

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091091.D
 Acq On : 6 Nov 2015 15:24
 Operator : UM/NP
 Sample : G4273-11DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7DL

Quant Time: Nov 09 05:54:54 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

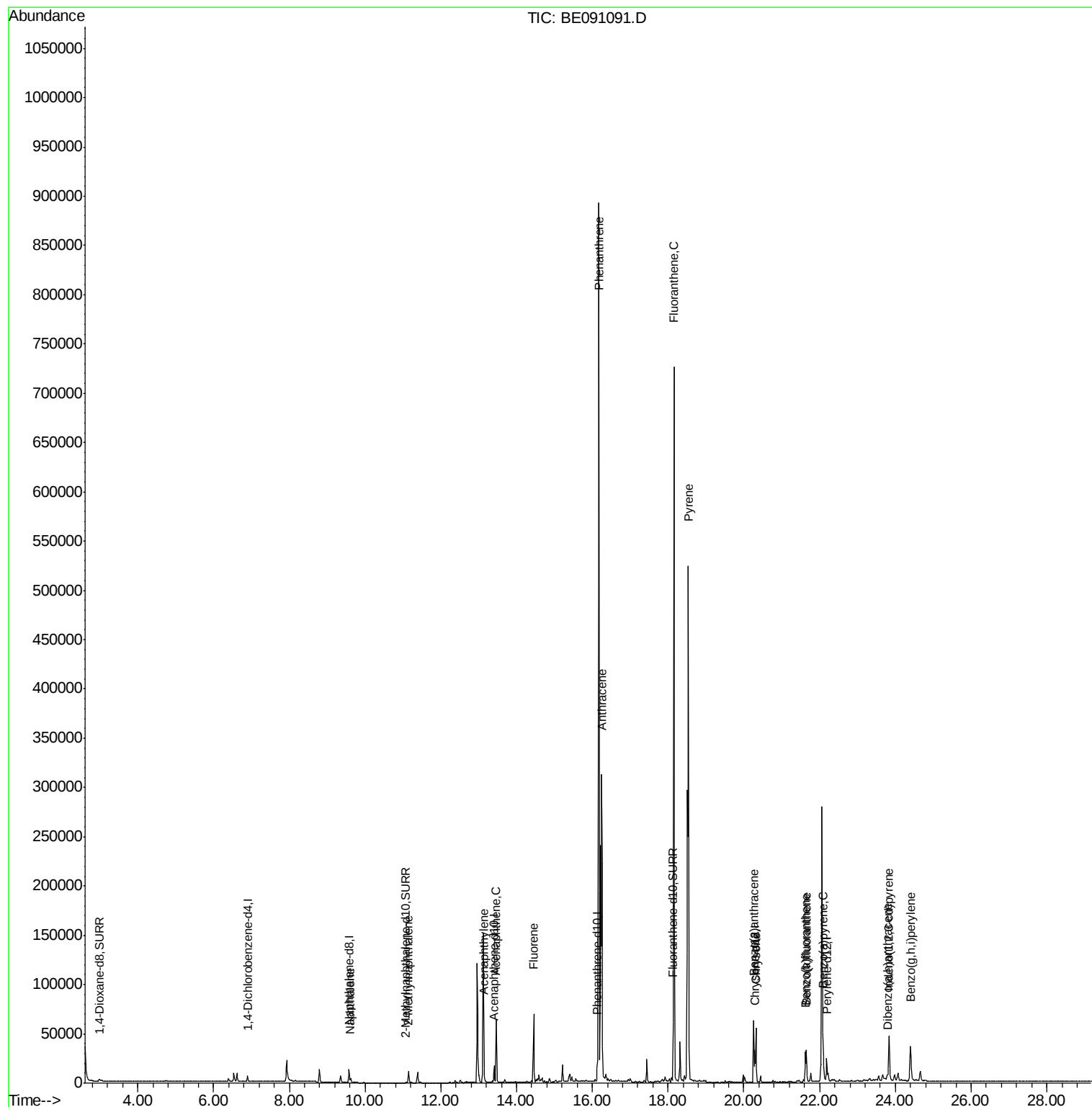
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	3011	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	16540	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	9611	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	22914	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	24713	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	25222	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.97	96	2827	1.31	ng/uL	0.02
6) 2-Methylnaphthalene-d10	11.07	152	1069	0.05	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	3130	0.05	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.61	128	5277	0.13	ng/ul	97
7) 2-Methylnaphthalene	11.15	142	9443	0.36	ng/ul	98
9) Acenaphthylene	13.14	152	3599	0.07	ng/ul	98
10) Acenaphthene	13.46	153	35601	1.08	ng/ul	93
11) Fluorene	14.45	166	44080	1.04	ng/ul	91
14) Phenanthrene	16.17	178	886971	3.35	ng/ul	97
15) Anthracene	16.24	178	337119	1.40	ng/ul	98
17) Fluoranthene	18.15	202	720147	2.33	ng/ul	88
19) Pyrene	18.54	202	525233	1.87	ng/ul#	78
20) Benzo(a)anthracene	20.26	228	51993	0.82	ng/ul	95
21) Chrysene	20.32	228	49963	0.68	ng/ul	98
23) Benzo(b)fluoranthene	21.63	252	29537	0.38	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	32228	0.40	ng/ul	97
25) Benzo(a)pyrene	22.09	252	34441	0.47	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	68167	0.22	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.79	278	5090	0.07	ng/ul#	70
28) Benzo(g,h,i)perylene	24.40	276	56228	0.18	ng/ul	96

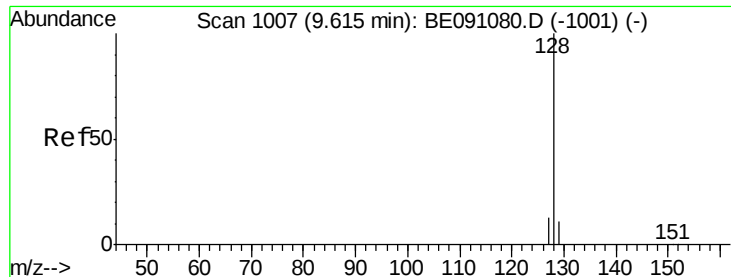
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 09 05:49:45 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.13 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Instrument :

BNA_E

ClientSampleId :

