

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091088.D
 Acq On : 6 Nov 2015 13:34
 Operator : UM/NP
 Sample : G4273-08DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP4DL

Quant Time: Nov 09 05:54:02 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

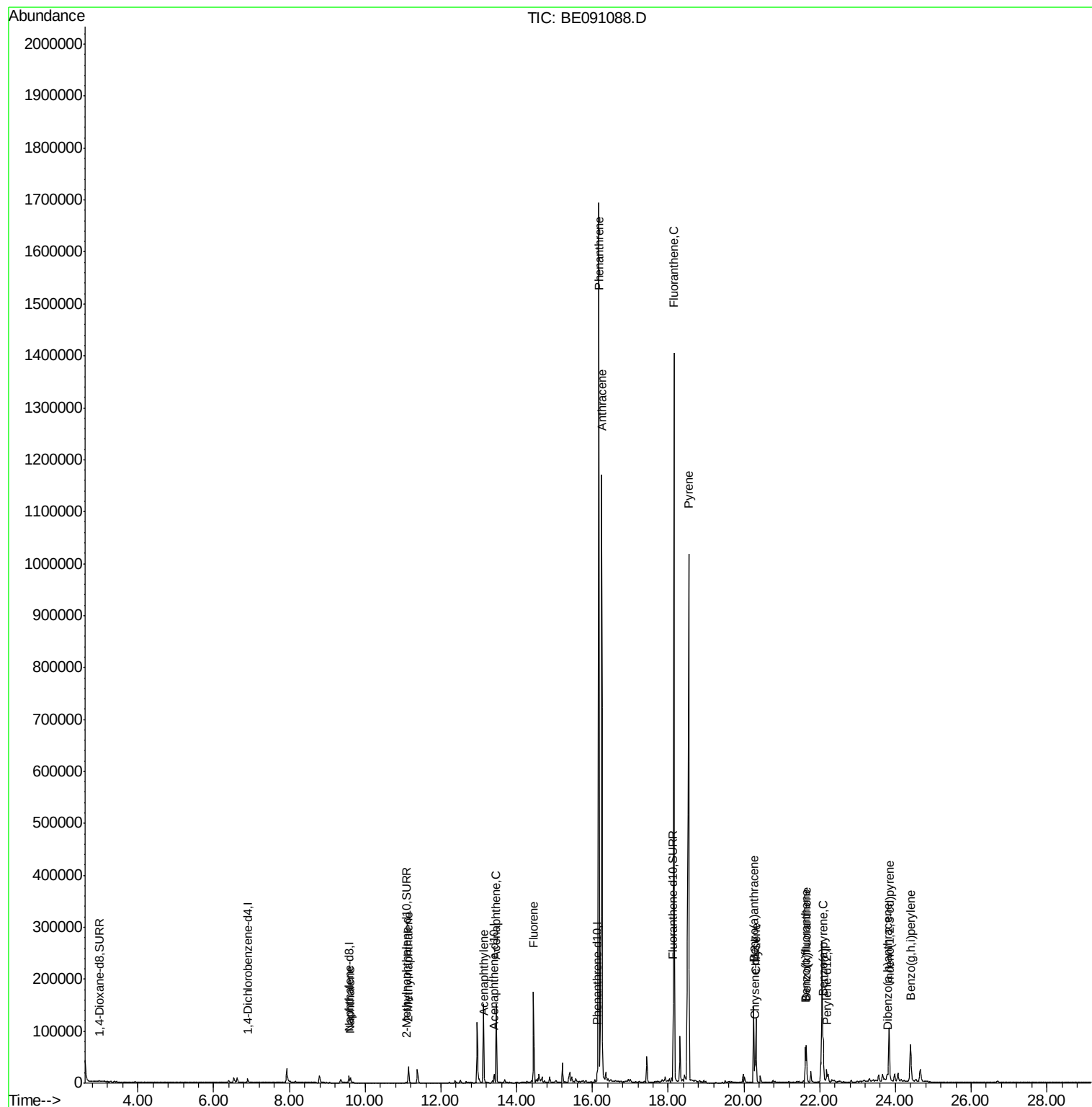
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	2999	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	16502	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	9325	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	23197	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	25538	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	26062	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.97	96	3087	1.43	ng/uL	0.02
6) 2-Methylnaphthalene-d10	11.08	152	1099	0.05	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	3339	0.05	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.62	128	12122	0.30	ng/ul	100
7) 2-Methylnaphthalene	11.14	142	23192	0.87	ng/ul	98
9) Acenaphthylene	13.15	152	8323	0.18	ng/ul	97
10) Acenaphthene	13.46	153	82594	2.59	ng/ul	92
11) Fluorene	14.45	166	106628	2.60	ng/ul	93
14) Phenanthrene	16.17	178	1822778	6.80	ng/ul	96
15) Anthracene	16.25	178	1196176	4.91	ng/ul	97
17) Fluoranthene	18.15	202	1475639	4.71	ng/ul	88
19) Pyrene	18.54	202	1046836	3.61	ng/ul#	77
20) Benzo(a)anthracene	20.26	228	113448	1.73	ng/ul	97
21) Chrysene	20.32	228	113640	1.50	ng/ul	96
23) Benzo(b)fluoranthene	21.62	252	64078	0.79	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	72790	0.87	ng/ul	95
25) Benzo(a)pyrene	22.09	252	77664	1.04	ng/ul	91
26) Indeno(1,2,3-cd)pyrene	23.84	276	152445	0.48	ng/ul#	87
27) Dibenzo(a,h)anthracene	23.79	278	11110	0.15	ng/ul#	73
28) Benzo(g,h,i)perylene	24.40	276	115301	0.35	ng/ul	94

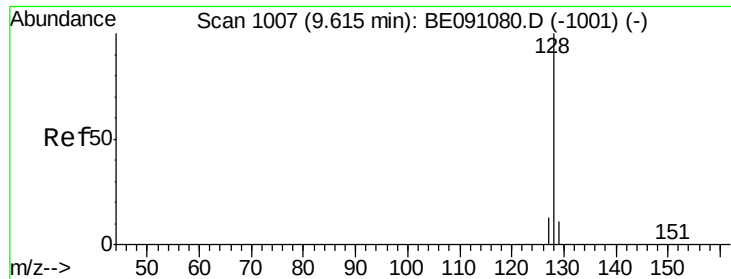
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.30 ng/ul

RT: 9.62 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

Instrument :

BNA_E

ClientSampleId :

