

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091233.D
 Acq On : 18 Nov 2015 18:22
 Operator : UM/NP
 Sample : G4273-11DL 25X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7DL2

Quant Time: Nov 19 06:04:13 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 : Thu Nov 19 06:02:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	2509	0.40	ng/ul	0.00
4) Naphthalene-d8	9.59	136	12404	0.40	ng/ul	0.02
8) Acenaphthene-d10	13.38	164	6180	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	21460	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	33612	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	29718	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.99	96	11	0.01	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.12	152	77	0.00	ng/ul	0.05
16) Fluoranthene-d10	18.08	212	300	0.00	ng/ul	0.00

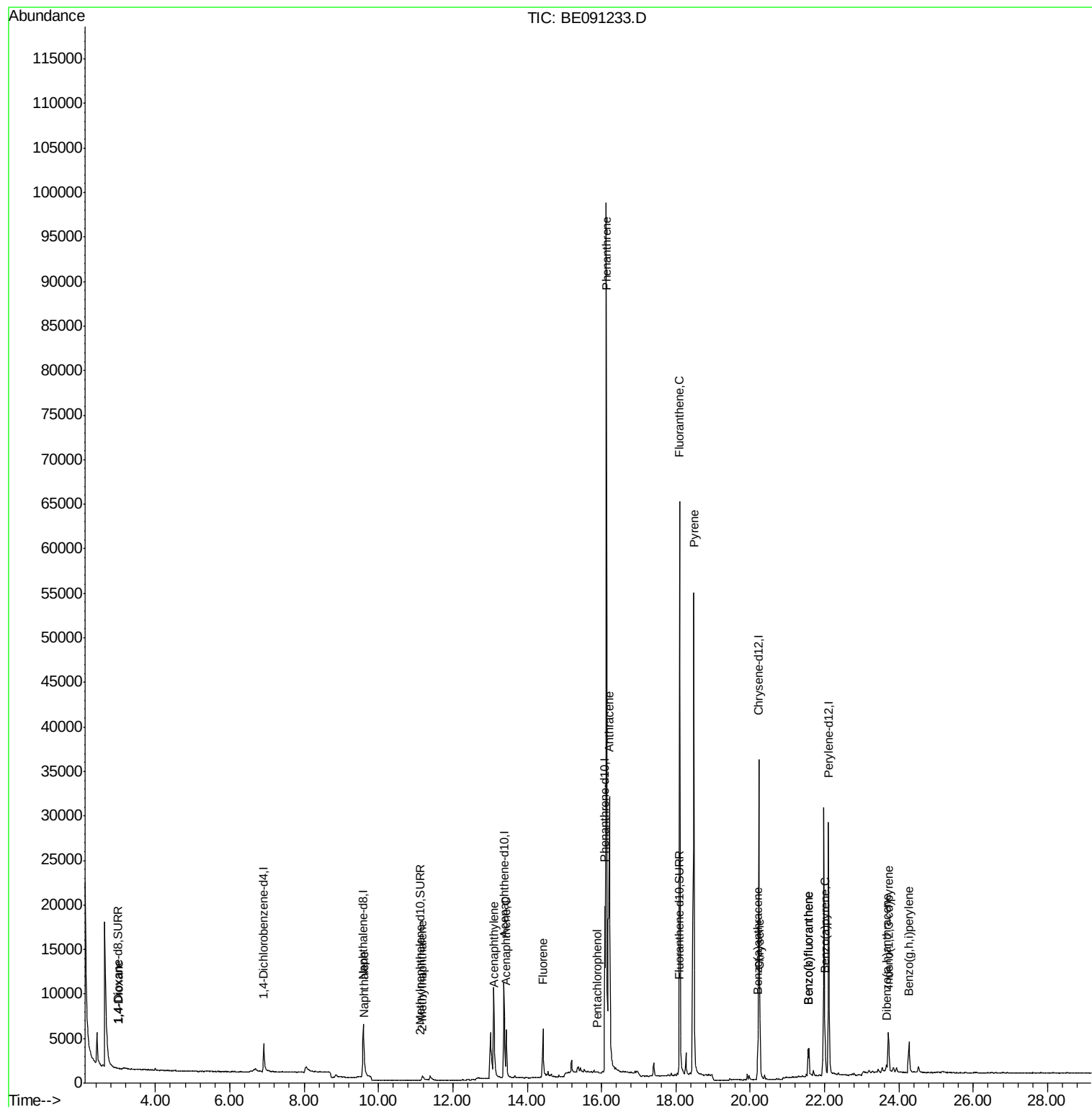
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.02	88	80	0.04	ng/ul#	37
5) Naphthalene	9.63	128	615	0.02	ng/ul#	55
7) 2-Methylnaphthalene	11.18	142	788	0.04	ng/ul	94
9) Acenaphthylene	13.12	152	470	0.02	ng/ul#	55
10) Acenaphthene	13.44	153	3476	0.16	ng/ul#	83
11) Fluorene	14.42	166	4487	0.17	ng/ul	94
13) Pentachlorophenol	15.88	266	9	0.00	ng/ul#	1
14) Phenanthrene	16.12	178	105133	0.42	ng/ul	98
15) Anthracene	16.21	178	39626	0.18	ng/ul	98
17) Fluoranthene	18.10	202	73315	0.25	ng/ul	88
19) Pyrene	18.48	202	60359	0.16	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	4341	0.05	ng/ul	97
21) Chrysene	20.26	228	6114	0.06	ng/ul	97
23) Benzo(b)fluoranthene	21.56	252	3013	0.03	ng/ul	96
24) Benzo(k)fluoranthene	21.56	252	3013	0.03	ng/ul	96
25) Benzo(a)pyrene	22.01	252	3939	0.05	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	23.72	276	6536	0.02	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.66	278	640	0.01	ng/ul#	63
28) Benzo(g,h,i)perylene	24.27	276	6336	0.02	ng/ul#	84

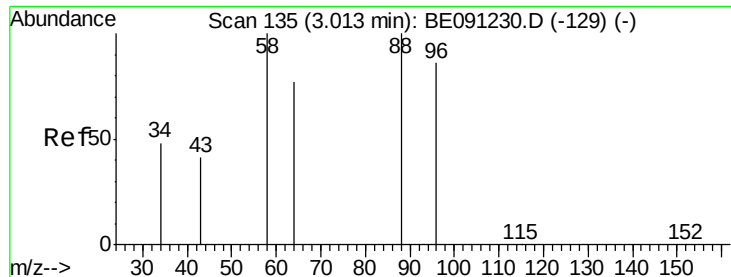
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 3.02 min Scan# 136

Delta R.T. 0.01 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

Instrument :

BNA_E

ClientSampleId :

C0AP7DL2

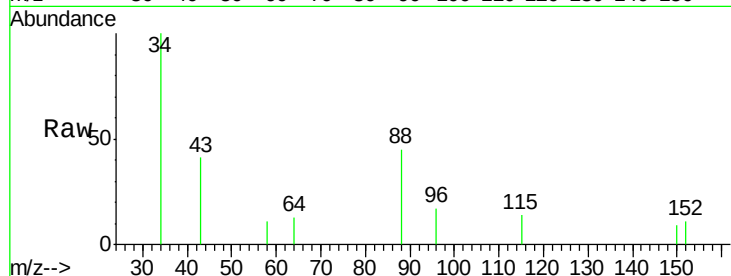
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