C0AP7DL

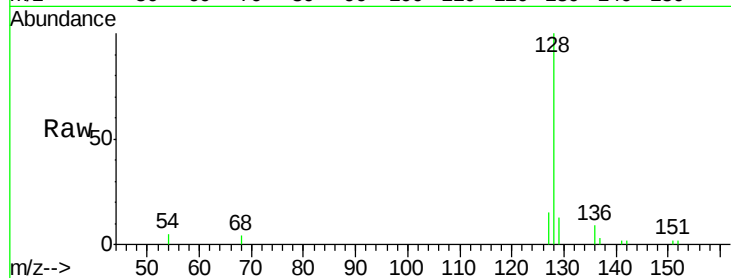
Tgt Ion:128 Resp: 5277

Ion Ratio Lower Upper

128 100

129 13.2 9.8 14.8

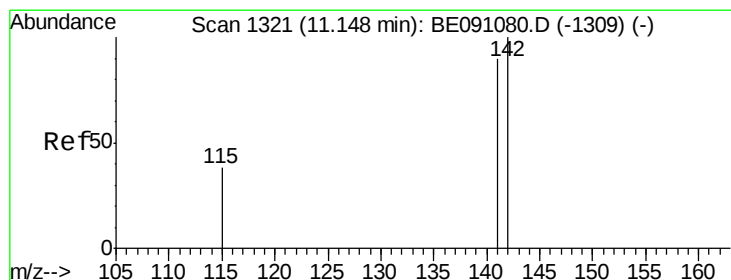
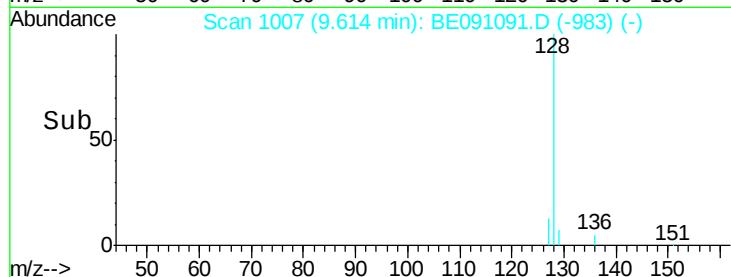
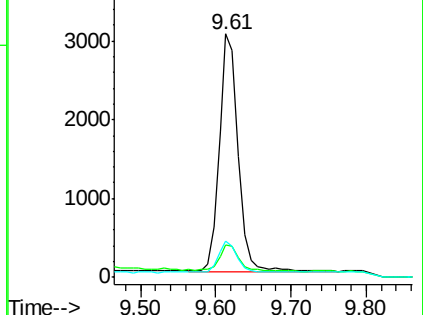
127 15.0 10.7 16.1



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: 0.36 ng/ul

RT: 11.15 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BE091091.D

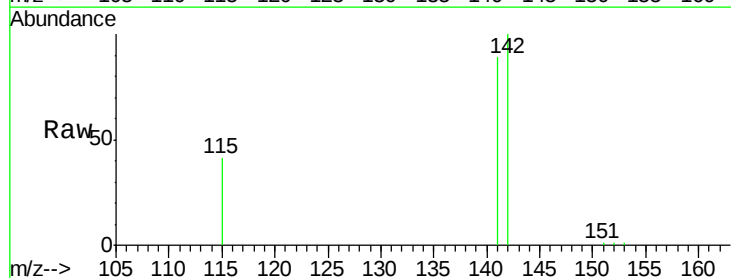
Acq: 6 Nov 2015 15:24

Tgt Ion:142 Resp: 9443

Ion Ratio Lower Upper

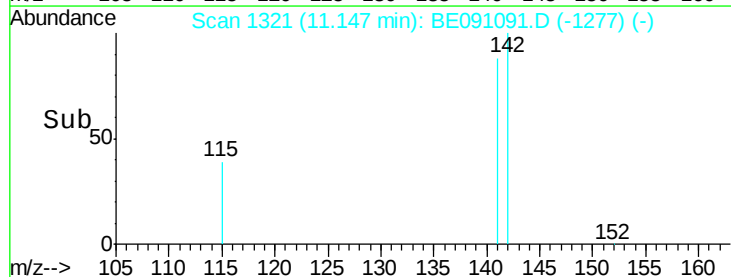
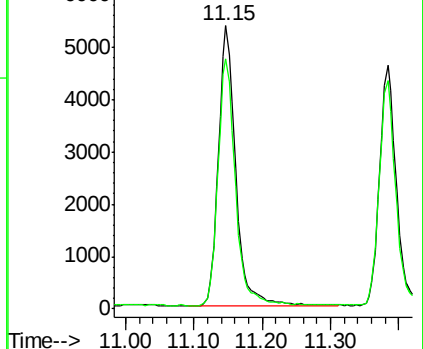
142 100

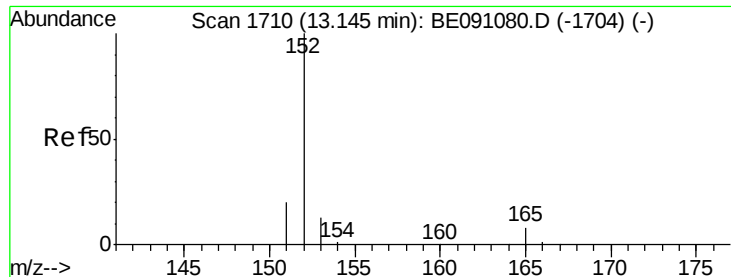
141 90.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.07 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Instrument :

BNA_E

ClientSampleId :