C0AP4DL

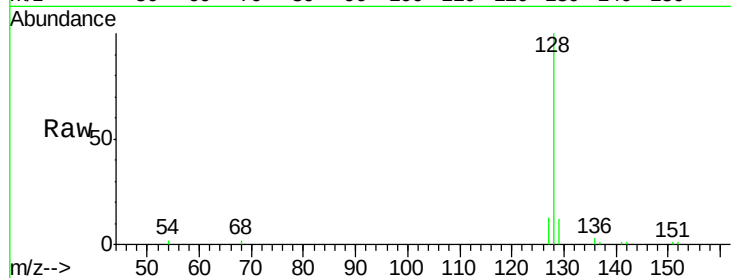
Tgt Ion:128 Resp: 12122

Ion Ratio Lower Upper

128 100

129 12.1 9.8 14.8

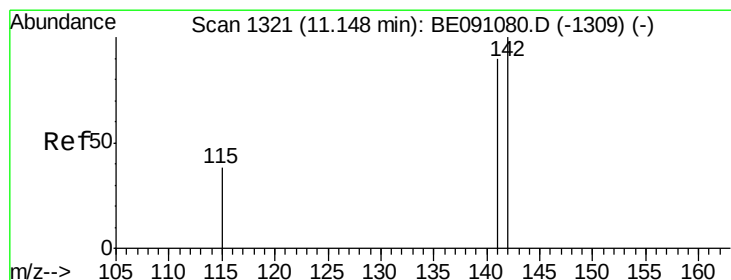
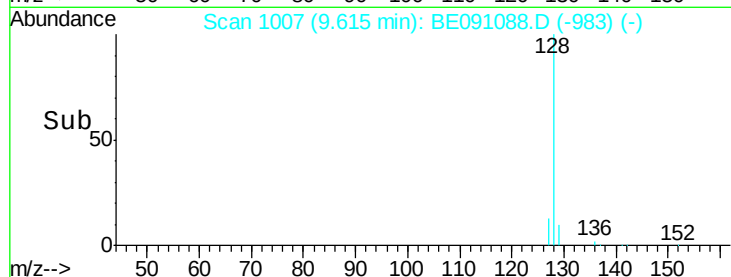
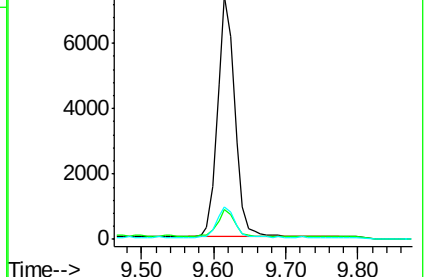
127 13.4 10.7 16.1



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: 0.87 ng/ul

RT: 11.14 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BE091088.D

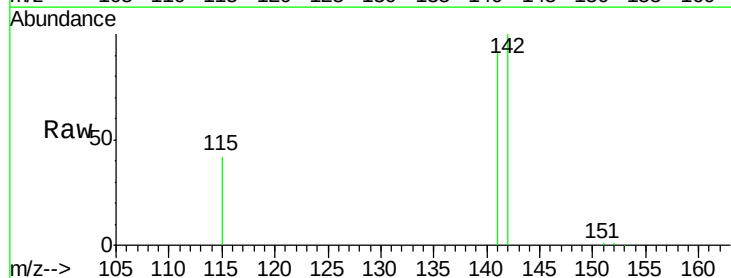
Acq: 6 Nov 2015 13:34

Tgt Ion:142 Resp: 23192

Ion Ratio Lower Upper

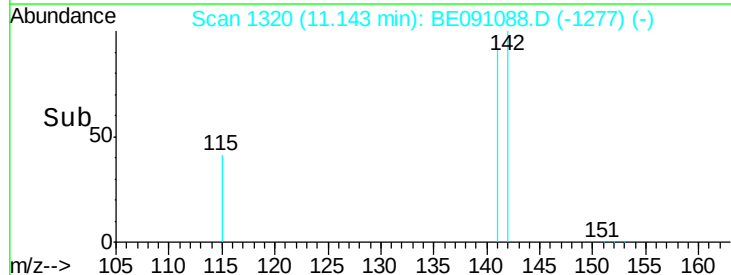
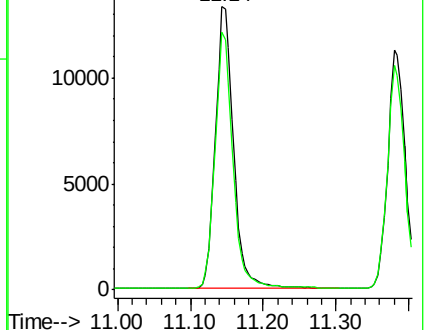
142 100

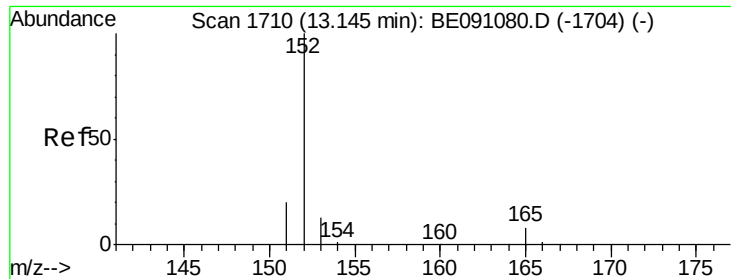
141 89.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.18 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

Instrument :

BNA_E

ClientSampleId :