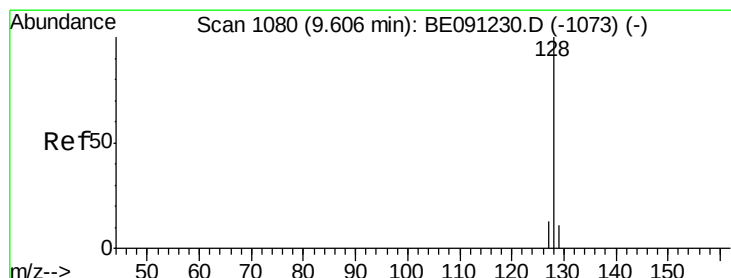
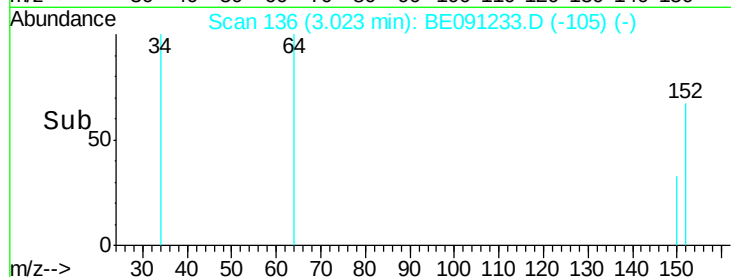
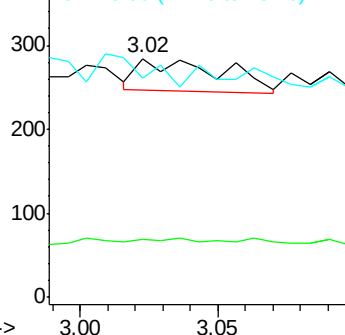
88 100

58 15.0 55.4 83.2#

43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 0.02 ng/ul

RT: 9.63 min Scan# 1083

Delta R.T. 0.02 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

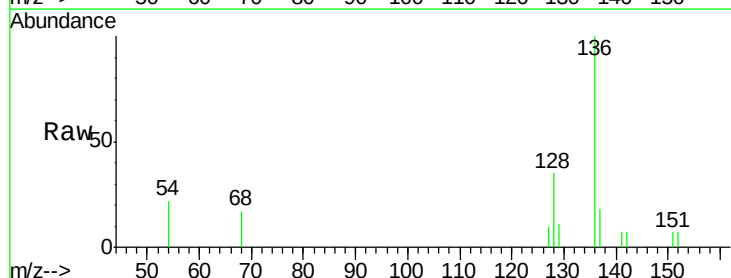
Tgt Ion: 128 Resp: 615

Ion Ratio Lower Upper

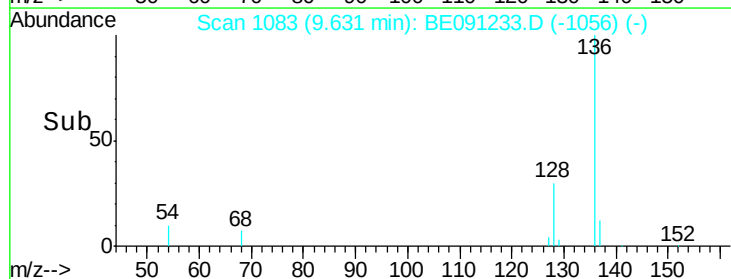
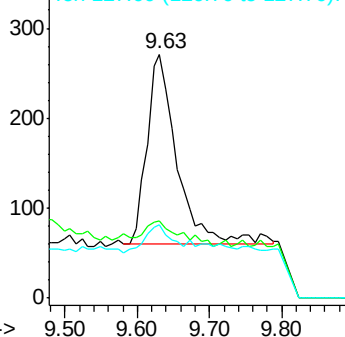
128 100

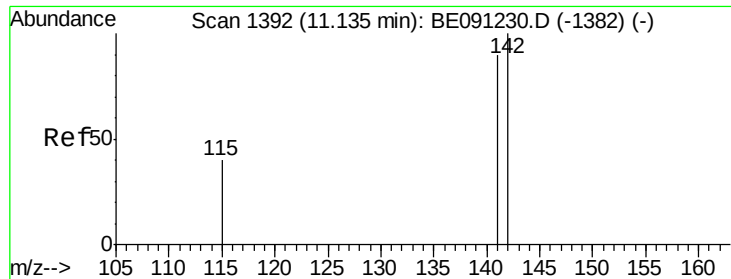
129 31.7 9.8 14.8#

127 29.9 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: 0.04 ng/ul

RT: 11.18 min Scan# 1403

Delta R.T. 0.05 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

Instrument :

BNA_E

ClientSampleId :

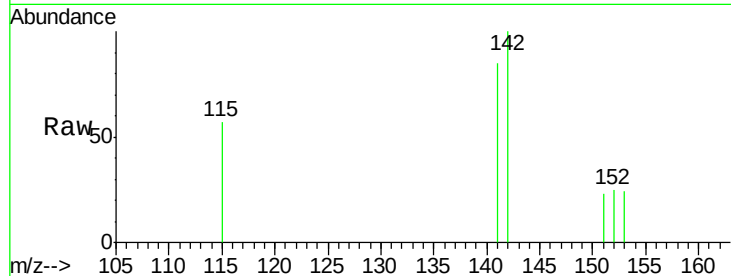
C0AP7DL2

Tgt Ion:142 Resp: 788

Ion Ratio Lower Upper

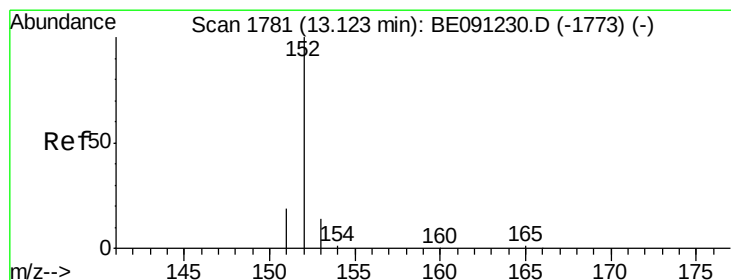
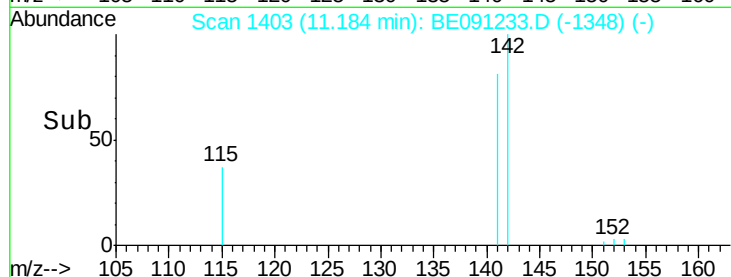
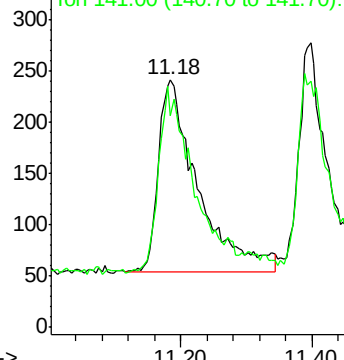
142 100