C0AP7DL

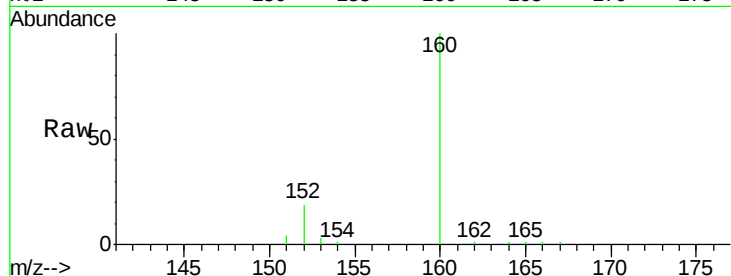
Tgt Ion:152 Resp: 3599

Ion Ratio Lower Upper

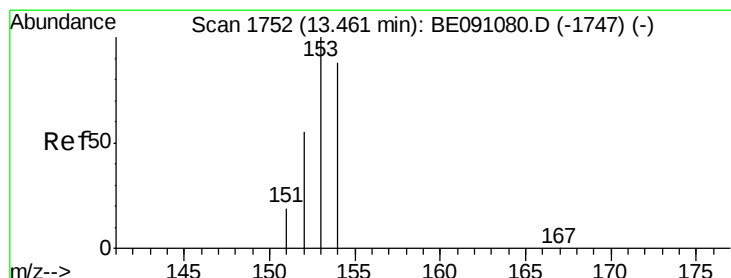
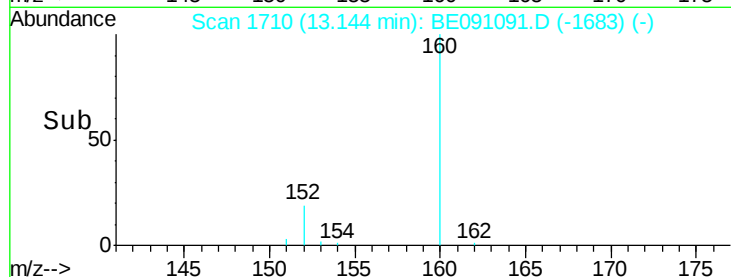
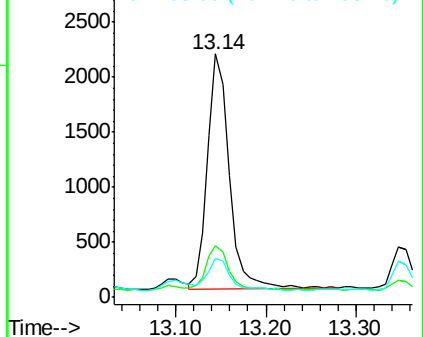
152 100

151 21.3 16.8 25.2

153 15.7 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: 1.08 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

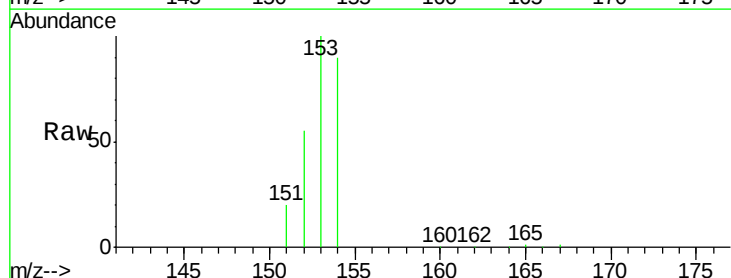
Tgt Ion:153 Resp: 35601

Ion Ratio Lower Upper

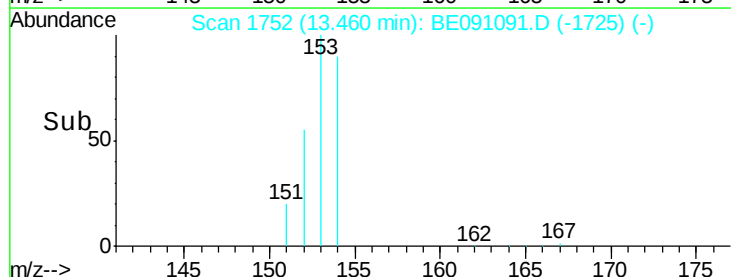
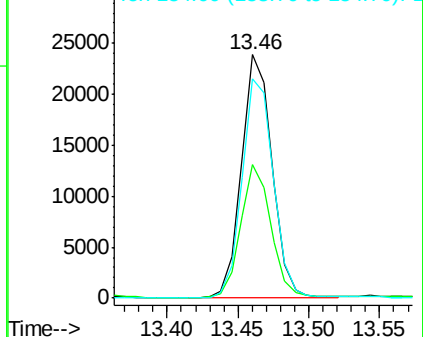
153 100

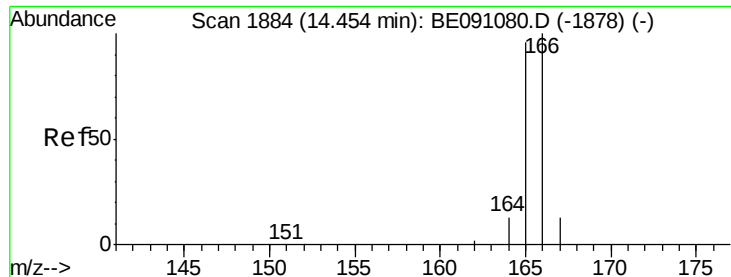
152 54.8 42.3 63.5

154 90.1 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: 1.04 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Instrument :

BNA_E

ClientSampleId :

C0AP7DL

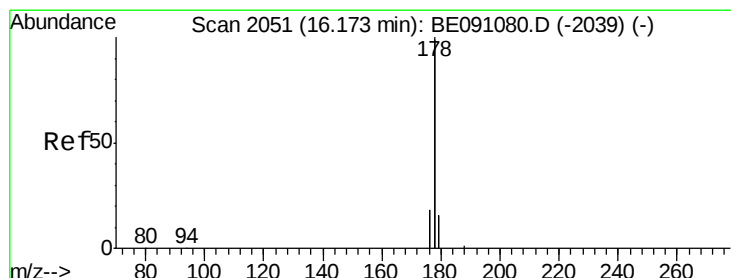
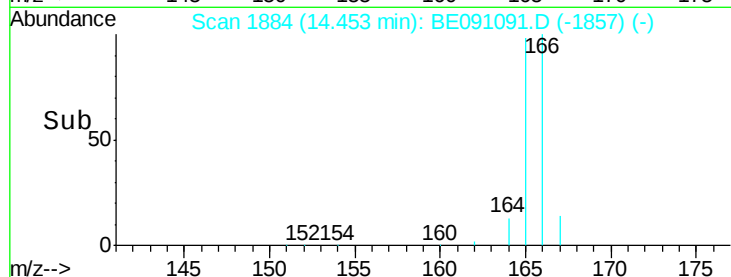
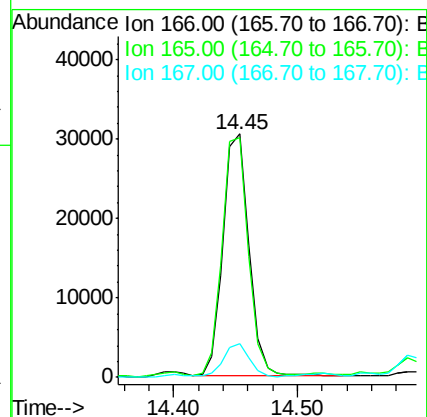
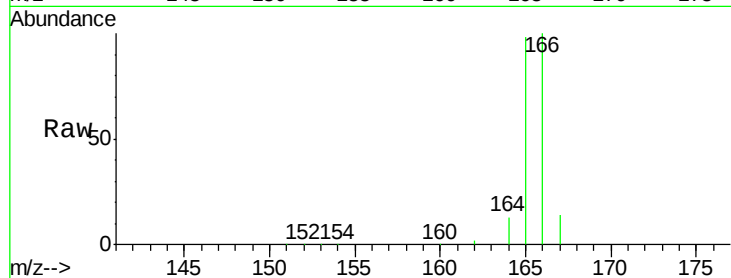
Tgt Ion:166 Resp: 44080

