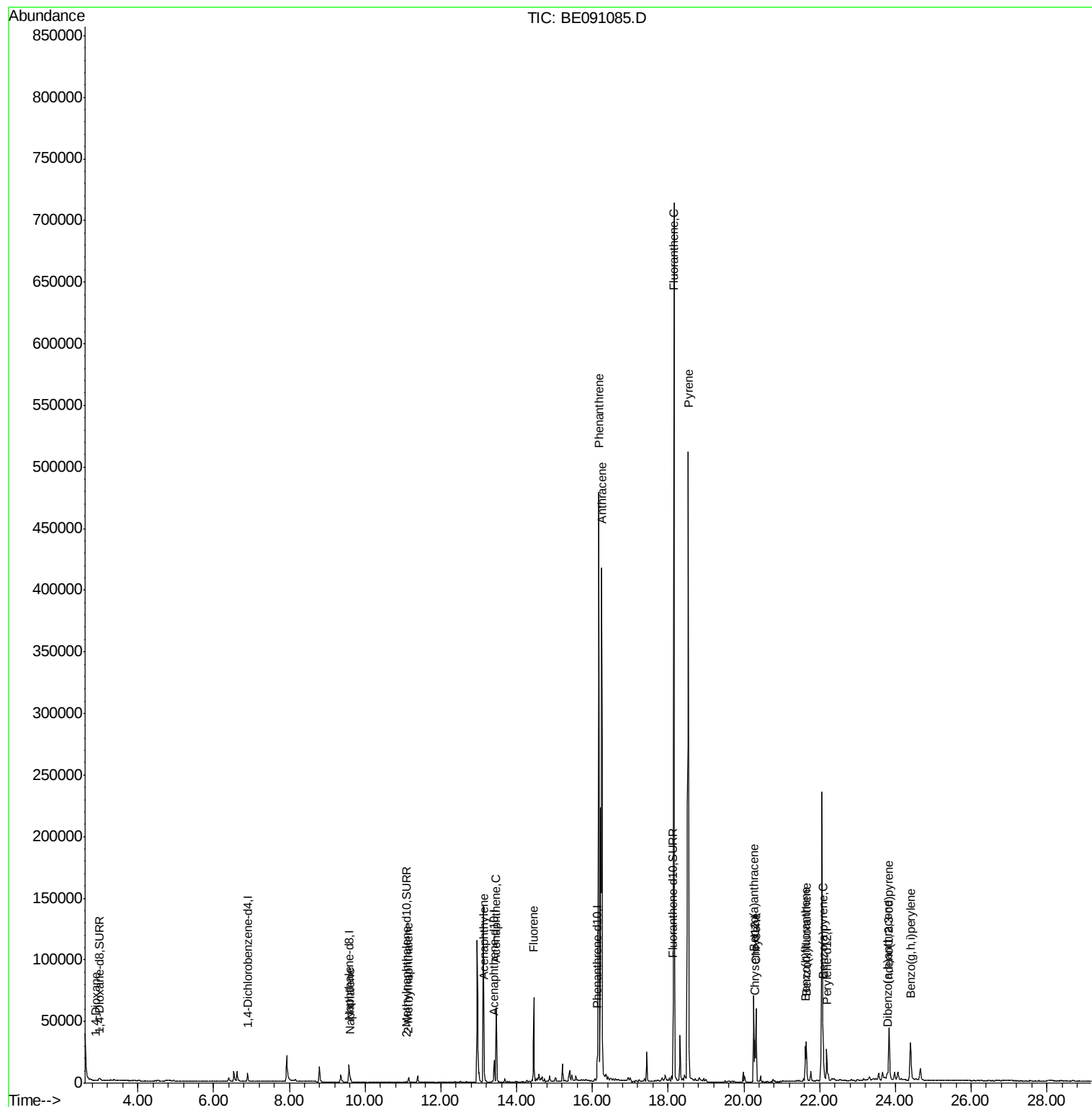
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.90	88	456	0.18	ng/ul#	27
5) Naphthalene	9.61	128	3446	0.08	ng/ul#	94
7) 2-Methylnaphthalene	11.15	142	3190	0.11	ng/ul	95
9) Acenaphthylene	13.14	152	5223	0.10	ng/ul	100
10) Acenaphthene	13.46	153	34479	1.00	ng/ul	95
11) Fluorene	14.45	166	44824	1.01	ng/ul	90
14) Phenanthrene	16.17	178	501664	1.79	ng/ul	97
15) Anthracene	16.25	178	437107	1.71	ng/ul	98
17) Fluoranthene	18.15	202	714823	2.18	ng/ul	88
19) Pyrene	18.54	202	510249	1.72	ng/ul#	78
20) Benzo(a)anthracene	20.26	228	54733	0.82	ng/ul	95
21) Chrysene	20.32	228	53199	0.69	ng/ul	97
23) Benzo(b)fluoranthene	21.63	252	28648	0.35	ng/ul	95
24) Benzo(k)fluoranthene	21.65	252	32291	0.38	ng/ul	96
25) Benzo(a)pyrene	22.09	252	33328	0.44	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	64224	0.20	ng/ul#	87
27) Dibenzo(a,h)anthracene	23.79	278	4967	0.06	ng/ul#	69
28) Benzo(g,h,i)perylene	24.40	276	49951	0.15	ng/ul	96

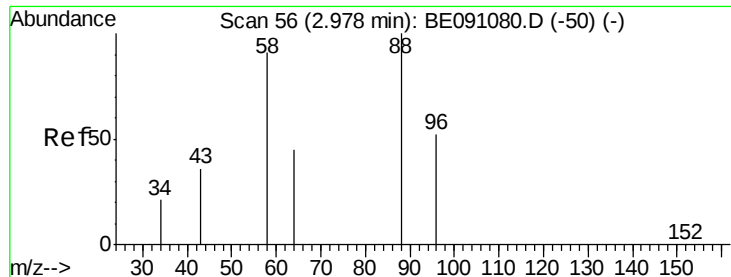
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.18 ng/ul

RT: 2.90 min Scan# 45

Delta R.T. -0.07 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

Instrument :

BNA_E

ClientSampleId :