141 93.7 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: 0.02 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

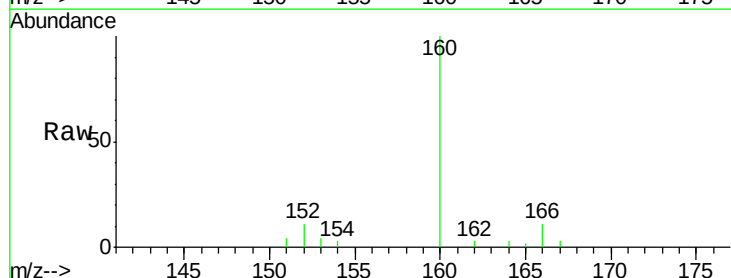
Tgt Ion:152 Resp: 470

Ion Ratio Lower Upper

152 100

151 41.2 16.8 25.2#

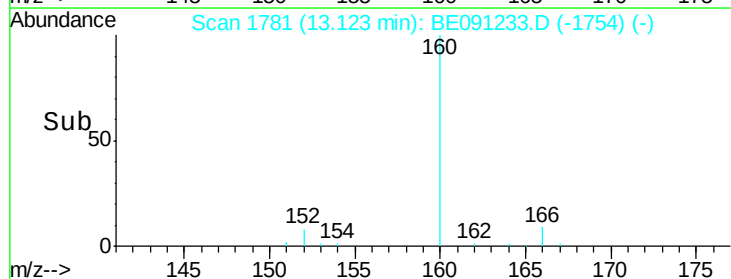
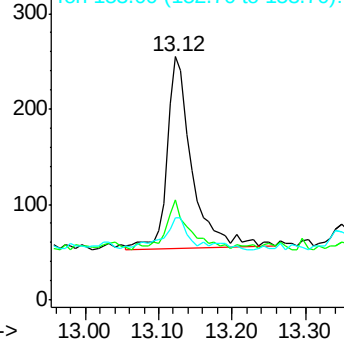
153 33.7 11.3 16.9#

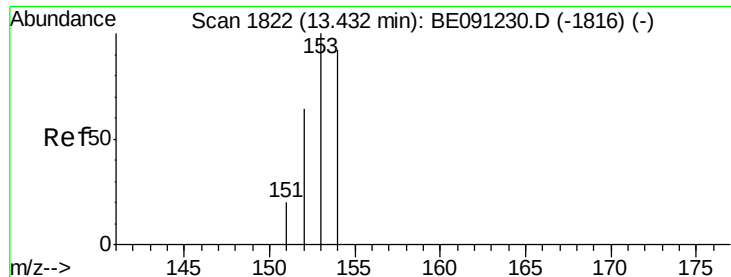


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.16 ng/ul

RT: 13.44 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

Instrument :

BNA_E

ClientSampleId :

C0AP7DL2

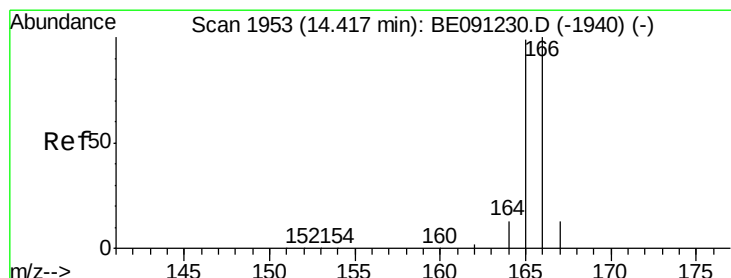
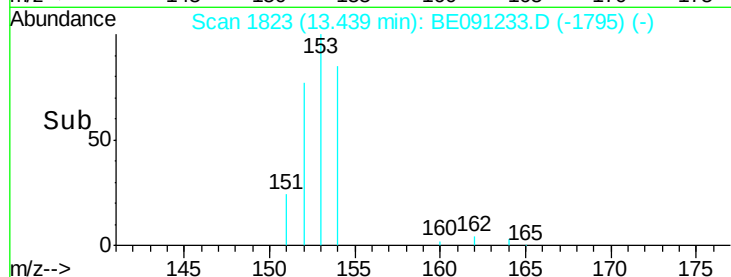
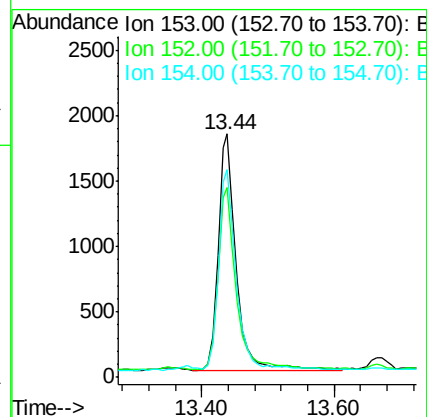
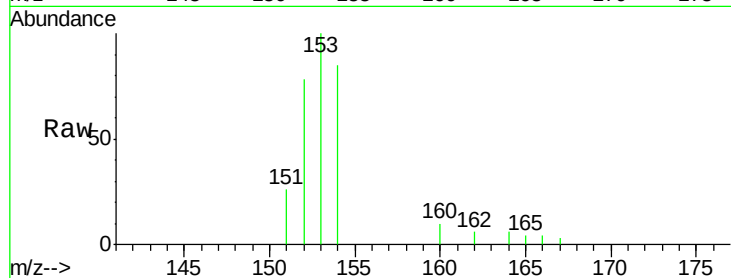
Tgt Ion:153 Resp: 3476

Ion Ratio Lower Upper

153 100

152 77.8 42.3 63.5#

154 85.4 64.7 97.1



#11

Fluorene

Concen: 0.17 ng/ul

RT: 14.42 min Scan# 1954

Delta R.T. 0.01 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

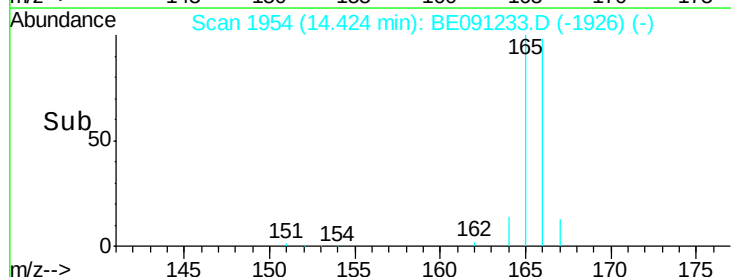
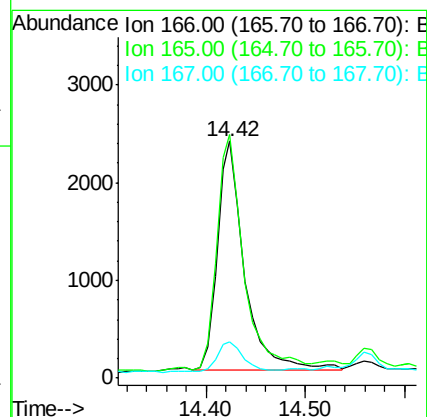
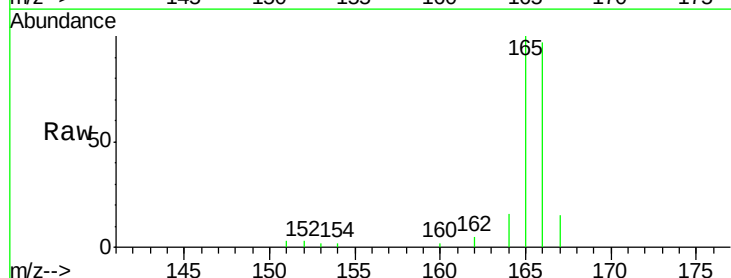
Tgt Ion:166 Resp: 4487