C0AP4DL

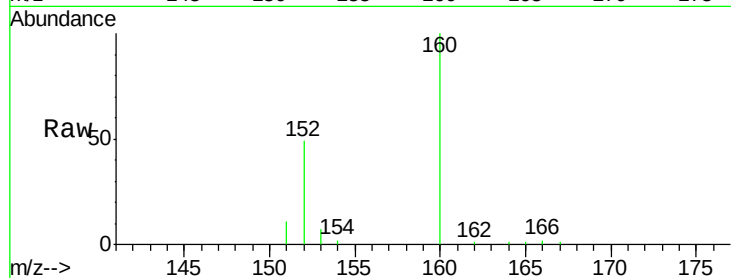
Tgt Ion:152 Resp: 8323

Ion Ratio Lower Upper

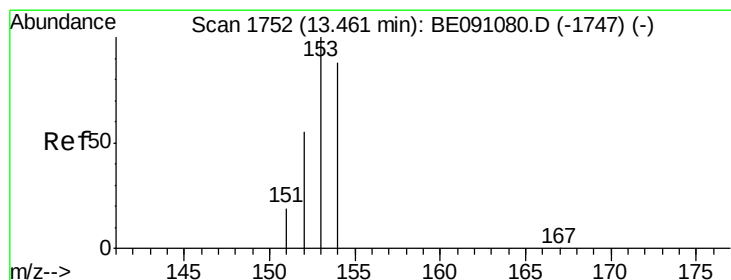
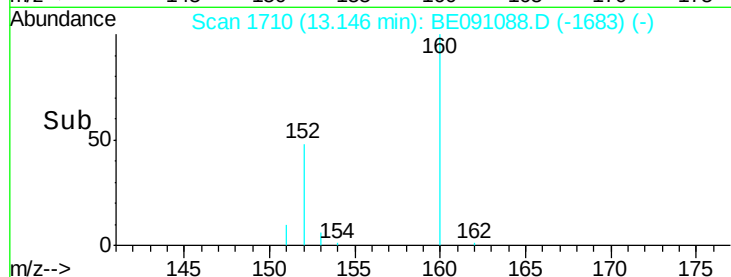
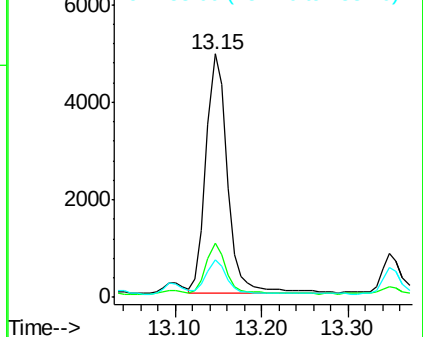
152 100

151 22.3 16.8 25.2

153 15.2 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: 2.59 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

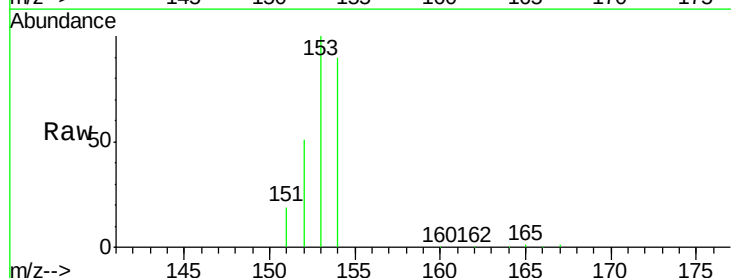
Tgt Ion:153 Resp: 82594

Ion Ratio Lower Upper

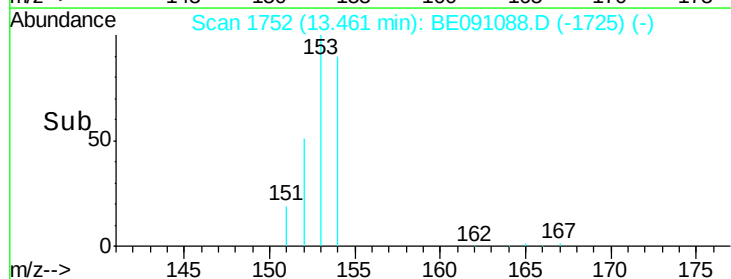
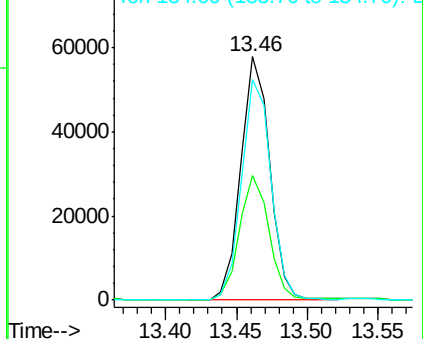
153 100

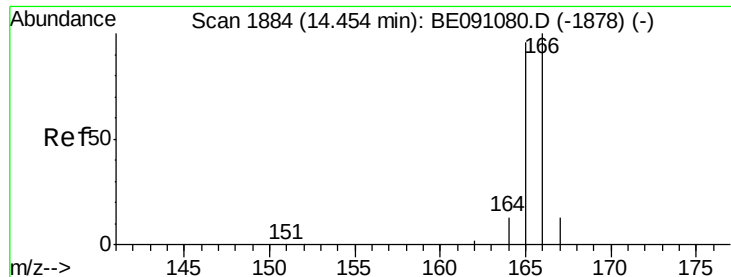
152 51.1 42.3 63.5

154 90.4 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: 2.60 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

Instrument :

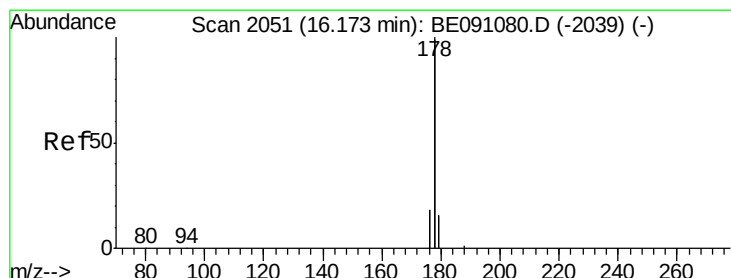
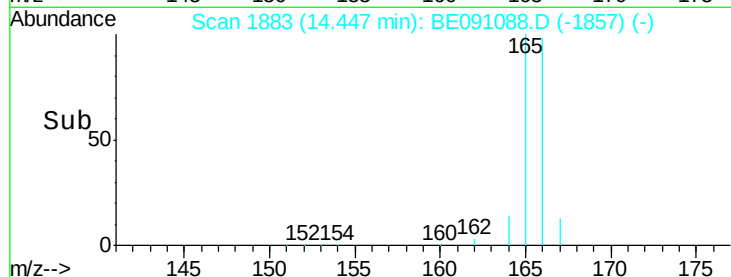
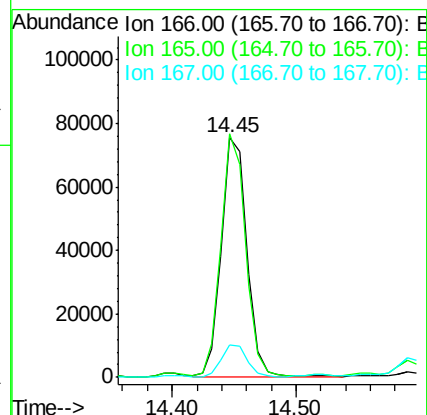
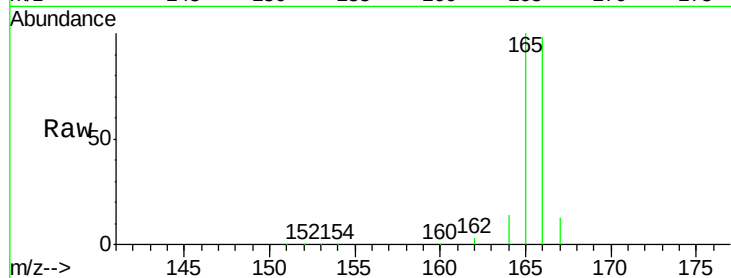
BNA_E