C0AP0DL

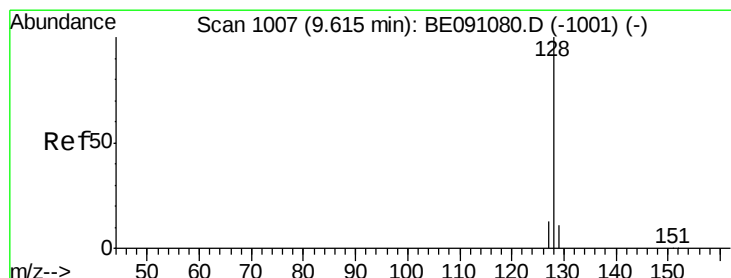
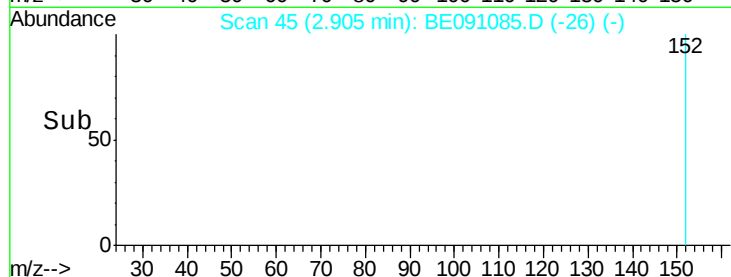
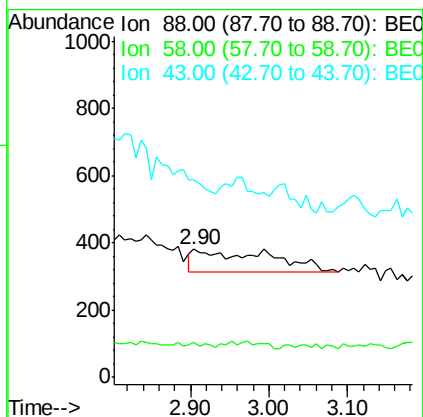
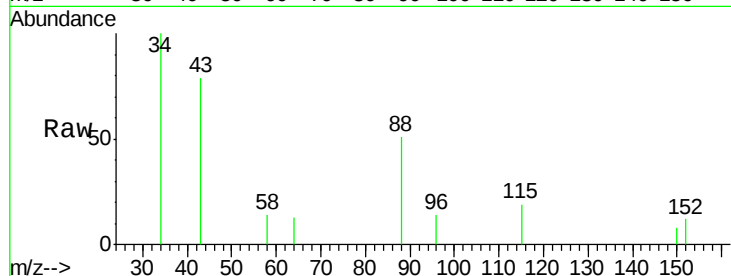
Tgt Ion: 88 Resp: 456

Ion Ratio Lower Upper

88 100

58 3.3 55.4 83.2#

43 0.0 24.2 36.2#



#5

Naphthalene

Concen: 0.08 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

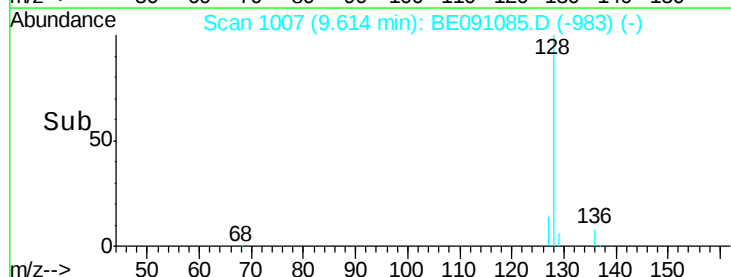
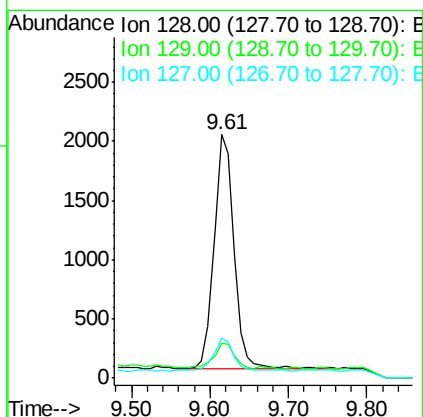
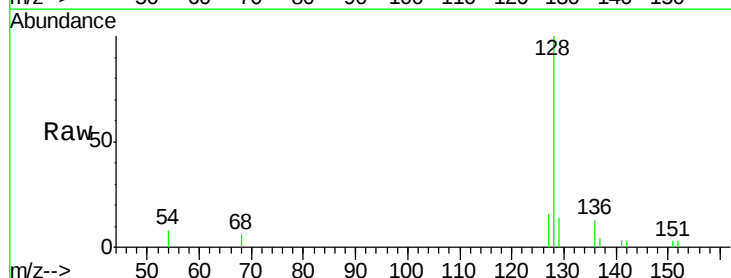
Tgt Ion: 128 Resp: 3446

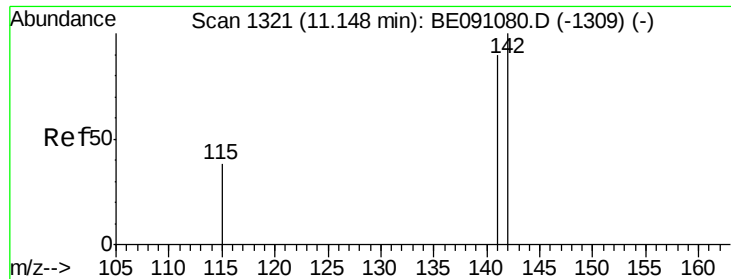
Ion Ratio Lower Upper

128 100

129 14.4 9.8 14.8

127 16.4 10.7 16.1#





#7

2-Methylnaphthalene

Concen: 0.11 ng/ul

RT: 11.15 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

Instrument :

BNA_E

ClientSampleId :

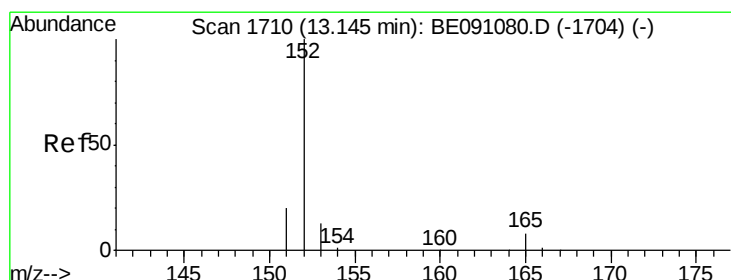
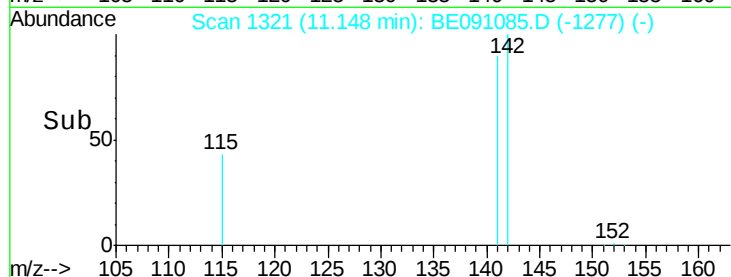
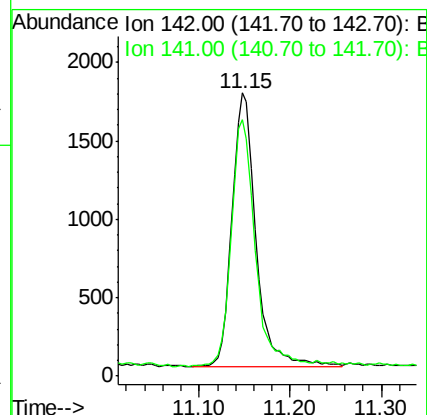
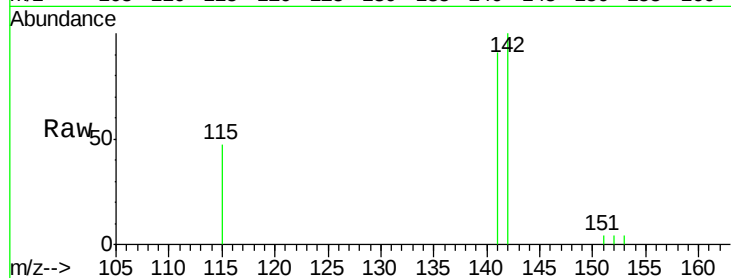
C0AP0DL