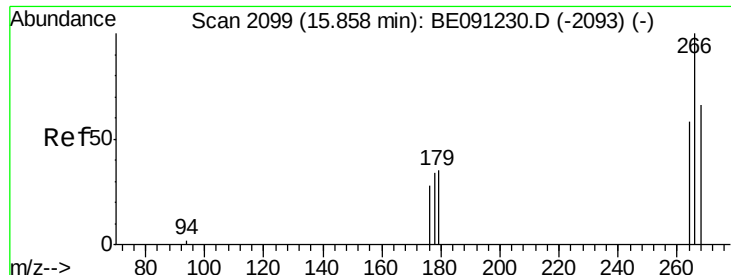
Ion Ratio Lower Upper

166 100

165 102.7 87.6 131.4

167 15.2 11.1 16.7

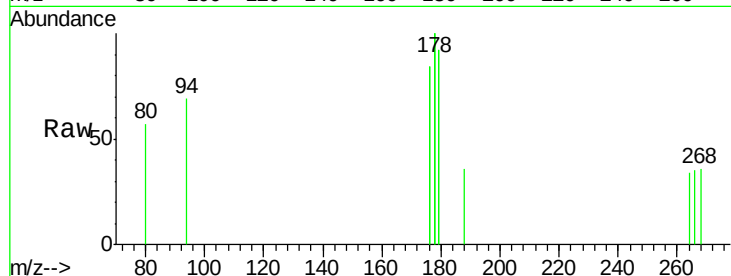




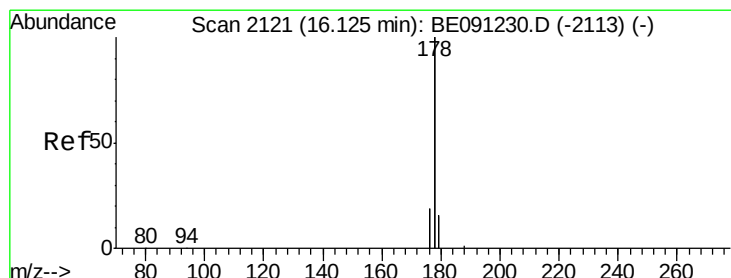
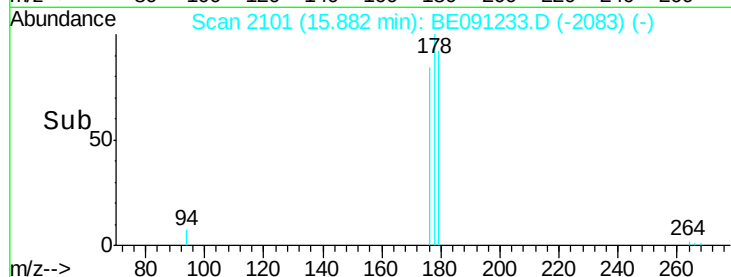
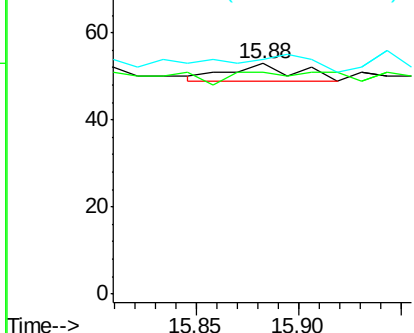
#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.88 min Scan# 2101
 Delta R.T. 0.02 min
 Lab File: BE091233.D
 Acq: 18 Nov 2015 18:22

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7DL2

Tgt Ion: 266 Resp: 9
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 166.7 54.2 81.2#

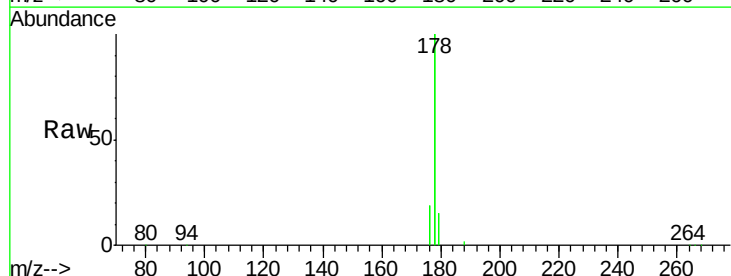


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

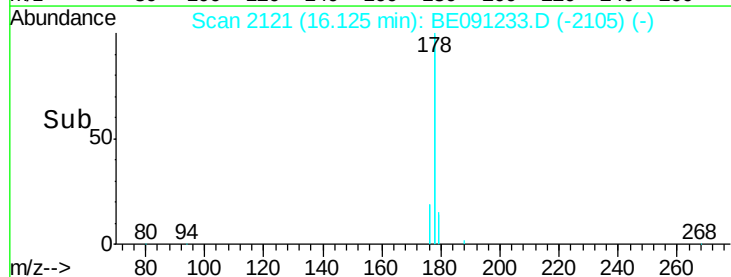
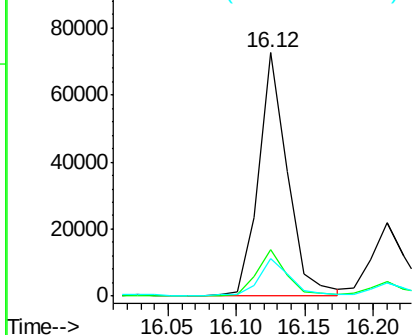


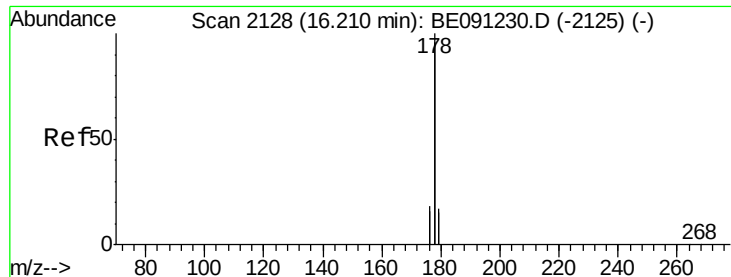
#14
 Phenanthrene
 Concen: 0.42 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. -0.00 min
 Lab File: BE091233.D
 Acq: 18 Nov 2015 18:22

Tgt Ion: 178 Resp: 105133
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 15.2 12.8 19.2



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





#15

Anthracene

Concen: 0.18 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

Instrument :

BNA_E

ClientSampleId :