Ion Ratio Lower Upper

166 100

165 98.3 87.6 131.4

167 13.9 11.1 16.7



#14

Phenanthrene

Concen: 3.35 ng/ul

RT: 16.17 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

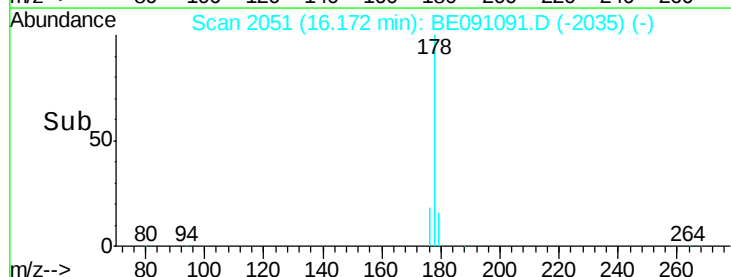
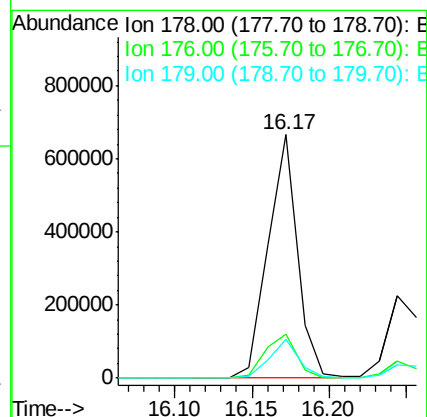
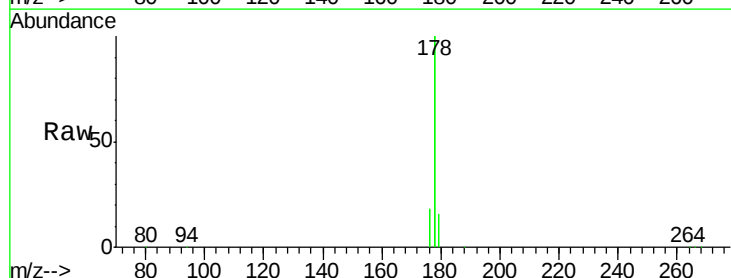
Tgt Ion:178 Resp: 886971

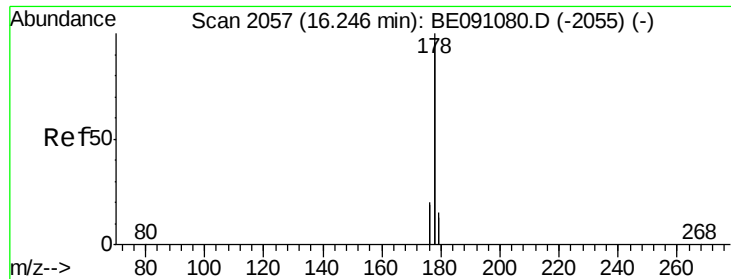
Ion Ratio Lower Upper

178 100

176 17.9 16.2 24.4

179 16.2 12.8 19.2





#15

Anthracene

Concen: 1.40 ng/ul

RT: 16.24 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Instrument :

BNA_E

ClientSampleId :

C0AP7DL

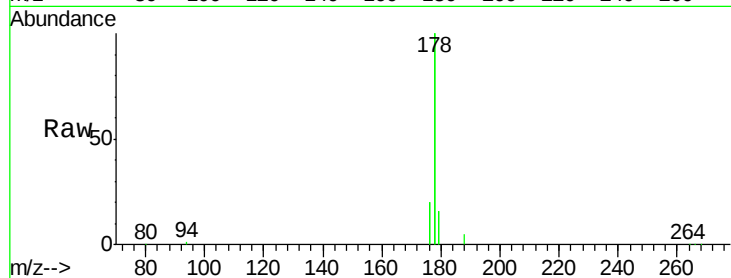
Tgt Ion:178 Resp: 337119

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

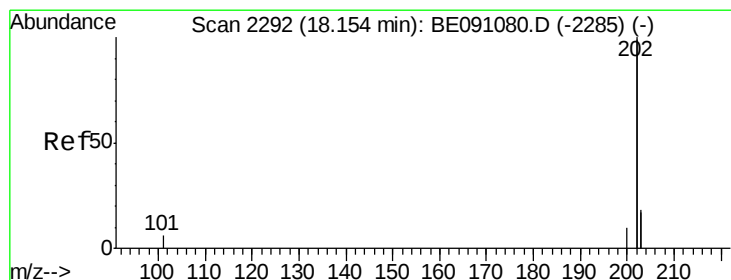
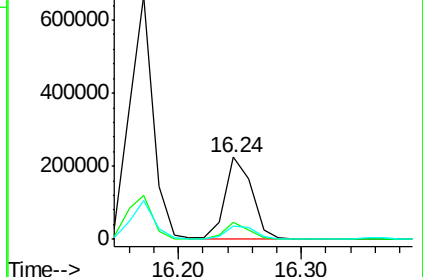
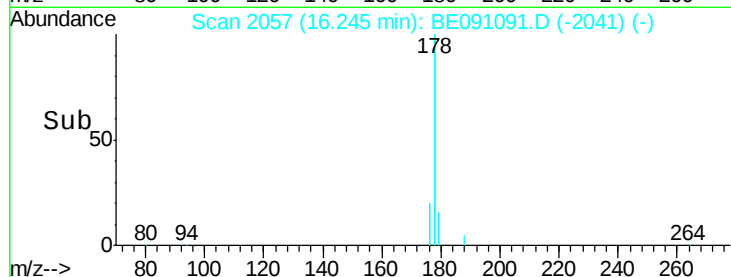
179 15.6 13.3 19.9