ClientSampleId :

C0AP4DL

Tgt Ion:166 Resp: 106628

Ion	Ratio	Lower	Upper
166	100		
165	101.8	87.6	131.4
167	13.4	11.1	16.7



#14

Phenanthrene

Concen: 6.80 ng/ul

RT: 16.17 min Scan# 2051

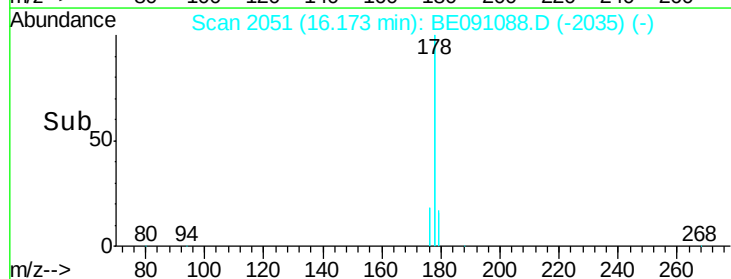
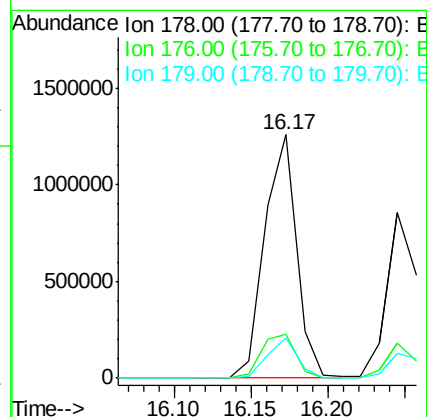
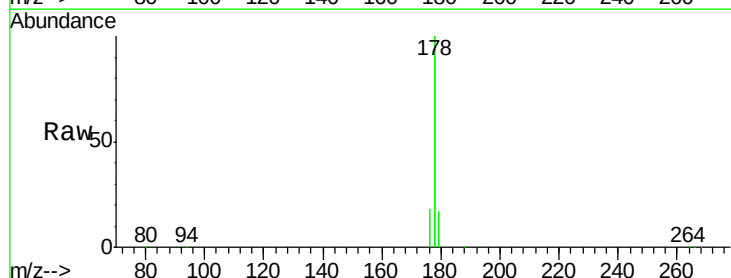
Delta R.T. -0.00 min

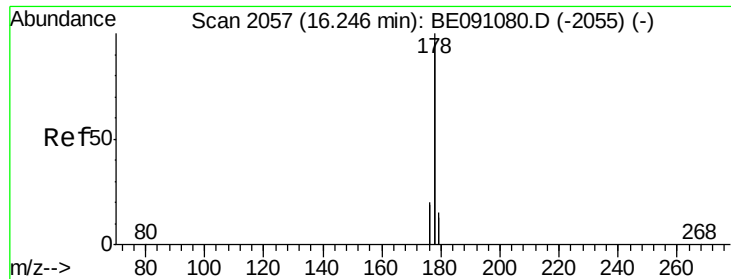
Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

Tgt Ion:178 Resp: 1822778

Ion	Ratio	Lower	Upper
178	100		
176	17.9	16.2	24.4
179	16.6	12.8	19.2





#15

Anthracene

Concen: 4.91 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

Instrument :

BNA_E

ClientSampleId :

C0AP4DL

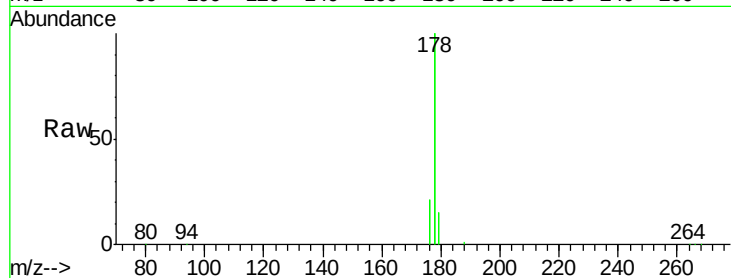
Tgt Ion:178 Resp: 1196176

Ion Ratio Lower Upper

178 100

176 20.7 15.8 23.8

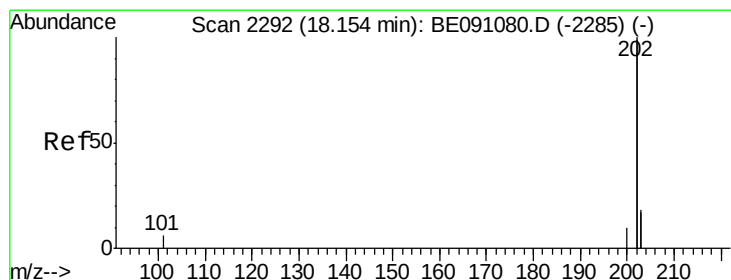
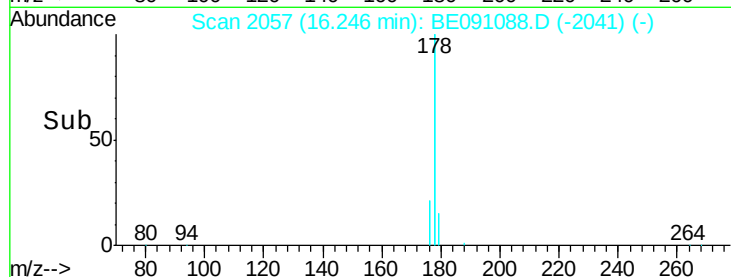
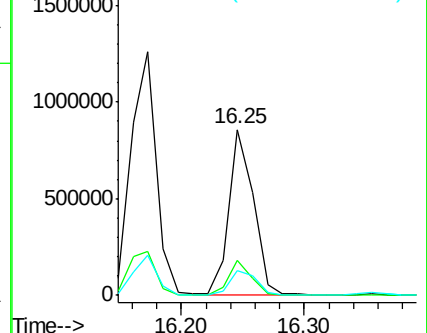
179 15.2 13.3 19.9