Tgt Ion:142 Resp: 3190

Ion Ratio Lower Upper

142 100

141 92.4 70.3 105.5



#9

Acenaphthylene

Concen: 0.10 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

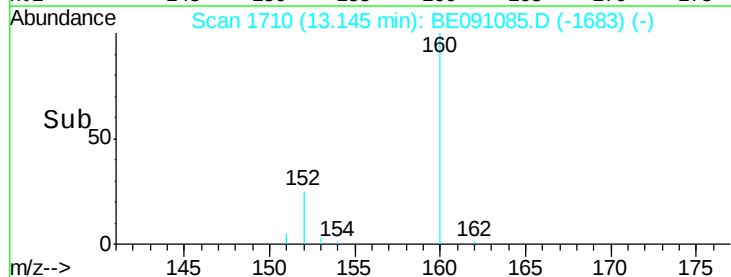
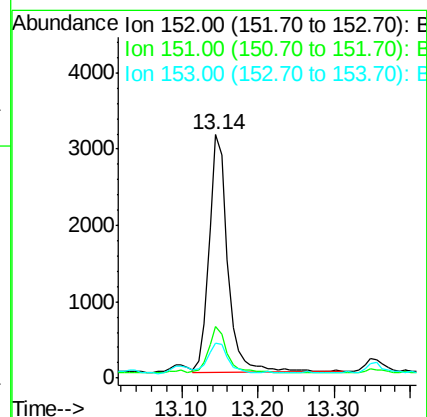
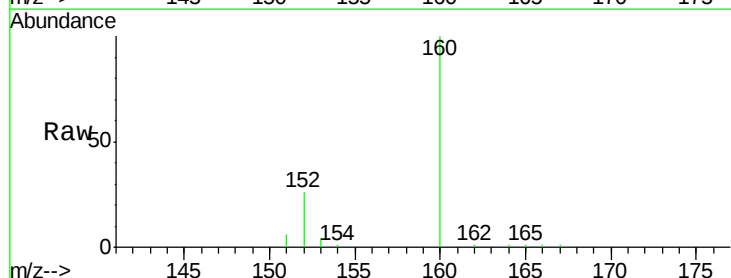
Tgt Ion:152 Resp: 5223

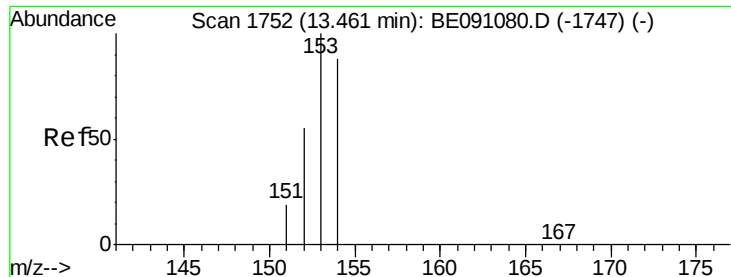
Ion Ratio Lower Upper

152 100

151 21.2 16.8 25.2

153 14.3 11.3 16.9





#10

Acenaphthene

Concen: 1.00 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

Instrument :

BNA_E

ClientSampleId :

C0AP0DL

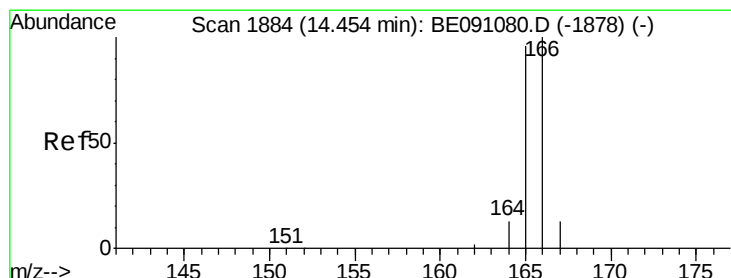
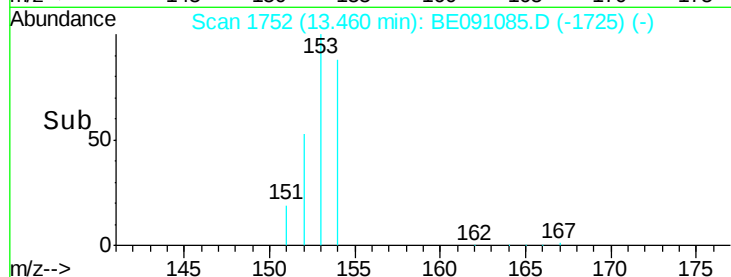
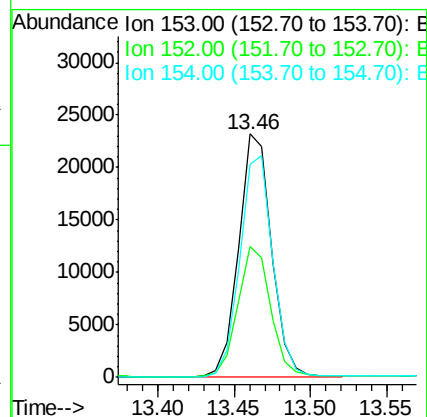
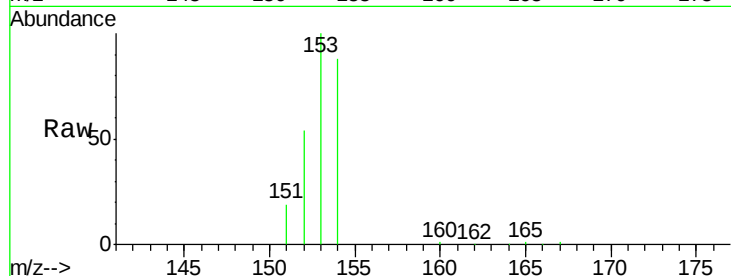
Tgt Ion:153 Resp: 34479