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: 2.33 ng/ul

RT: 18.15 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

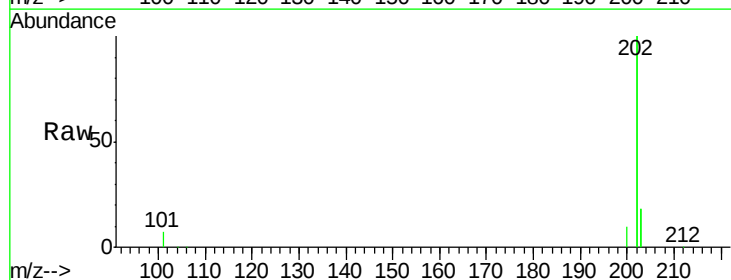
Tgt Ion:202 Resp: 720147

Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

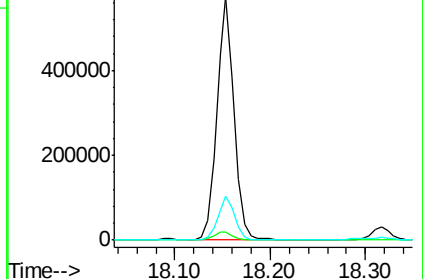
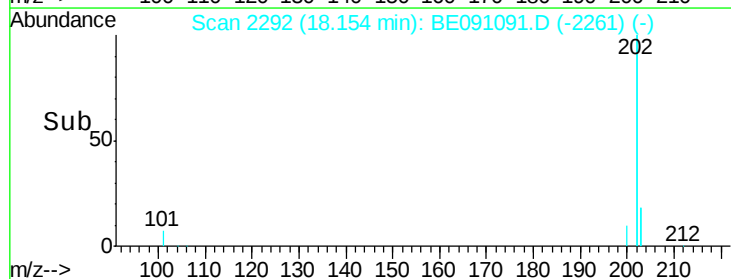
203 18.1 0.0 37.2

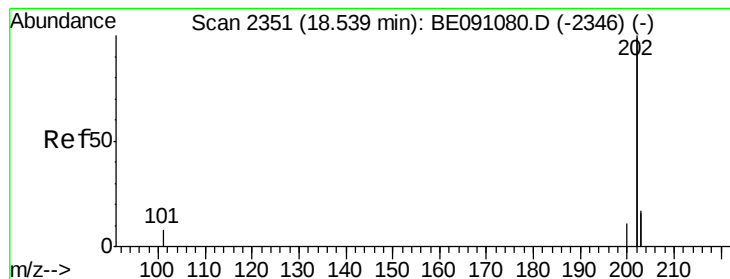


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 1.87 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Instrument :

BNA_E

ClientSampleId :

C0AP7DL

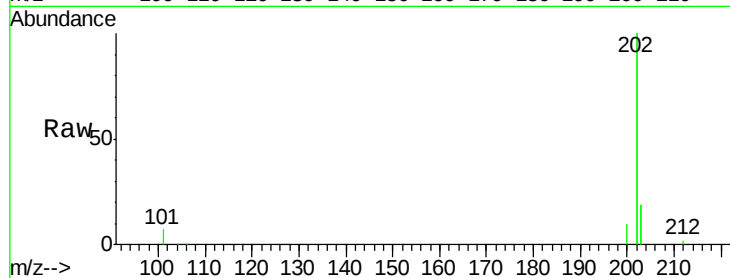
Tgt Ion:202 Resp: 525233

Ion Ratio Lower Upper

202 100

200 5.2 18.0 27.0#

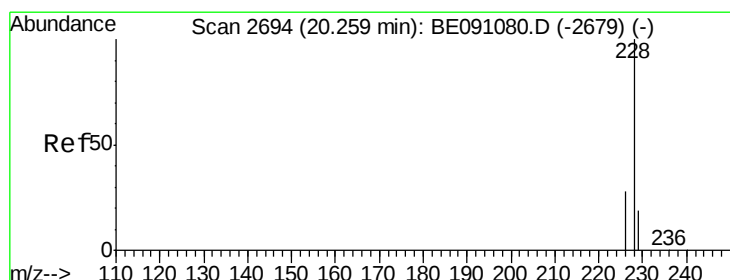
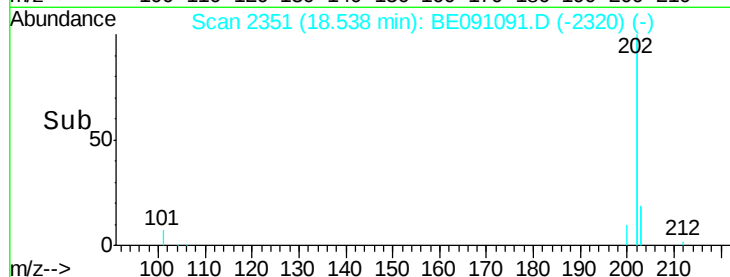
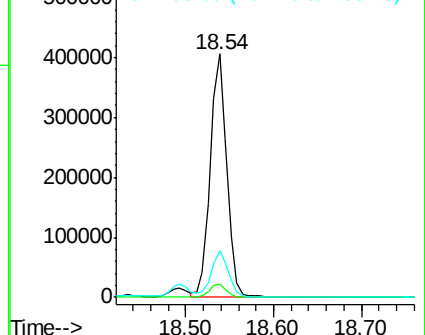
203 19.0 13.8 20.6



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: 0.82 ng/ul

RT: 20.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

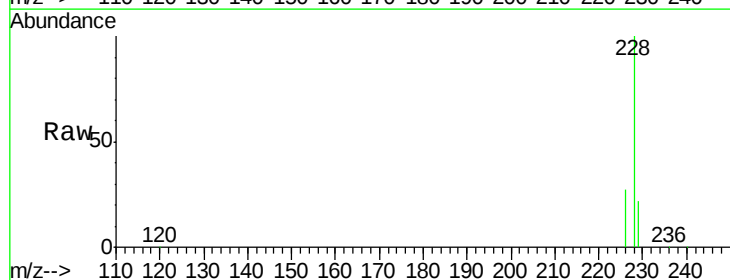
Tgt Ion:228 Resp: 51993

Ion Ratio Lower Upper

228 100

226 26.8 23.0 34.4

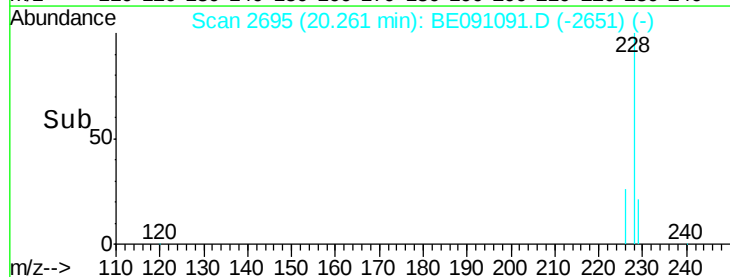
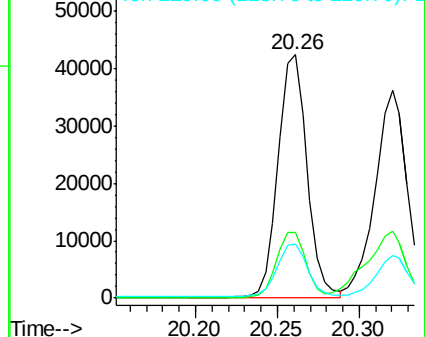
229 22.0 15.2 22.8

