

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091272.D
 Acq On : 21 Nov 2015 11:37
 Operator : UM/NP
 Sample : PB86690BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SBLK91

Quant Time: Nov 22 00:48:20 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 : Sun Nov 22 00:42:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2861	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.54	136	13220	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	6812	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.16	188	1336950	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	18608	0.40	ng/ul	0.00
22) Perylene-d12	21.99	264	1653531	0.40	ng/ul	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.92	96	28172	13.69	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.06	152	5649	0.31	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	17170	0.00	ng/ul	0.00

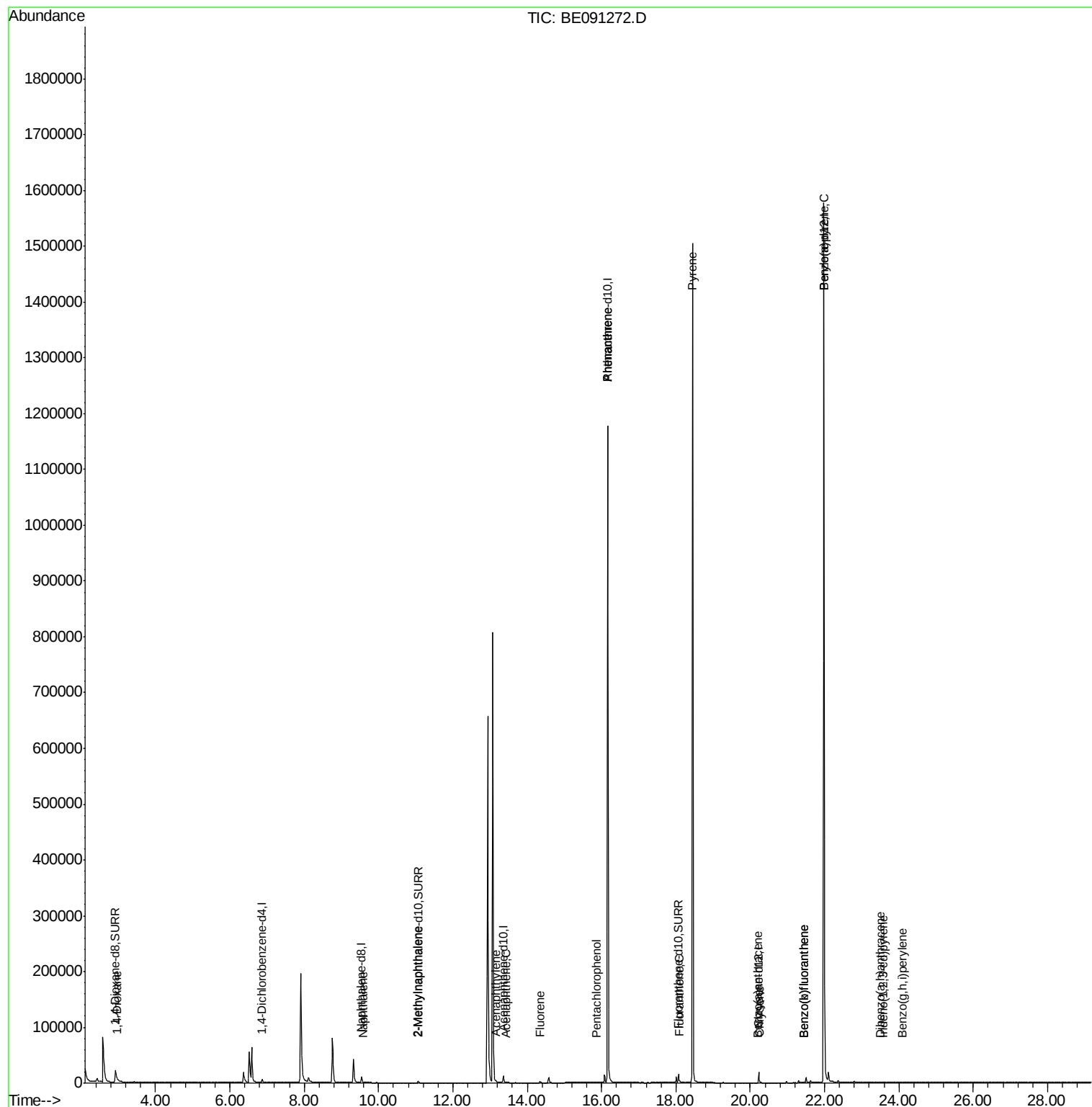
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.98	88	37	0.02	ng/ul#	24
5) Naphthalene	9.58	128	333	0.01	ng/ul#	1
7) 2-Methylnaphthalene	11.05	142	11	0.00	ng/ul	84
9) Acenaphthylene	13.16	152	9	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	47	0.00	ng/ul#	64
11) Fluorene	14.34	166	2453	0.08	ng/ul#	10
13) Pentachlorophenol	15.86	266	169	0.00	ng/ul	88
14) Phenanthrene	16.16	178	3785	0.00	ng/ul#	1
15) Anthracene	16.16	178	3715	0.00	ng/ul#	1
17) Fluoranthene	18.10	202	4680	0.00	ng/ul	80
19) Pyrene	18.45	202	15090	0.07	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	961	0.02	ng/ul#	78
21) Chrysene	20.26	228	1404	0.03	ng/ul#	87
23) Benzo(b)fluoranthene	21.43	252	16	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.46	252	15	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	6485	0.00	ng/ul#	10
26) Indeno(1,2,3-cd)pyrene	23.57	276	18	0.00	ng/ul#	16
27) Dibenzo(a,h)anthracene	23.51	278	36	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.09	276	7	0.00	ng/ul#	1