Ion Ratio Lower Upper

153 100

152 53.6 42.3 63.5

154 87.7 64.7 97.1



#11

Fluorene

Concen: 1.01 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

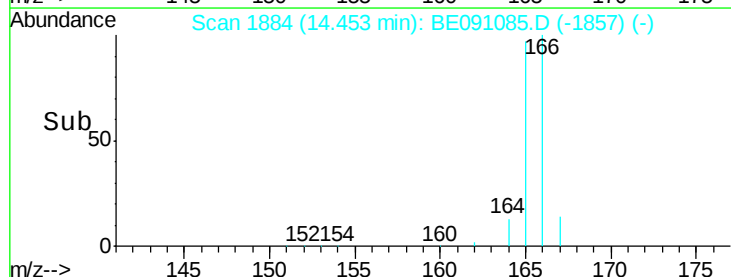
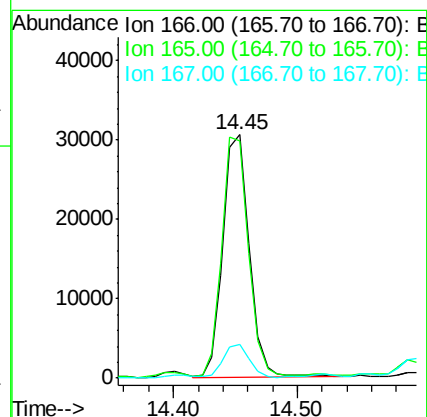
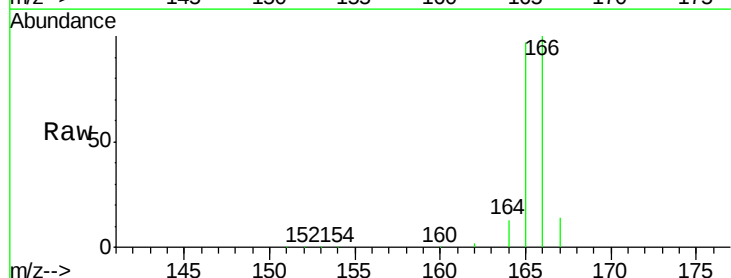
Tgt Ion:166 Resp: 44824

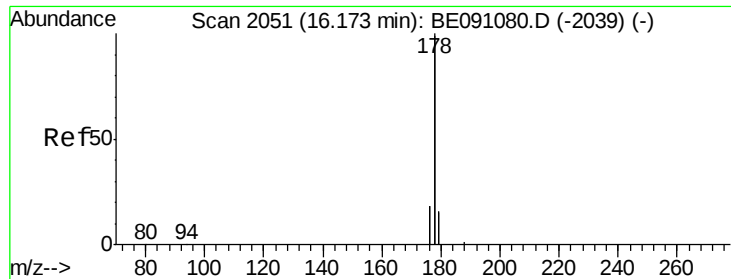
Ion Ratio Lower Upper

166 100

165 97.5 87.6 131.4

167 13.7 11.1 16.7

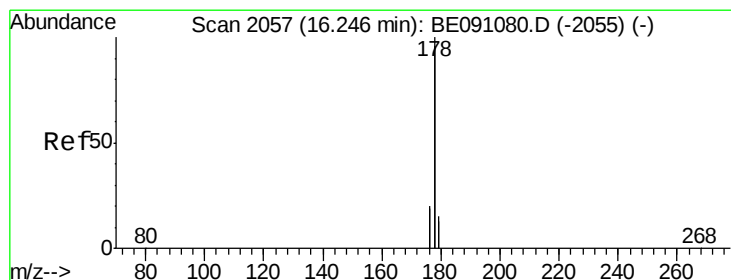
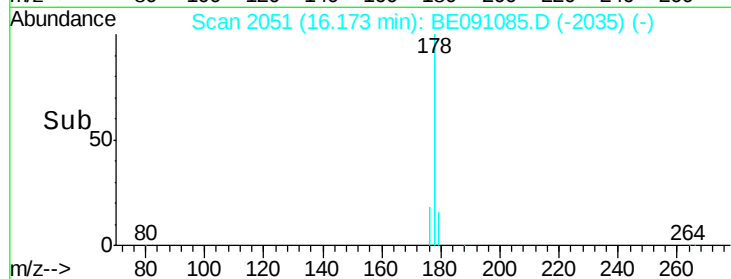
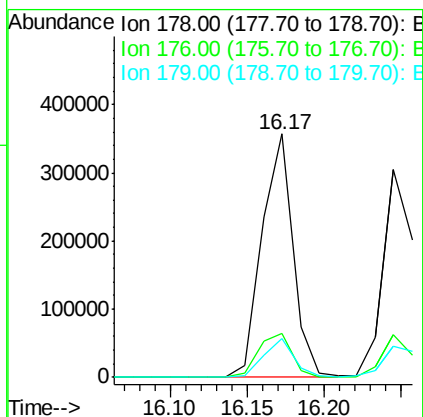
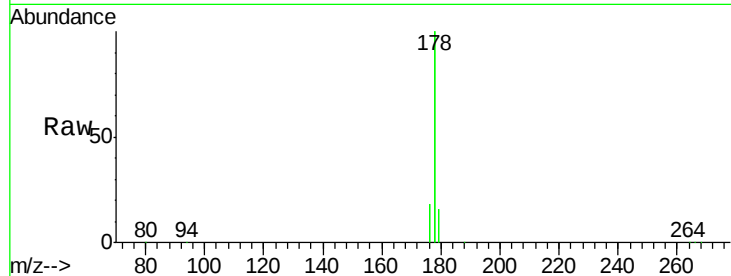




#14
Phenanthrene
Concen: 1.79 ng/ul
RT: 16.17 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BE091085.D
Acq: 6 Nov 2015 11:44

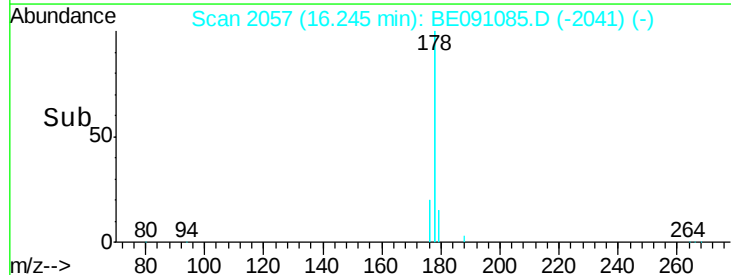
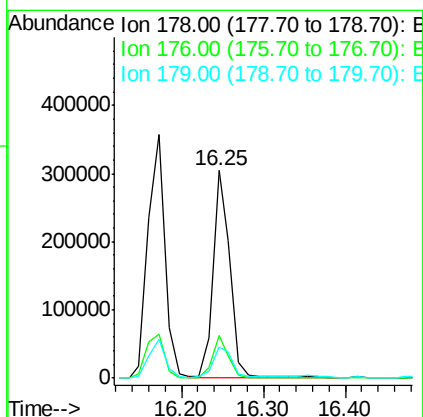
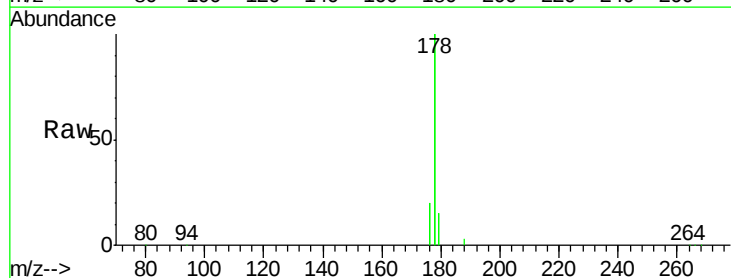
Instrument :
BNA_E
ClientSampleId :
C0AP0DL