C0AP7DL2

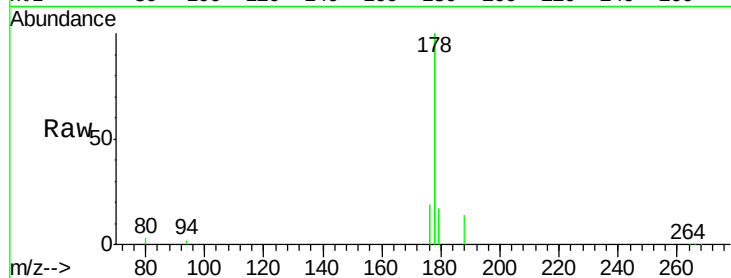
Tgt Ion:178 Resp: 39626

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

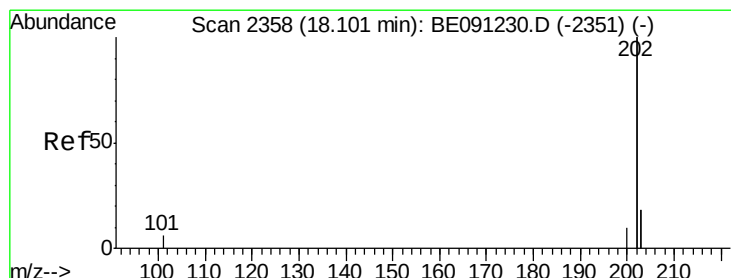
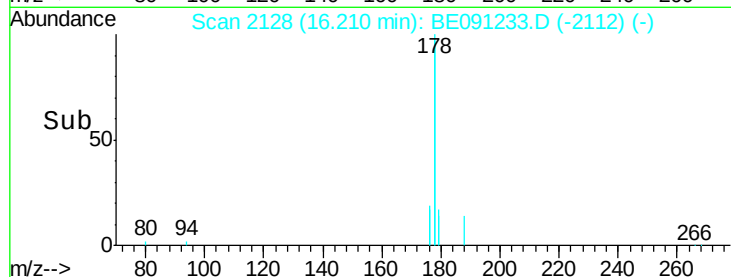
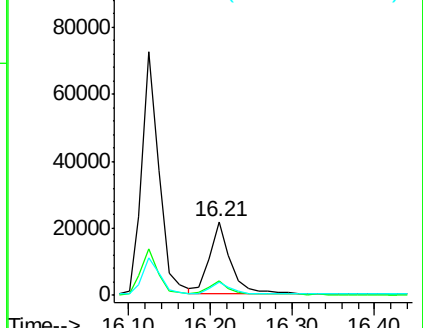
179 17.2 13.3 19.9



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: 0.25 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. 0.00 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

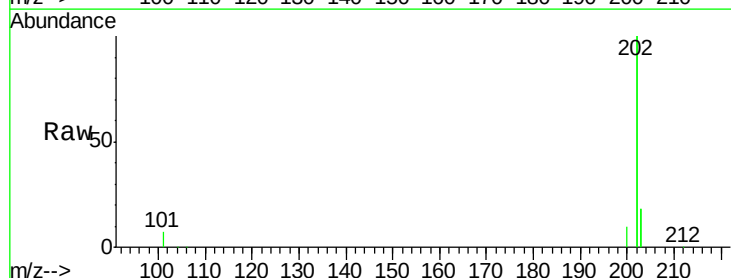
Tgt Ion:202 Resp: 73315

Ion Ratio Lower Upper

202 100

101 3.4 0.0 33.1

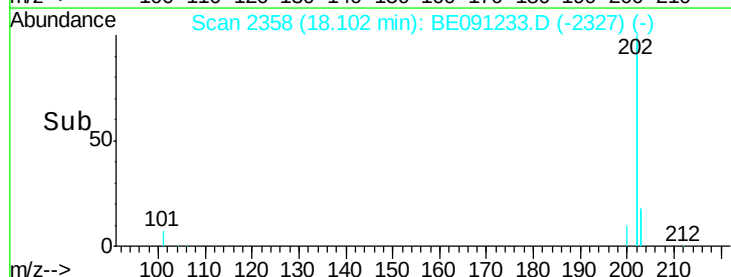
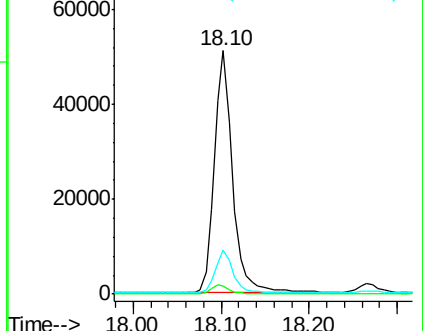
203 18.2 0.0 37.2

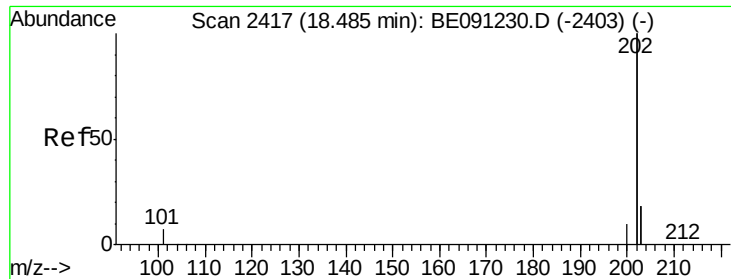


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.16 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

Instrument :

BNA_E

ClientSampleId :

C0AP7DL2

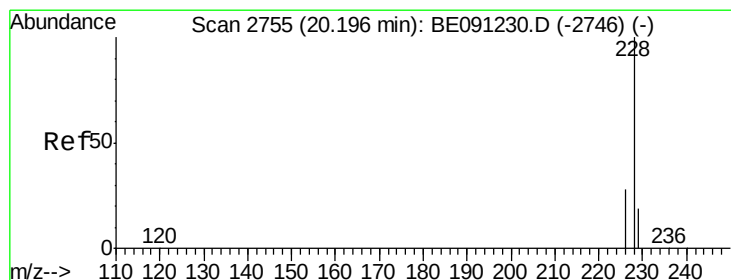
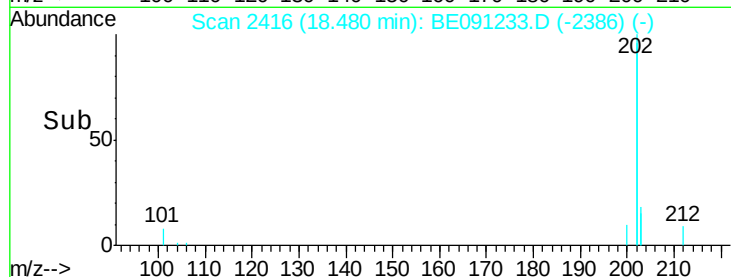
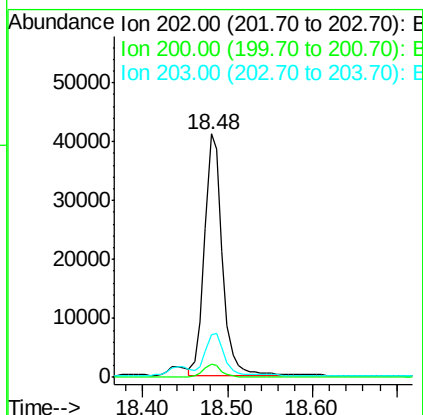
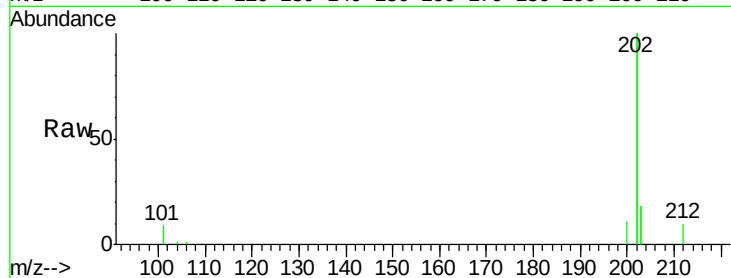
Tgt Ion:202 Resp: 60359