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: 4.71 ng/ul

RT: 18.15 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

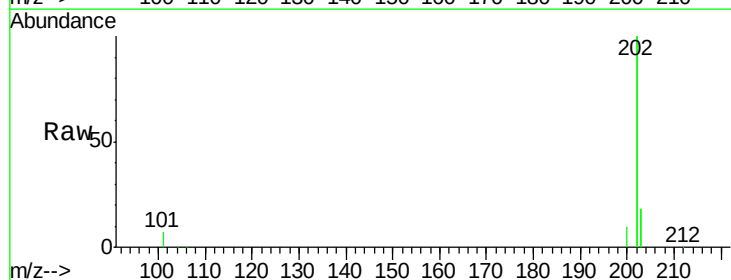
Tgt Ion:202 Resp: 1475639

Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

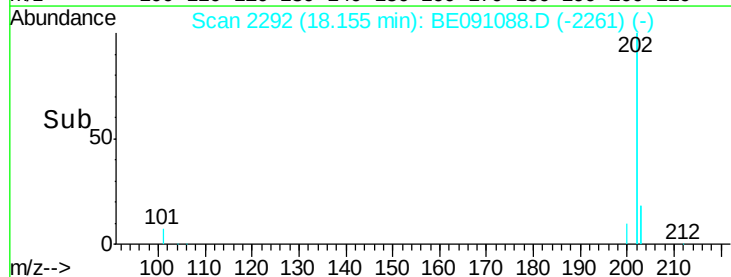
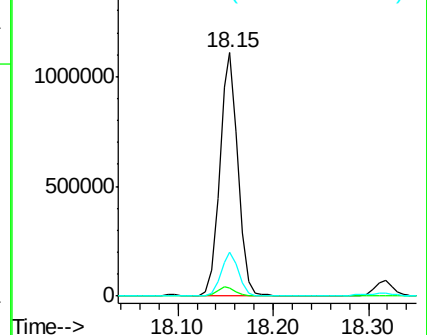
203 18.3 0.0 37.2

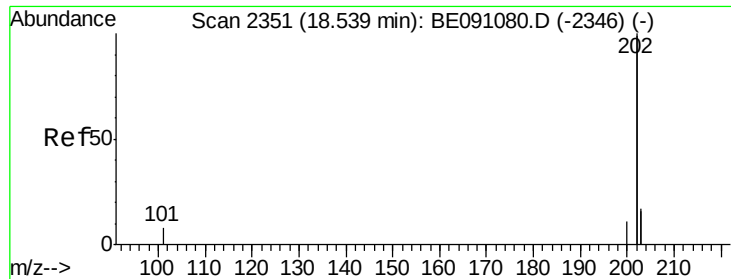


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 3.61 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. 0.00 min

Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

Instrument :

BNA_E

ClientSampleId :

C0AP4DL

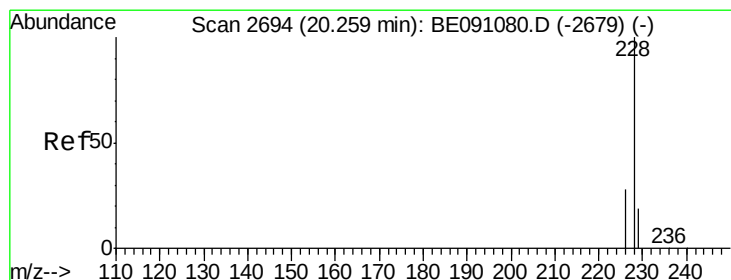
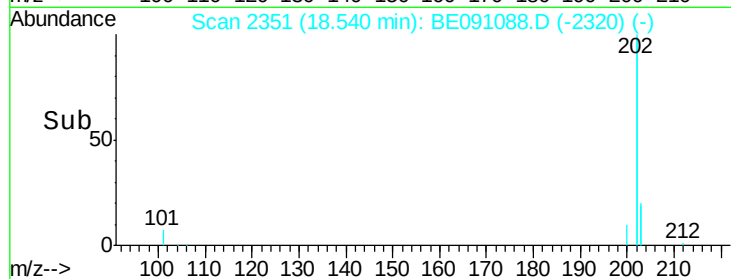
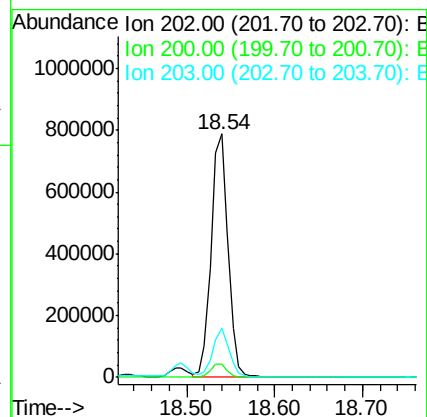
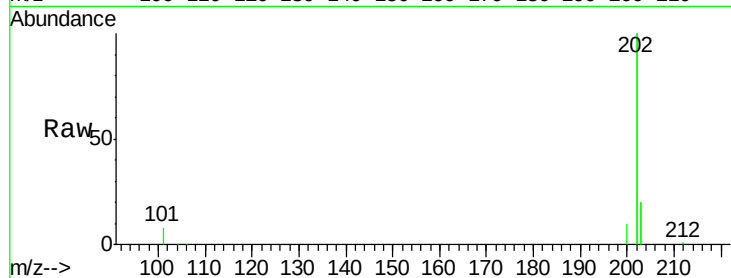
Tgt Ion:202 Resp: 1046836

Ion Ratio Lower Upper

202 100

200 5.2 18.0 27.0#

203 20.0 13.8 20.6



#20

Benzo(a)anthracene

Concen: 1.73 ng/ul

RT: 20.26 min Scan# 2694

Delta R.T. 0.00 min

Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

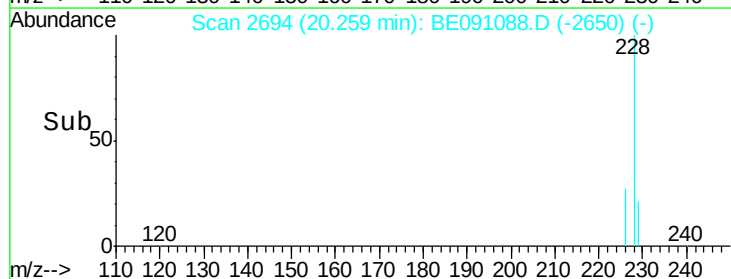
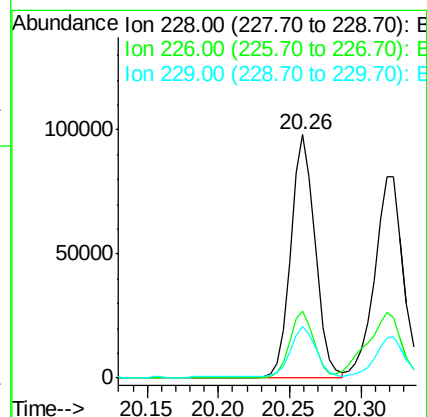
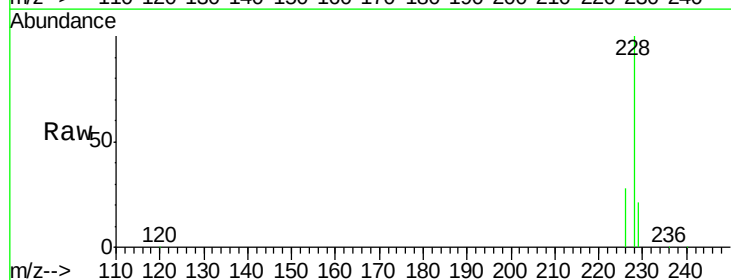
Tgt Ion:228 Resp: 113448