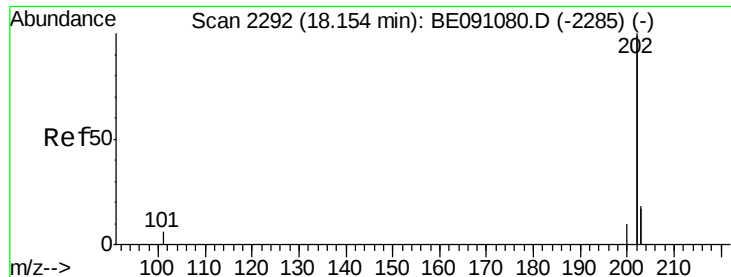
Tgt Ion:178 Resp: 501664
Ion Ratio Lower Upper
178 100
176 17.9 16.2 24.4
179 16.1 12.8 19.2



#15
Anthracene
Concen: 1.71 ng/ul
RT: 16.25 min Scan# 2057
Delta R.T. -0.00 min
Lab File: BE091085.D
Acq: 6 Nov 2015 11:44

Tgt Ion:178 Resp: 437107
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 15.2 13.3 19.9

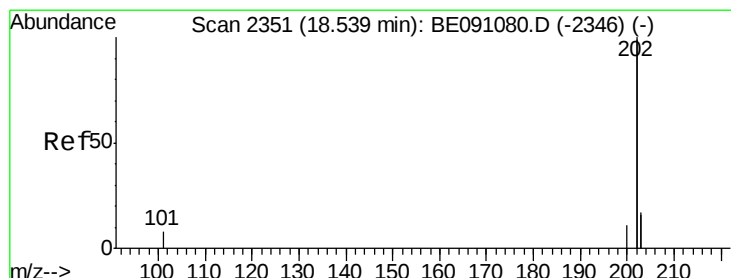
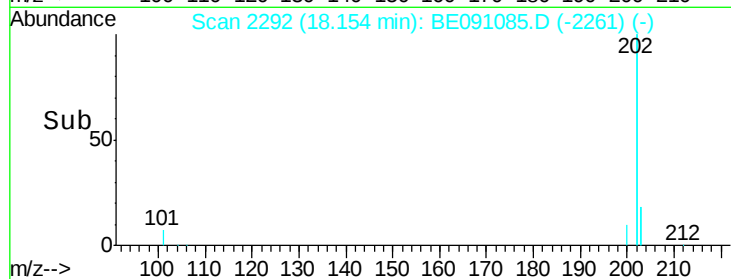
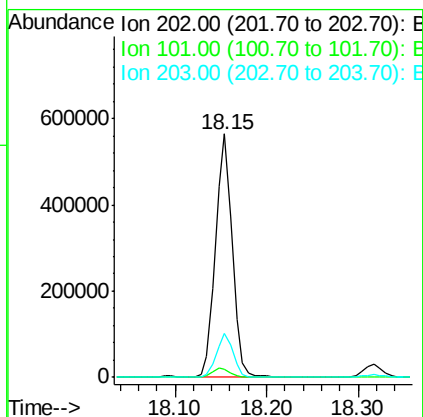
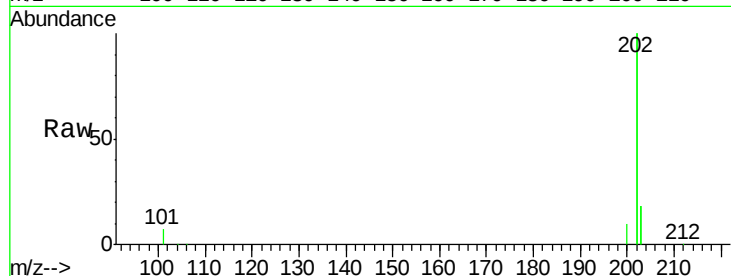




#17
Fluoranthene
 Concen: 2.18 ng/ul
 RT: 18.15 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: BE091085.D
 Acq: 6 Nov 2015 11:44

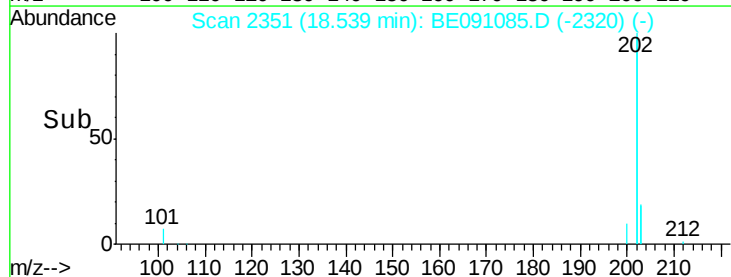
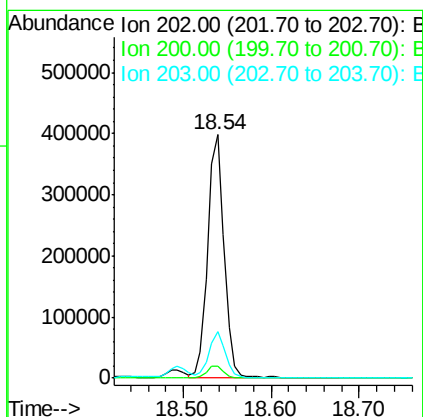
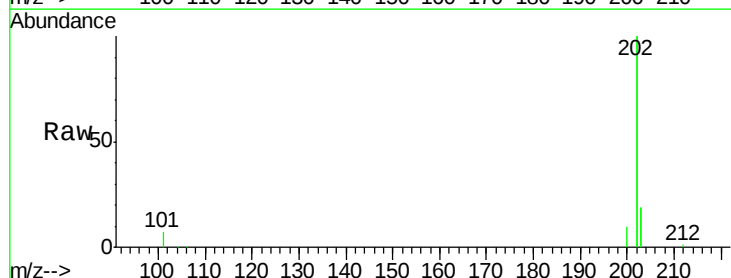
Instrument :
 BNA_E
 ClientSampleId :
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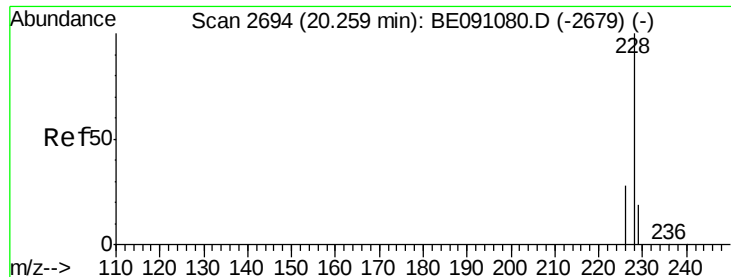
Tgt Ion:202 Resp: 714823
 Ion Ratio Lower Upper
 202 100
 101 3.3 0.0 33.1
 203 18.0 0.0 37.2