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

203 17.6 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

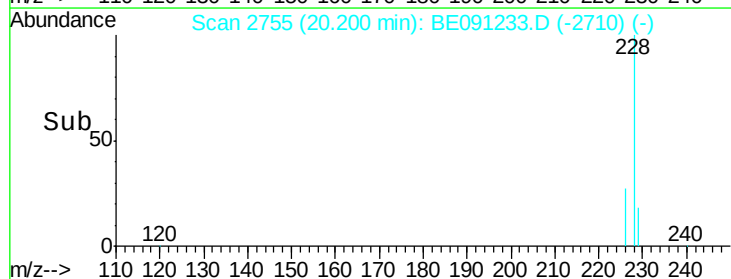
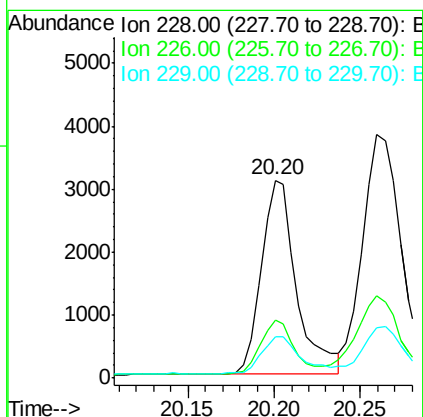
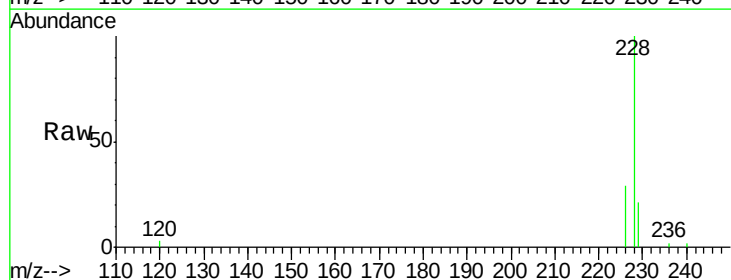
Tgt Ion:228 Resp: 4341

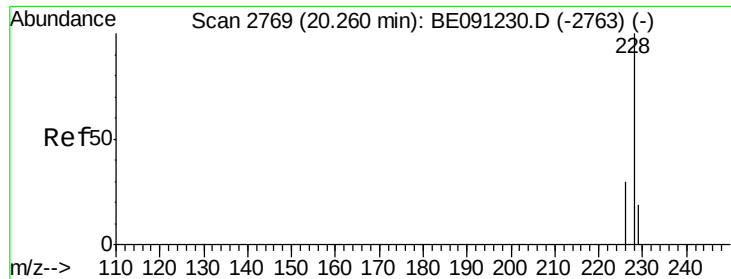
Ion Ratio Lower Upper

228 100

226 29.5 23.0 34.4

229 21.1 15.2 22.8





#21

Chrysene

Concen: 0.06 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

Instrument :

BNA_E

ClientSampleId :

C0AP7DL2

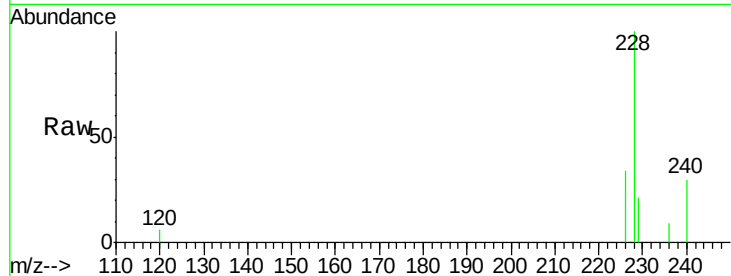
Tgt Ion:228 Resp: 6114

Ion Ratio Lower Upper

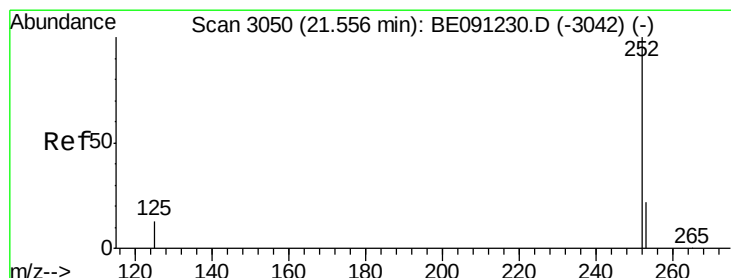
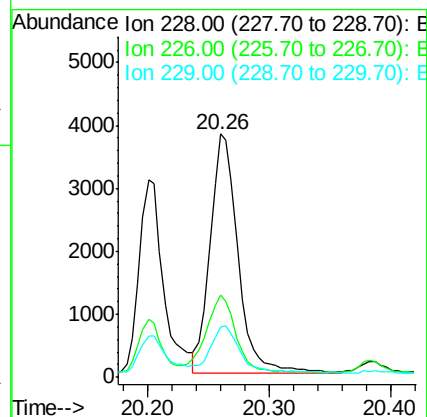
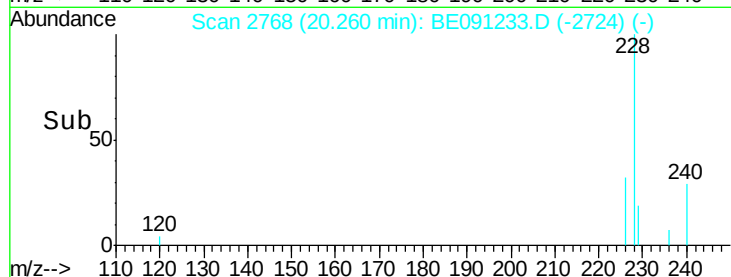
228 100