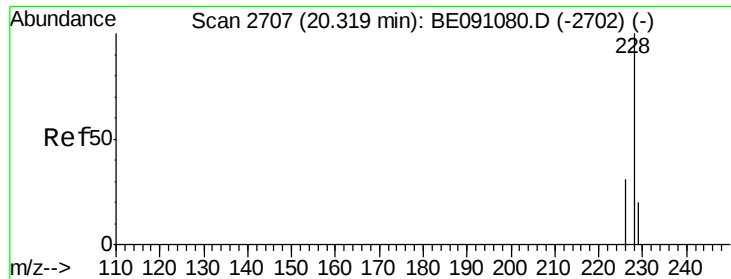


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.68 ng/ul

RT: 20.32 min Scan# 2708

Delta R.T. 0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Instrument :

BNA_E

ClientSampleId :

C0AP7DL

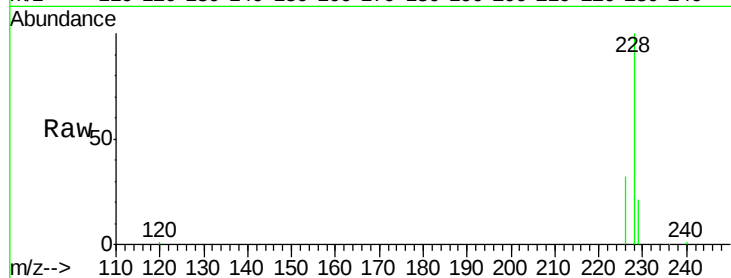
Tgt Ion:228 Resp: 49963

Ion Ratio Lower Upper

228 100

226 31.9 25.7 38.5

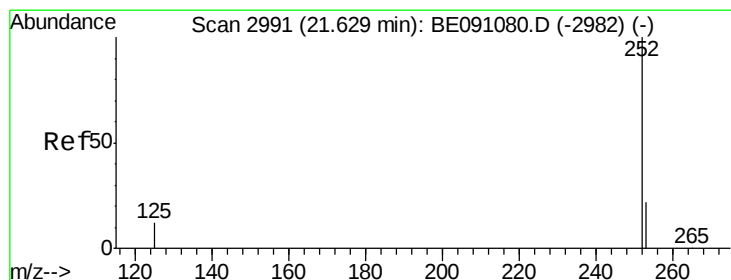
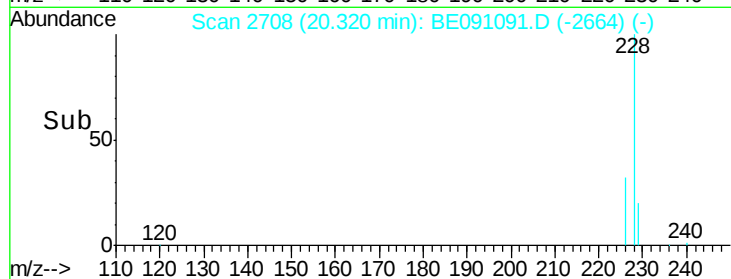
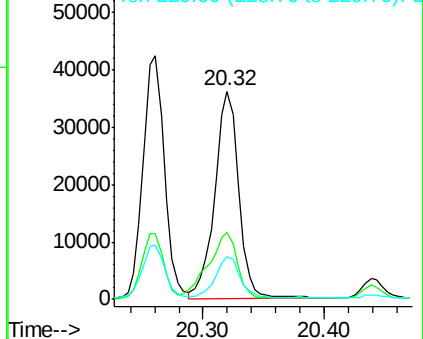
229 20.7 15.2 22.8



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: 0.38 ng/ul

RT: 21.63 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

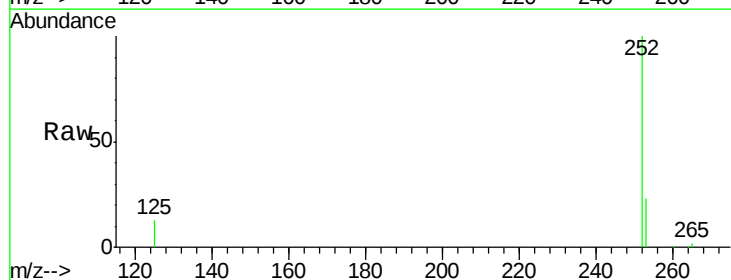
Tgt Ion:252 Resp: 29537

Ion Ratio Lower Upper

252 100

253 23.5 0.0 48.0

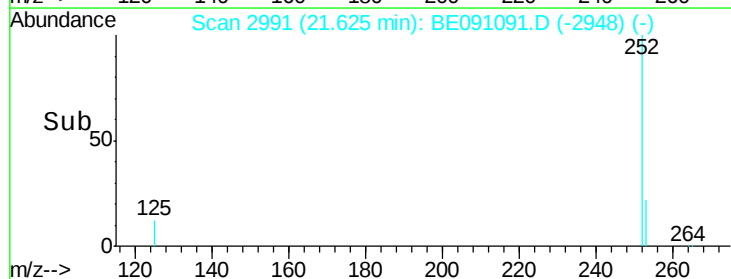
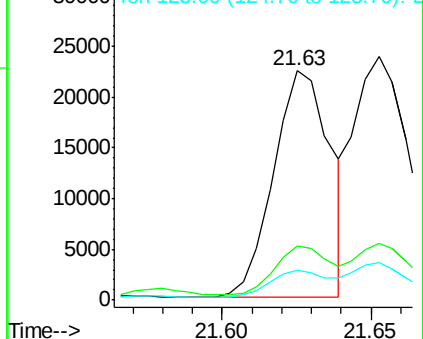
125 13.3 0.0 36.6

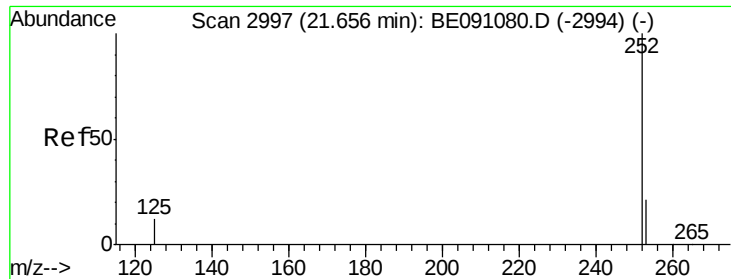


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 21.65 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Instrument :

BNA_E

ClientSampleId :