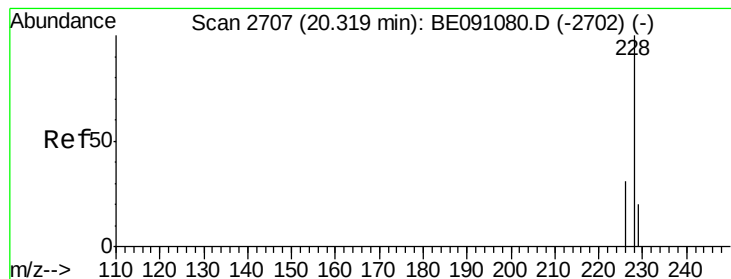
Ion Ratio Lower Upper

228 100

226 27.6 23.0 34.4

229 21.2 15.2 22.8





#21

Chrysene

Concen: 1.50 ng/ul

RT: 20.32 min Scan# 2708

Delta R.T. 0.00 min

Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

Instrument :

BNA_E

ClientSampleId :

C0AP4DL

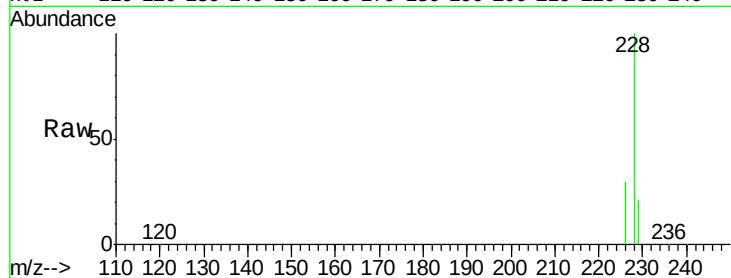
Tgt Ion:228 Resp: 113640

Ion Ratio Lower Upper

228 100

226 30.0 25.7 38.5

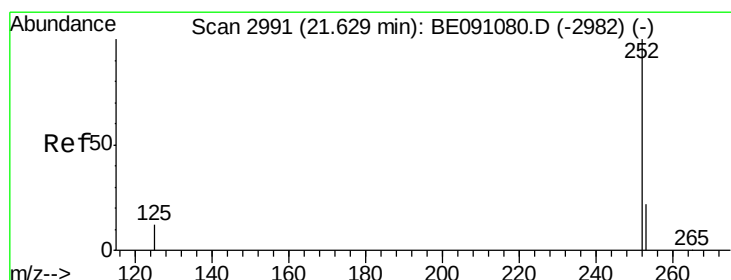
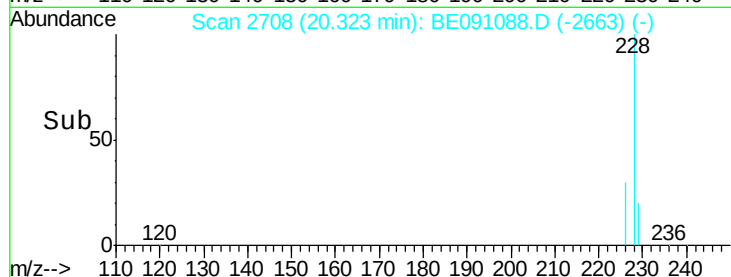
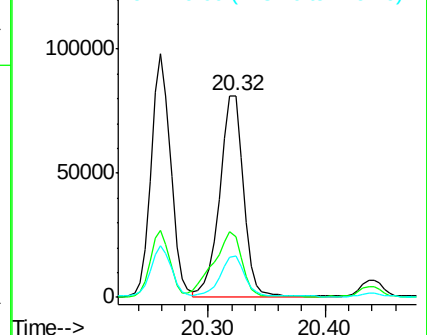
229 20.6 15.2 22.8



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: 0.79 ng/ul

RT: 21.62 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

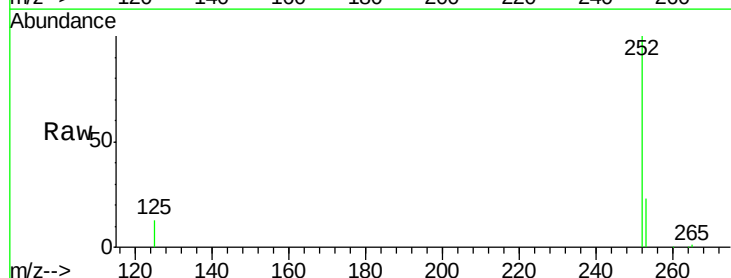
Tgt Ion:252 Resp: 64078

Ion Ratio Lower Upper

252 100

253 23.3 0.0 48.0

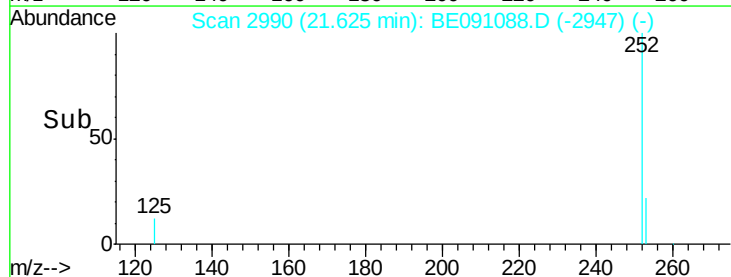
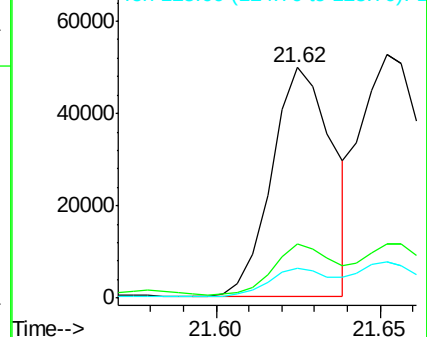
125 13.1 0.0 36.6

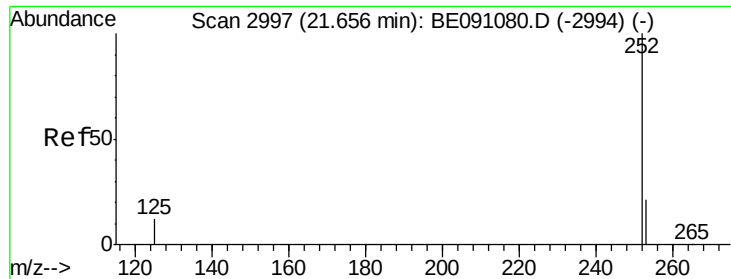


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.87 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