226 33.7 25.7 38.5

229 20.9 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: 0.03 ng/ul

RT: 21.56 min Scan# 3049

Delta R.T. 0.00 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

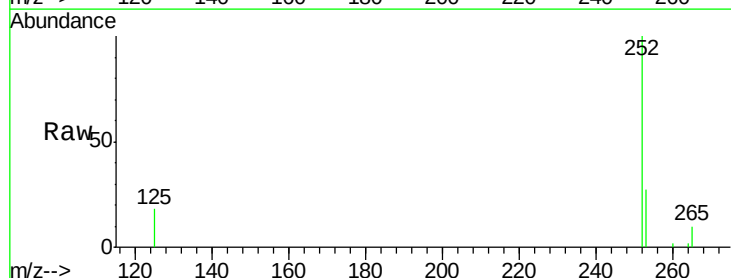
Tgt Ion:252 Resp: 3013

Ion Ratio Lower Upper

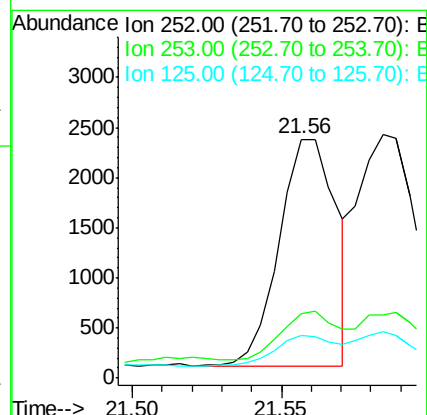
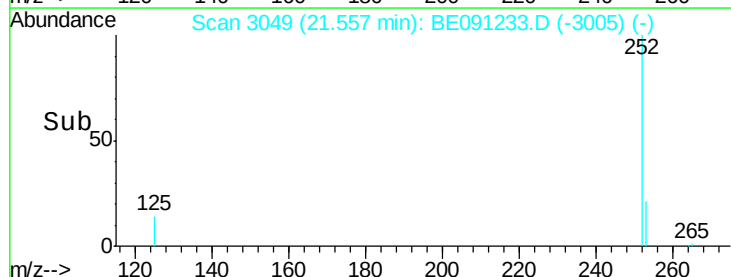
252 100

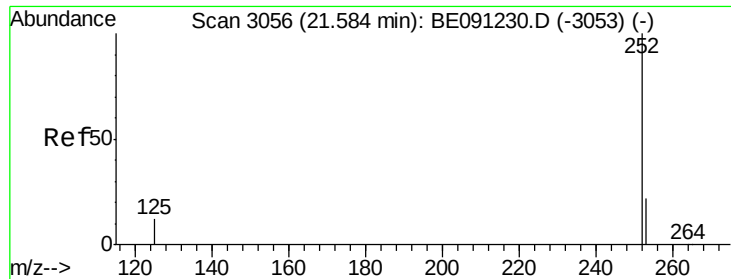
253 27.0 0.0 48.0

125 18.0 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: 0.03 ng/ul

RT: 21.56 min Scan# 3049

Delta R.T. -0.03 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

Instrument :

BNA_E

ClientSampleId :

C0AP7DL2

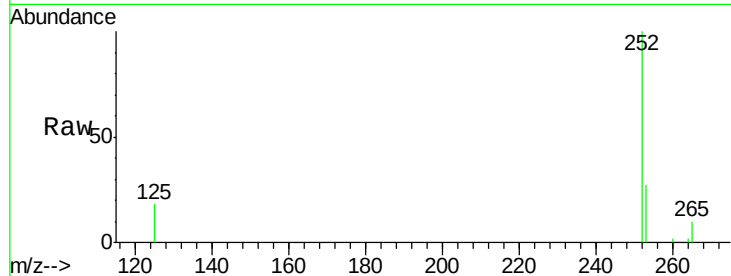
Tgt Ion:252 Resp: 3013

Ion Ratio Lower Upper

252 100

253 27.0 20.8 31.2

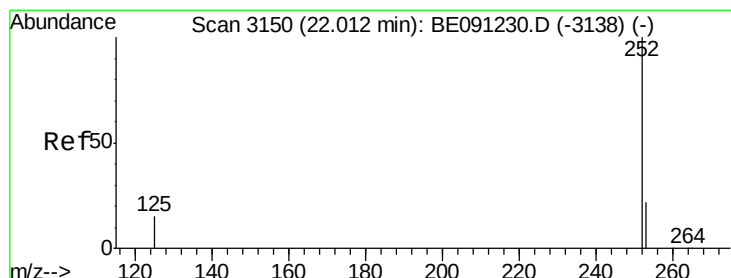
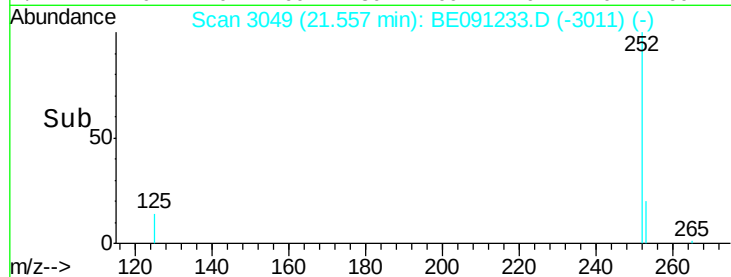
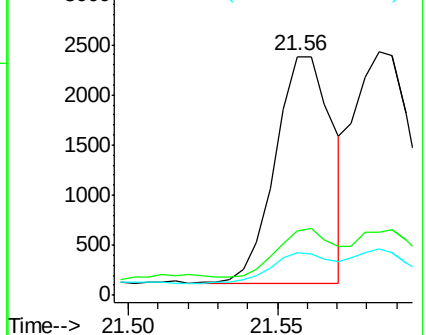
125 18.0 12.2 18.4



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: 0.05 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

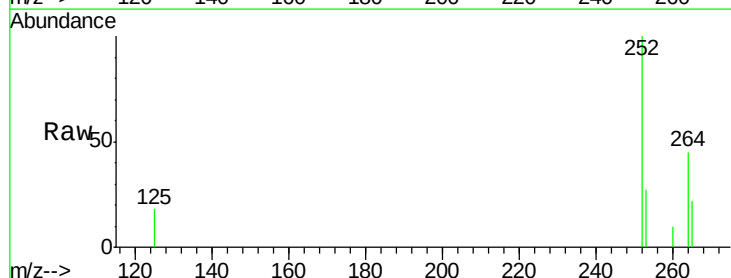
Tgt Ion:252 Resp: 3939

Ion Ratio Lower Upper

252 100

253 26.7 21.8 32.8

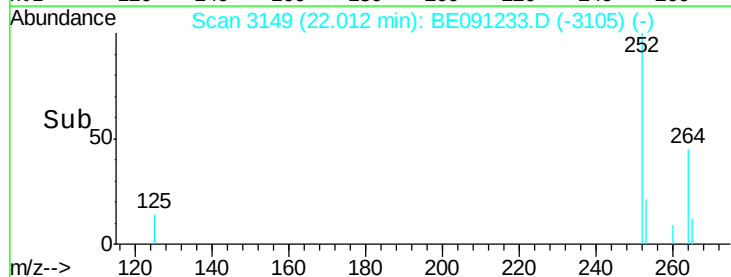
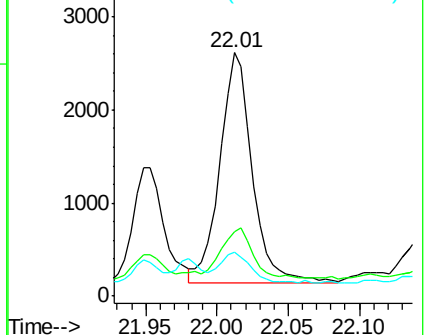
125 17.9 14.5 21.7