#19
Pyrene
 Concen: 1.72 ng/ul
 RT: 18.54 min Scan# 2351
 Delta R.T. -0.00 min
 Lab File: BE091085.D
 Acq: 6 Nov 2015 11:44

Tgt Ion:202 Resp: 510249
 Ion Ratio Lower Upper
 202 100
 200 5.1 18.0 27.0#
 203 18.9 13.8 20.6





#20

Benzo(a)anthracene

Concen: 0.82 ng/ul

RT: 20.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

Instrument :

BNA_E

ClientSampleId :

C0AP0DL

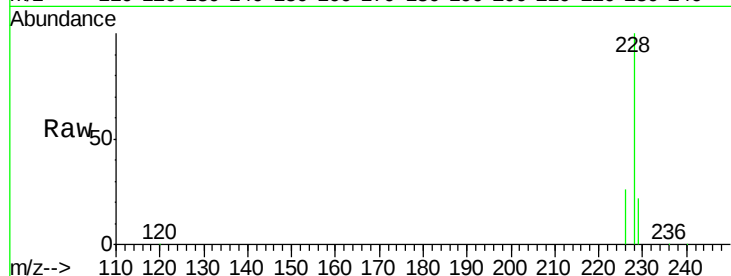
Tgt Ion:228 Resp: 54733

Ion Ratio Lower Upper

228 100

226 26.4 23.0 34.4

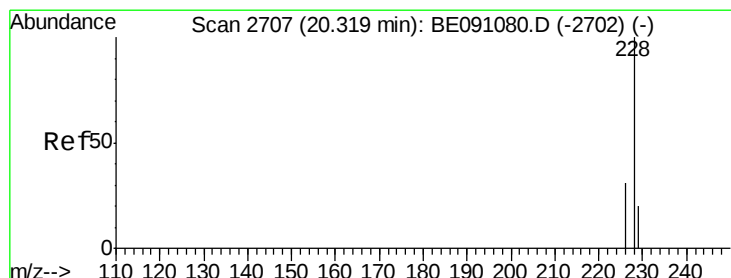
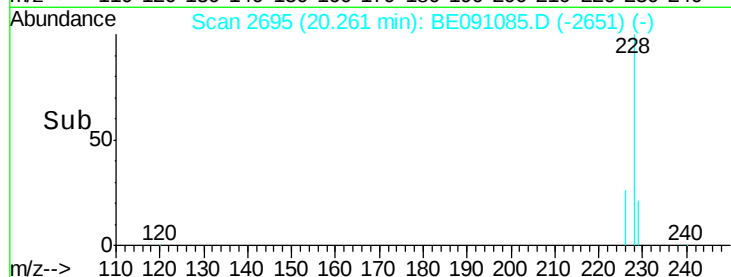
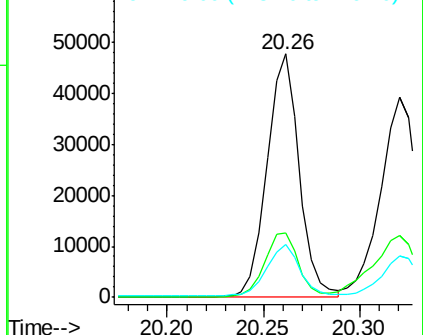
229 21.5 15.2 22.8



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: 0.69 ng/ul

RT: 20.32 min Scan# 2708

Delta R.T. 0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

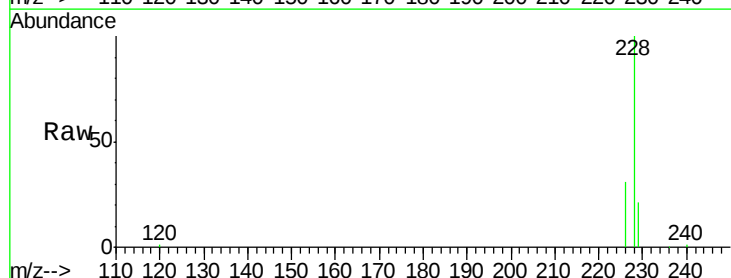
Tgt Ion:228 Resp: 53199

Ion Ratio Lower Upper

228 100

226 30.9 25.7 38.5

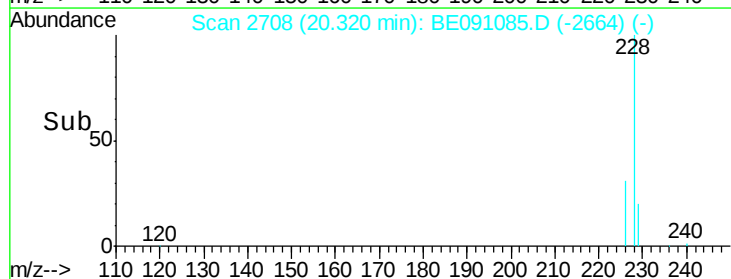
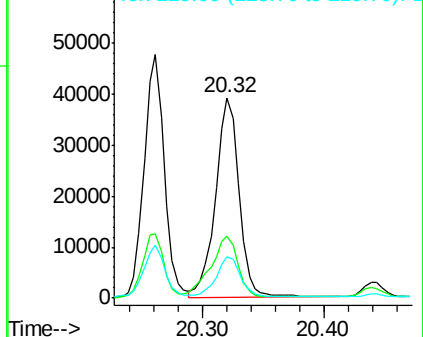
229 20.7 15.2 22.8

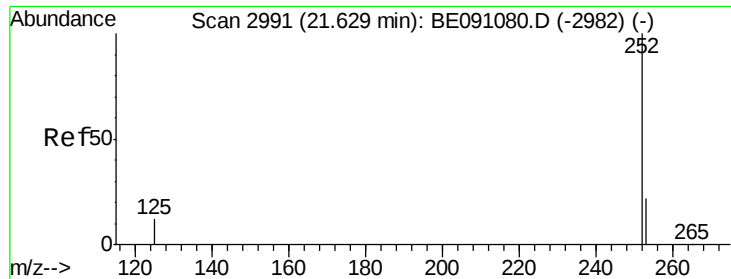


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.35 ng/u1

RT: 21.63 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

Instrument :

BNA_E

ClientSampleId :