Instrument :

BNA_E

ClientSampleId :

C0AP4DL

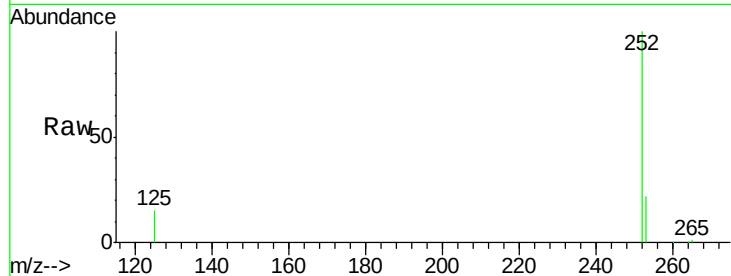
Tgt Ion:252 Resp: 72790

Ion Ratio Lower Upper

252 100

253 22.3 20.8 31.2

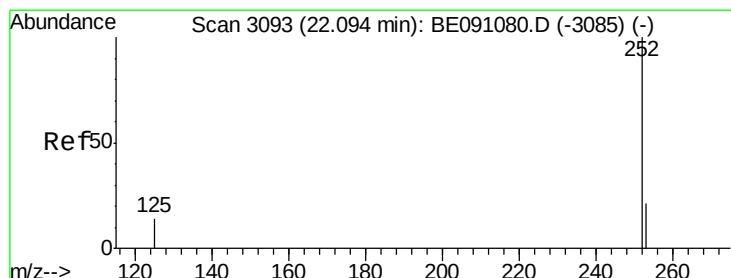
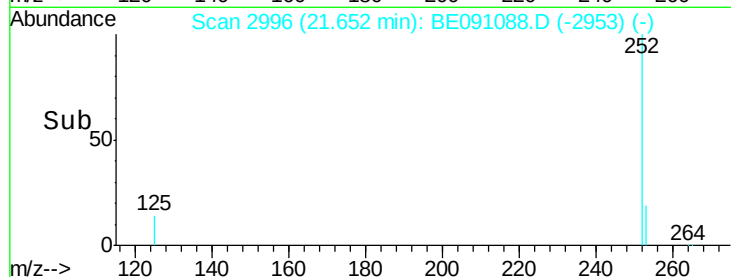
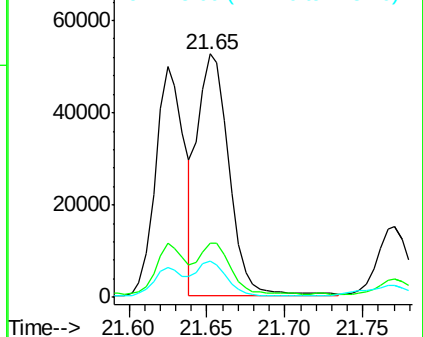
125 14.9 12.2 18.4



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: 1.04 ng/ul

RT: 22.09 min Scan# 3093

Delta R.T. 0.00 min

Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

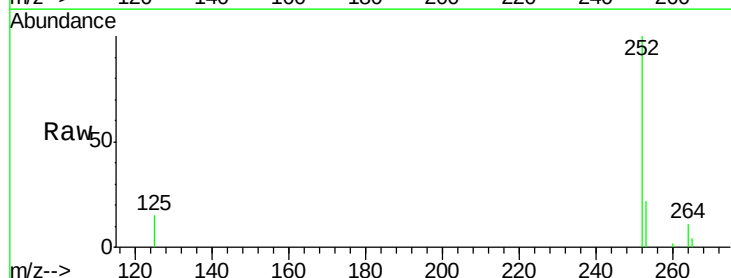
Tgt Ion:252 Resp: 77664

Ion Ratio Lower Upper

252 100

253 22.3 21.8 32.8

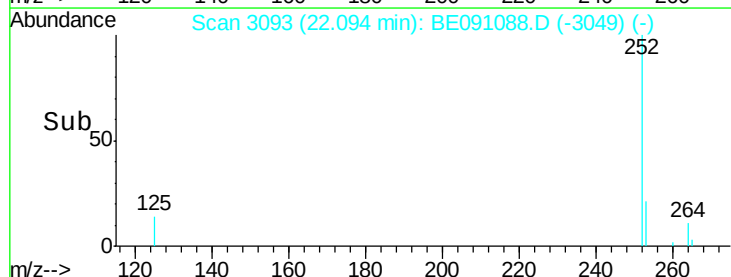
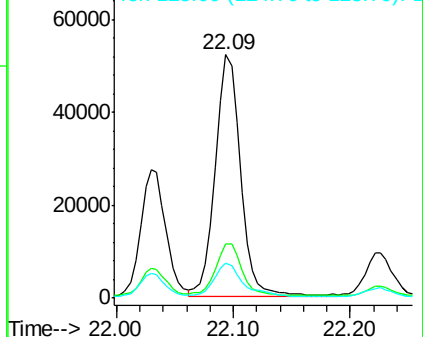
125 14.6 14.5 21.7

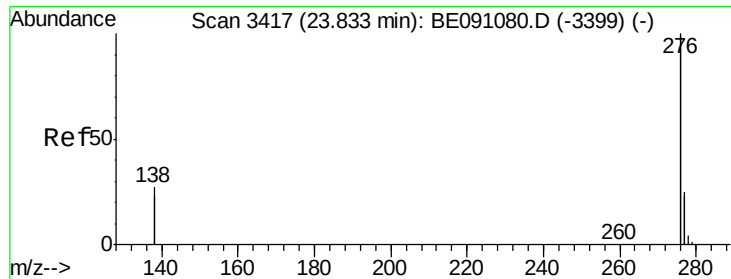


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.48 ng/ul

RT: 23.84 min Scan# 3418

Delta R.T. 0.01 min

Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

Instrument :

BNA_E

ClientSampleId :