C0AP7DL

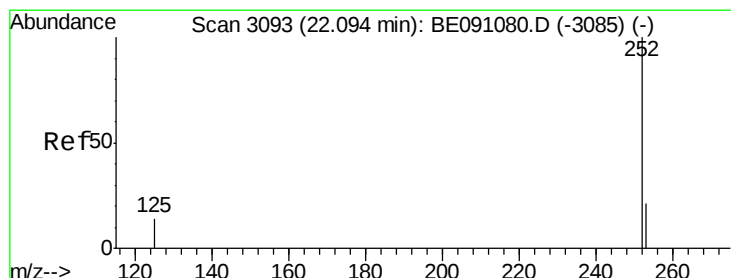
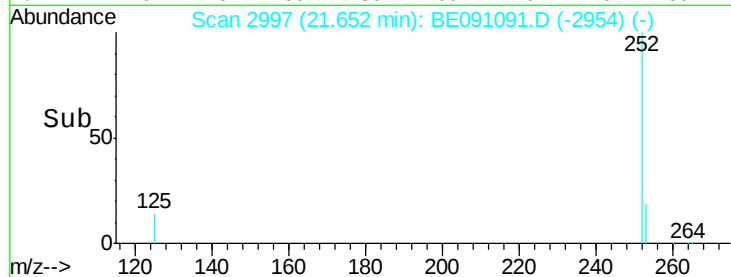
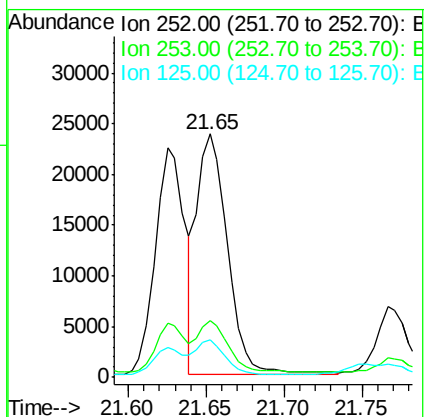
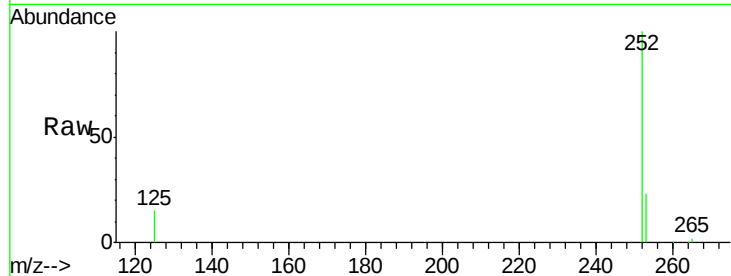
Tgt Ion:252 Resp: 32228

Ion Ratio Lower Upper

252 100

253 23.3 20.8 31.2

125 15.3 12.2 18.4



#25

Benzo(a)pyrene

Concen: 0.47 ng/ul

RT: 22.09 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

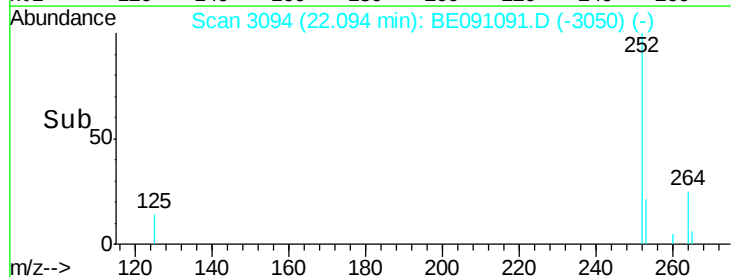
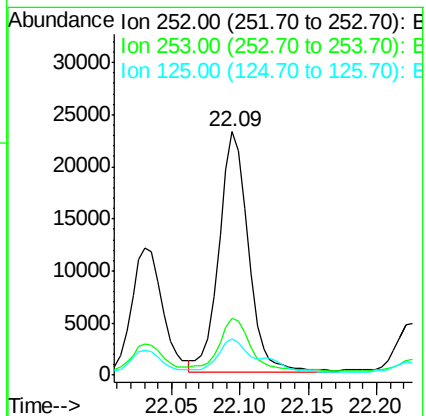
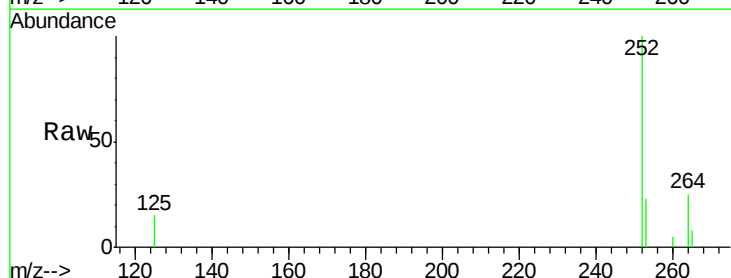
Tgt Ion:252 Resp: 34441

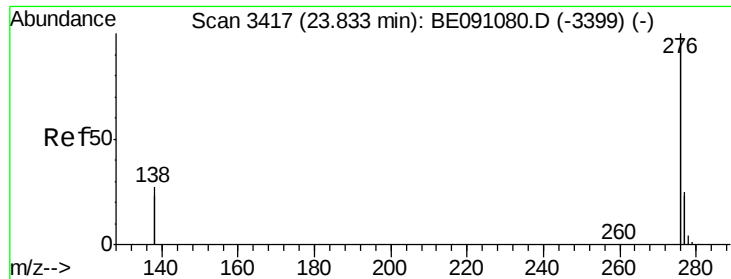
Ion Ratio Lower Upper

252 100

253 23.2 21.8 32.8

125 14.8 14.5 21.7





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.22 ng/ul

RT: 23.83 min Scan# 3418

Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Instrument :

BNA_E

ClientSampleId :