C0AP0DL

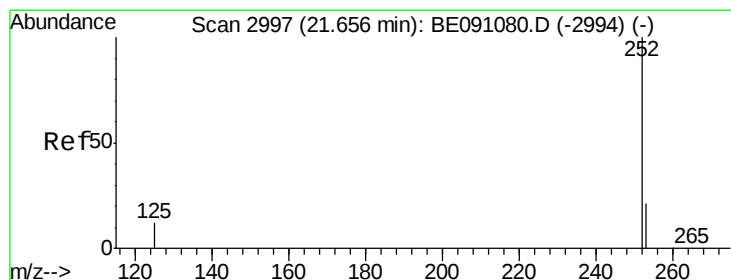
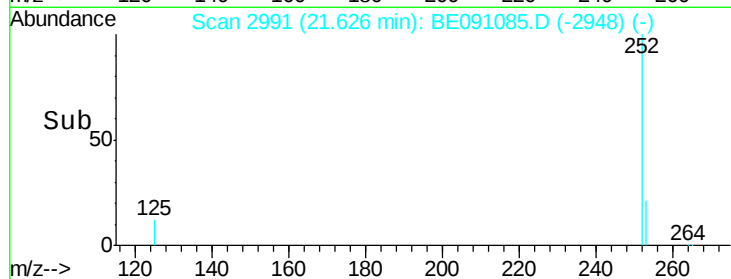
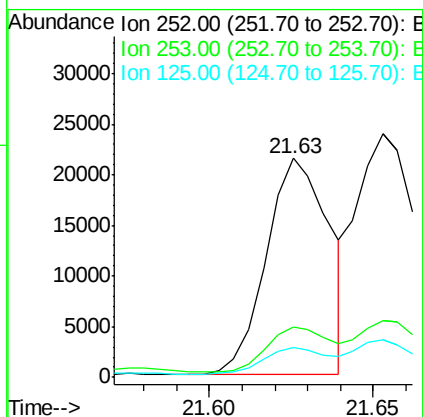
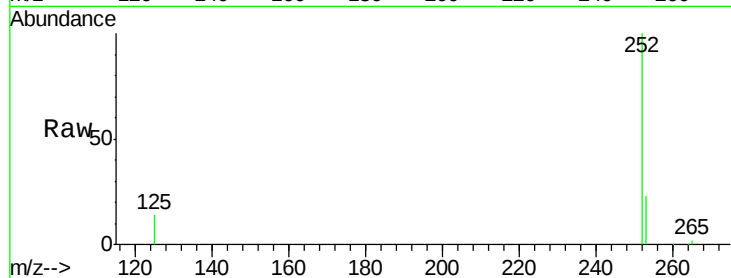
Tgt Ion:252 Resp: 28648

Ion Ratio Lower Upper

252 100

253 23.2 0.0 48.0

125 13.7 0.0 36.6



#24

Benzo(k)fluoranthene

Concen: 0.38 ng/u1

RT: 21.65 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

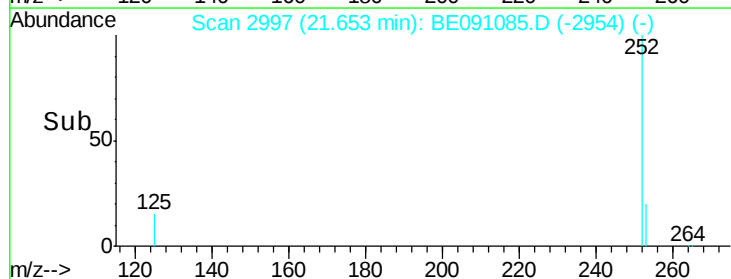
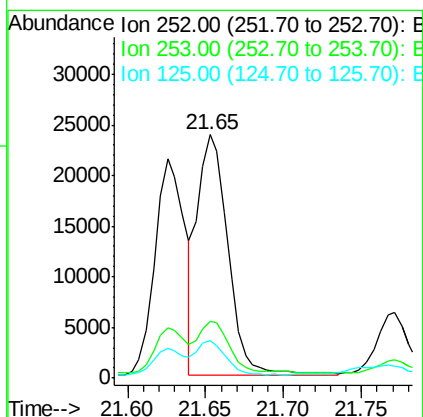
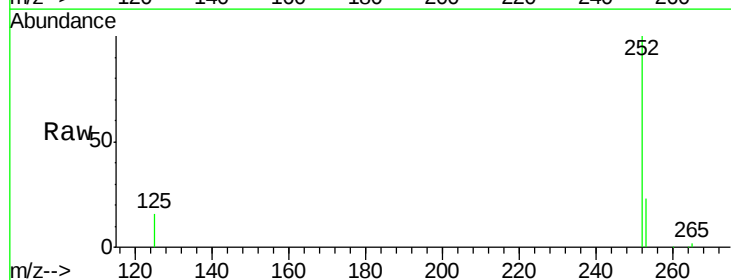
Tgt Ion:252 Resp: 32291

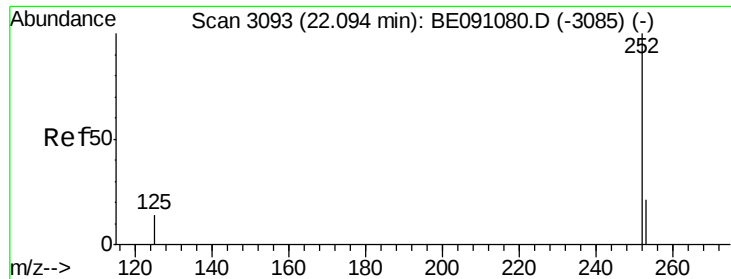
Ion Ratio Lower Upper

252 100

253 23.2 20.8 31.2

125 15.6 12.2 18.4





#25

Benzo(a)pyrene

Concen: 0.44 ng/ul

RT: 22.09 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

Instrument :

BNA_E

ClientSampleId :

C0AP0DL

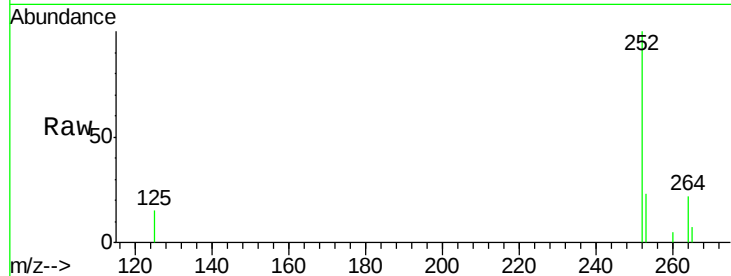
Tgt Ion:252 Resp: 33328

Ion Ratio Lower Upper

252 100

253 22.9 21.8 32.8

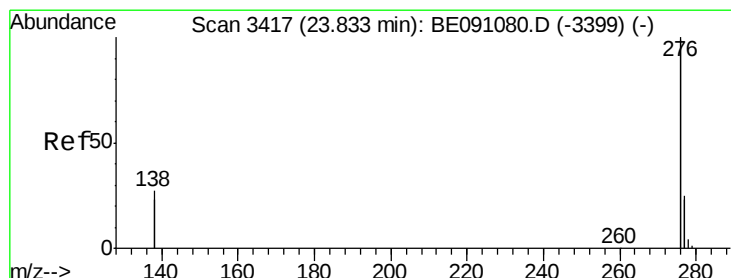
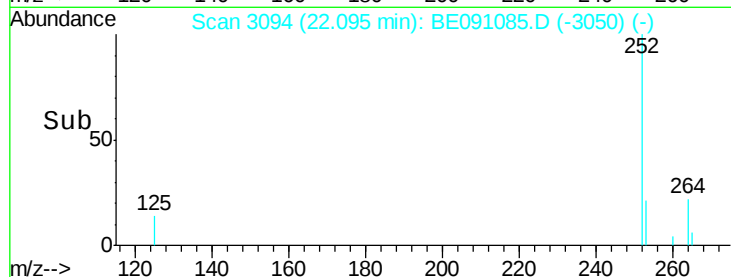
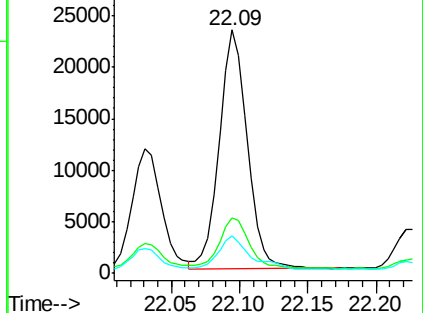
125 15.2 14.5 21.7