C0AP4DL

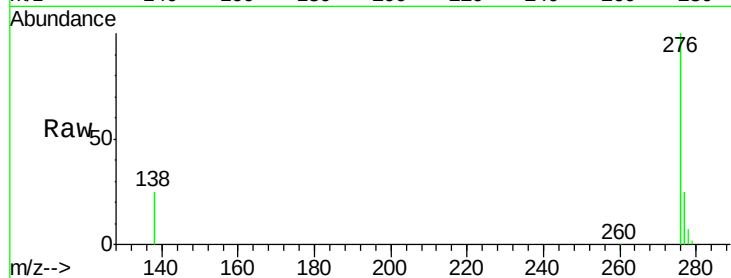
Tgt Ion:276 Resp: 152445

Ion Ratio Lower Upper

276 100

138 22.6 27.5 41.3#

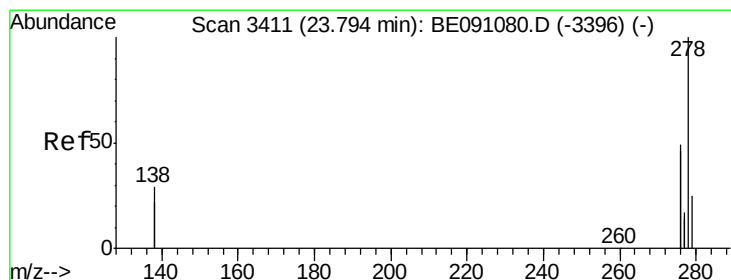
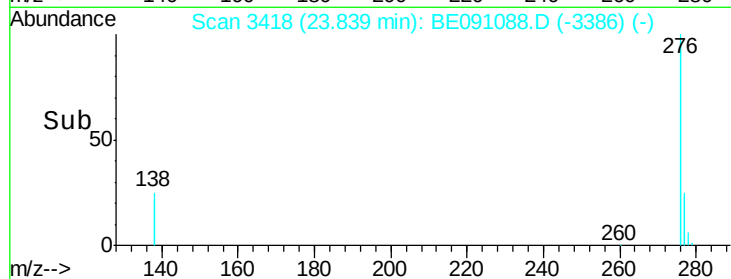
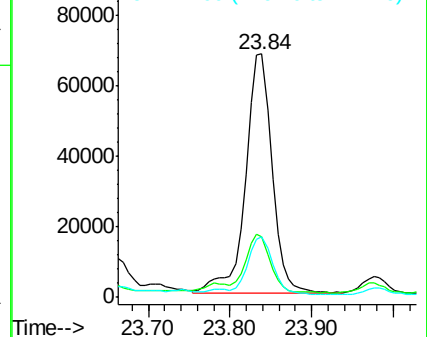
277 24.7 19.3 28.9



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: 0.15 ng/ul

RT: 23.79 min Scan# 3410

Delta R.T. -0.01 min

Lab File: BE091088.D

Acq: 6 Nov 2015 13:34

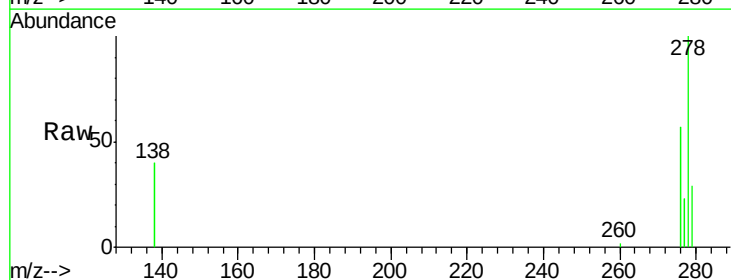
Tgt Ion:278 Resp: 11110

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

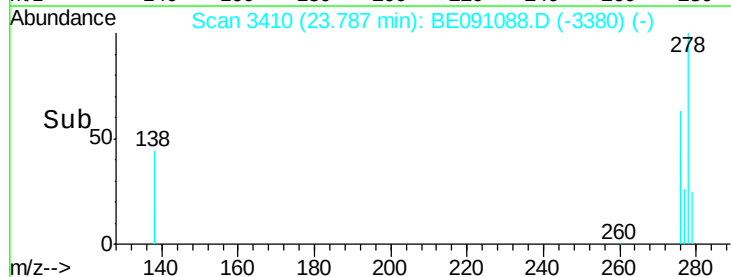
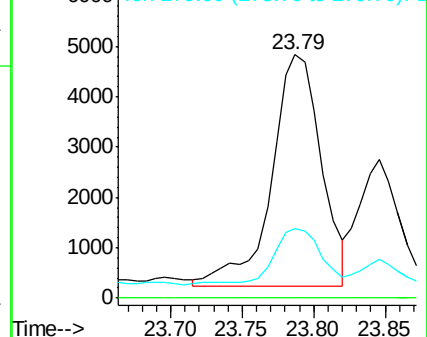
279 28.8 21.9 32.9

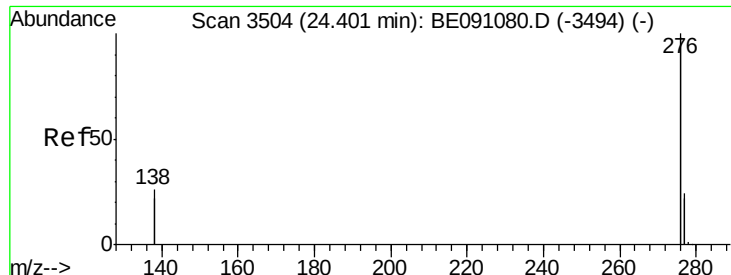


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.35 ng/ul

RT: 24.40 min Scan# 3504

Delta R.T. -0.00 min

Lab File: BE091088.D

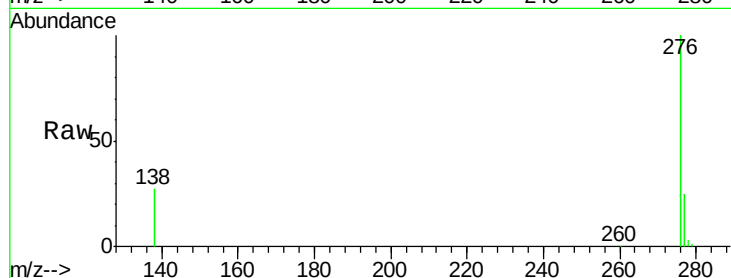
Acq: 6 Nov 2015 13:34

Instrument :

BNA_E

ClientSampleId :

C0AP4DL



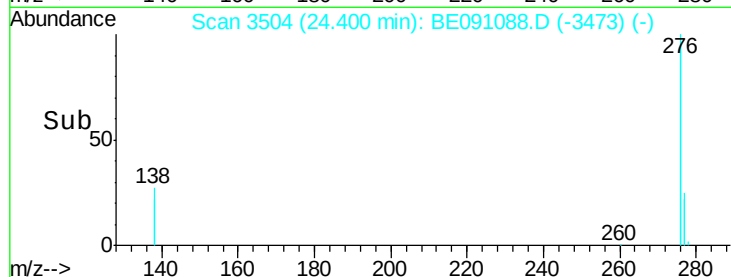
Tgt Ion: 276 Resp: 115301

Ion Ratio Lower Upper

276 100

277 25.0 21.3 31.9

138 26.8 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