C0AP7DL

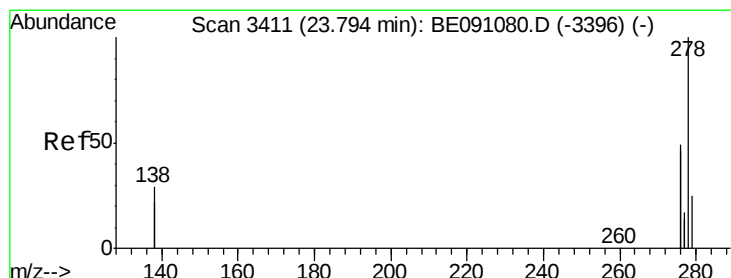
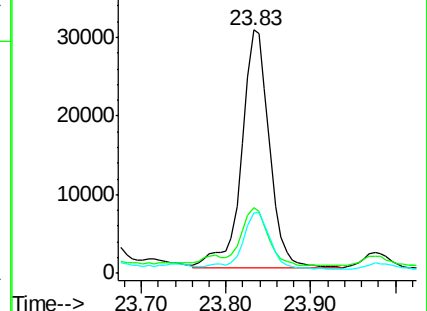
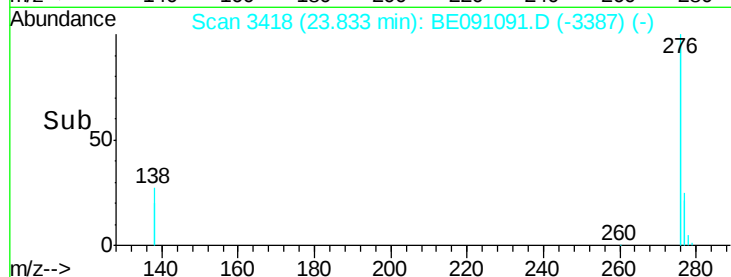
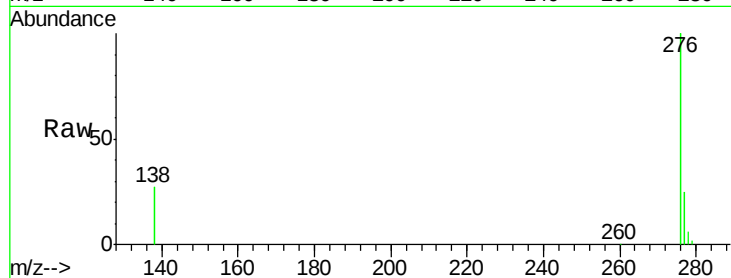
Tgt Ion:276 Resp: 68167

Ion Ratio Lower Upper

276 100

138 22.6 27.5 41.3#

277 24.0 19.3 28.9



#27

Dibenzo(a,h)anthracene

Concen: 0.07 ng/ul

RT: 23.79 min Scan# 3411

Delta R.T. -0.01 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

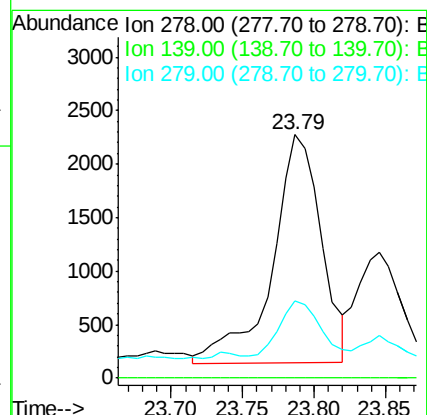
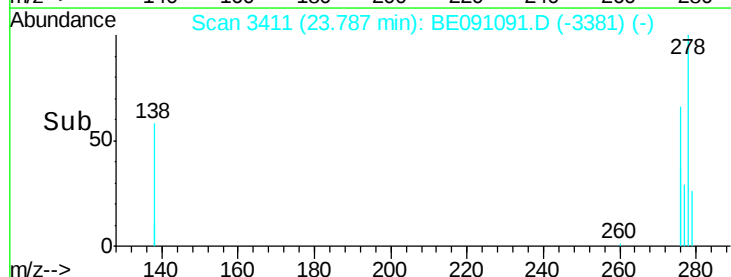
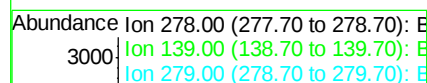
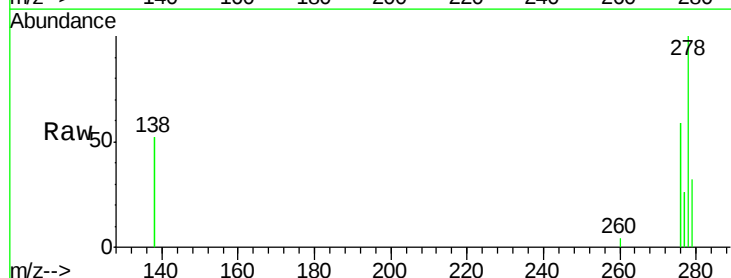
Tgt Ion:278 Resp: 5090

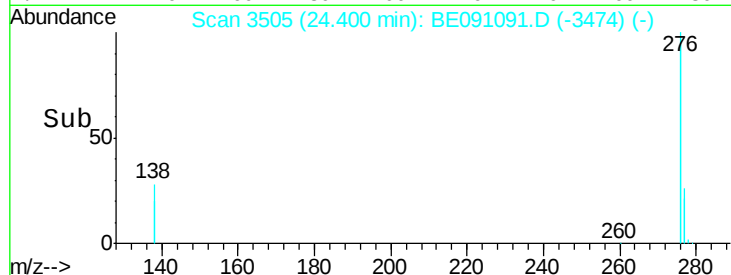
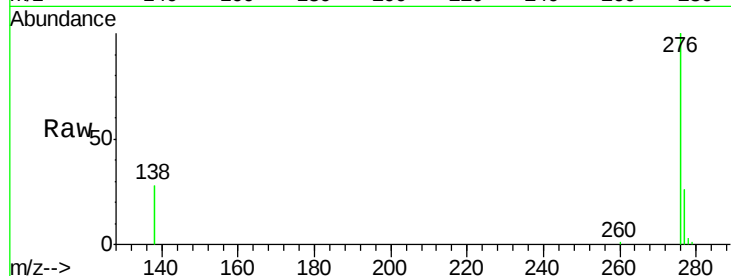
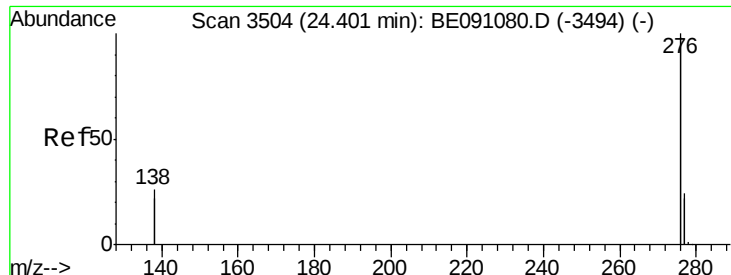
Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

279 31.8 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.18 ng/ul

RT: 24.40 min Scan# 3505

Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Instrument :

BNA_E

ClientSampleId :

C0AP7DL

Tgt Ion: 276 Resp: 56228

Ion Ratio Lower Upper

276 100

277 26.0 21.3 31.9

138 28.2 25.5 38.3