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: 0.20 ng/ul

RT: 23.83 min Scan# 3417

Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

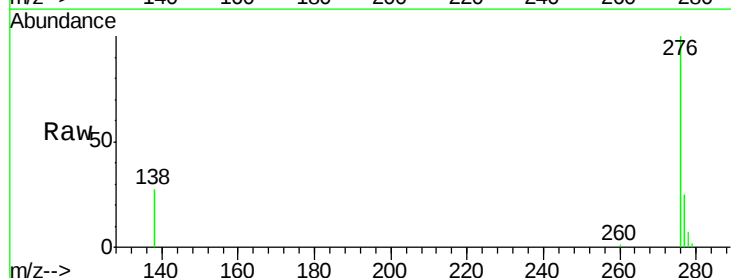
Tgt Ion:276 Resp: 64224

Ion Ratio Lower Upper

276 100

138 22.5 27.5 41.3#

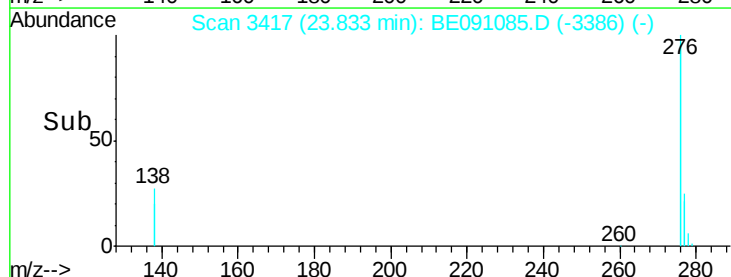
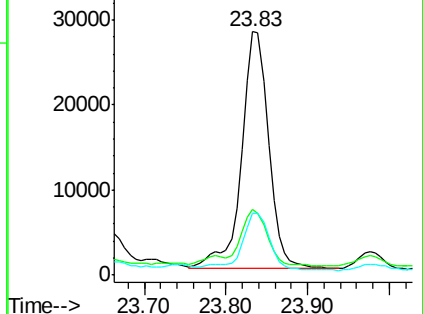
277 25.1 19.3 28.9

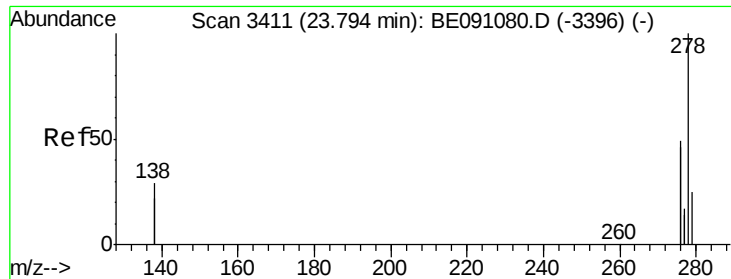


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

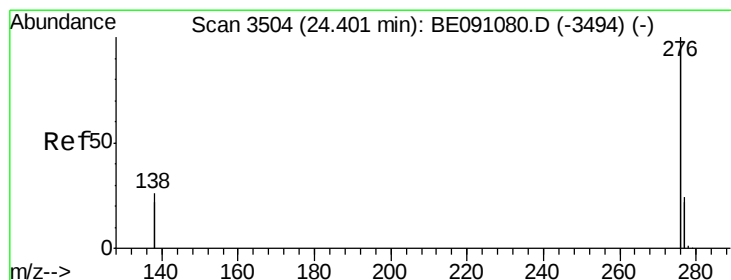
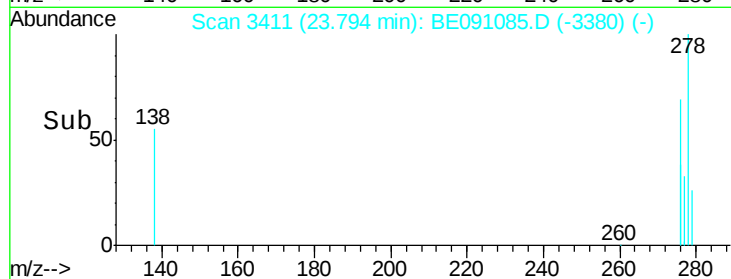
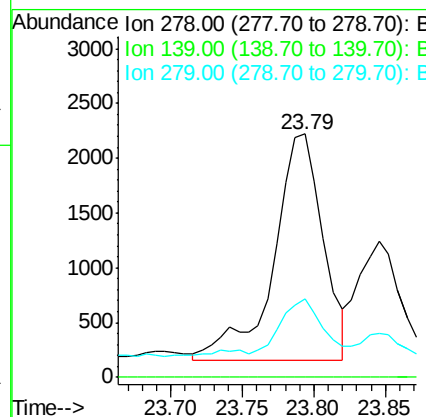
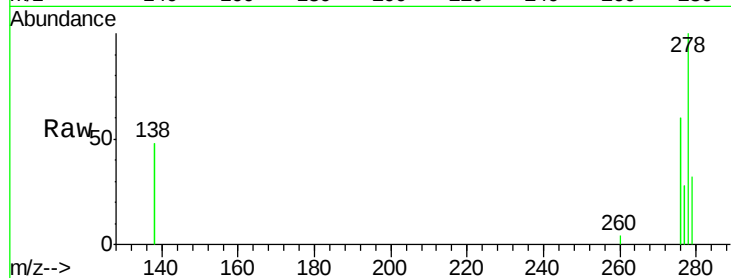




#27
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 23.79 min Scan# 3411
Delta R.T. -0.00 min
Lab File: BE091085.D
Acq: 6 Nov 2015 11:44

Instrument :
BNA_E
ClientSampleId :
C0AP0DL

Tgt Ion: 278 Resp: 4967
Ion Ratio Lower Upper
278 100
139 0.0 21.7 32.5#
279 32.3 21.9 32.9



#28
Benzo(g,h,i)perylene
Concen: 0.15 ng/ul
RT: 24.40 min Scan# 3504
Delta R.T. -0.00 min
Lab File: BE091085.D
Acq: 6 Nov 2015 11:44

Tgt Ion: 276 Resp: 49951
Ion Ratio Lower Upper
276 100
277 25.9 21.3 31.9
138 28.7 25.5 38.3