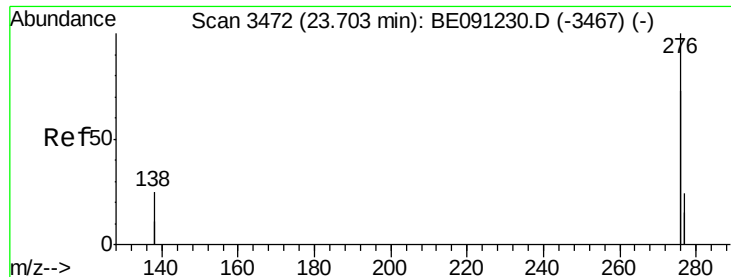


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.02 ng/ul

RT: 23.72 min Scan# 3473

Delta R.T. 0.01 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

Instrument :

BNA_E

ClientSampleId :

C0AP7DL2

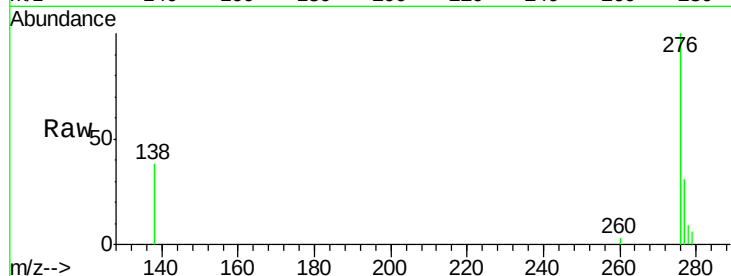
Tgt Ion:276 Resp: 6536

Ion Ratio Lower Upper

276 100

138 25.6 27.5 41.3#

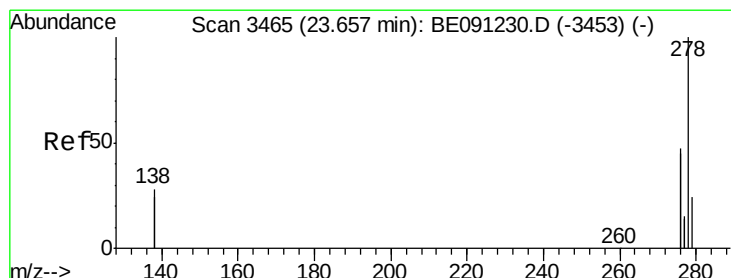
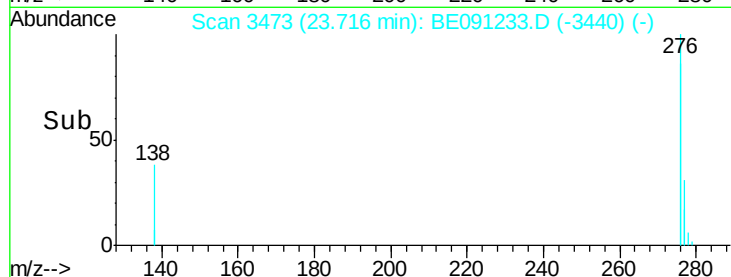
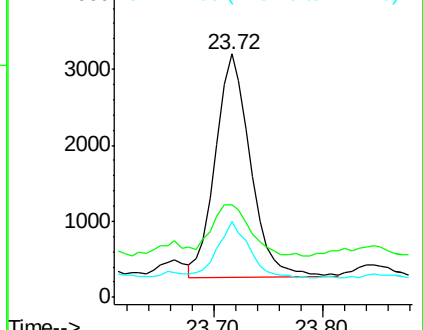
277 24.6 19.3 28.9



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: 0.01 ng/ul

RT: 23.66 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BE091233.D

Acq: 18 Nov 2015 18:22

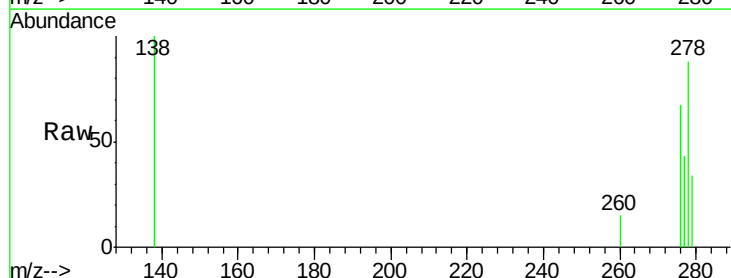
Tgt Ion:278 Resp: 640

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

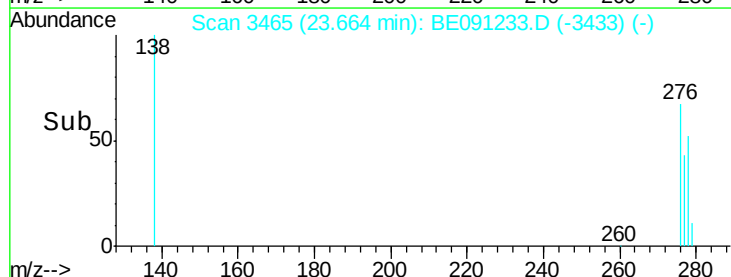
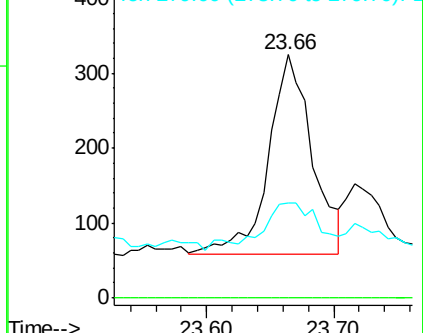
279 39.1 21.9 32.9#

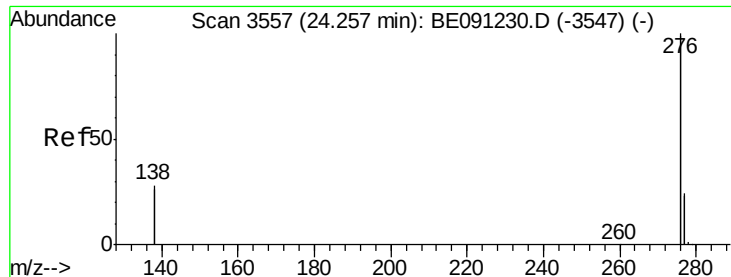


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.02 ng/ul

RT: 24.27 min Scan# 3558

Delta R.T. 0.01 min

Lab File: BE091233.D

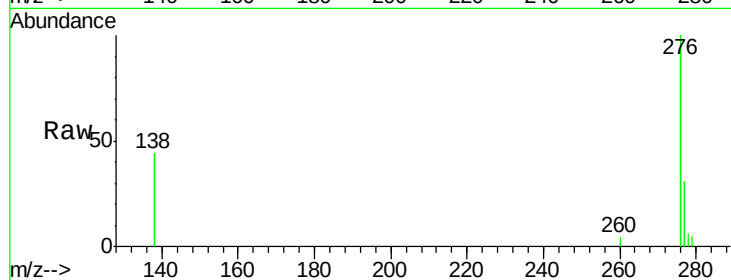
Acq: 18 Nov 2015 18:22

Instrument :

BNA_E

ClientSampleId :

C0AP7DL2



Tgt Ion: 276 Resp: 6336

Ion Ratio Lower Upper

276 100

277 31.0 21.3 31.9

138 44.5 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