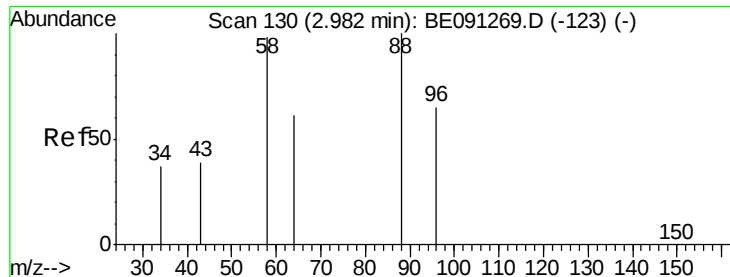
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Nov 22 00:42:09 2015
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#3

1,4-Dioxane

Concen: 0.02 ng/ul

RT: 2.98 min Scan# 130

Delta R.T. -0.00 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

Instrument :

BNA_E

ClientSampled :

SBLK91

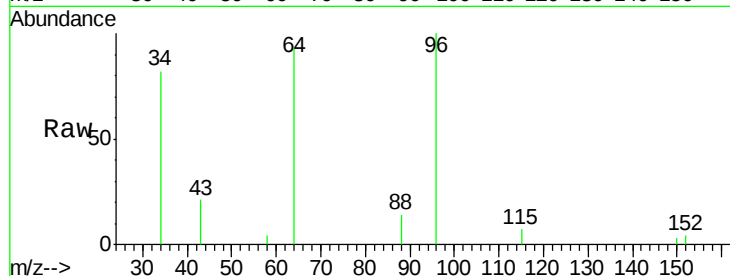
Tgt Ion: 88 Resp: 37

Ion Ratio Lower Upper

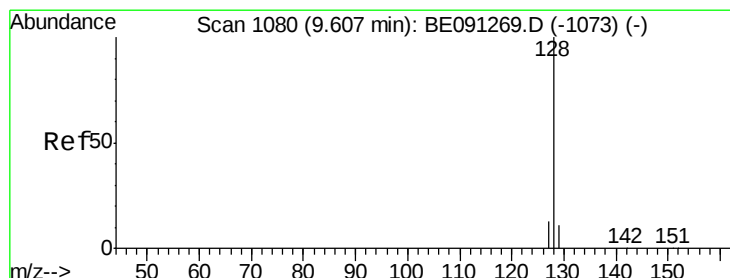
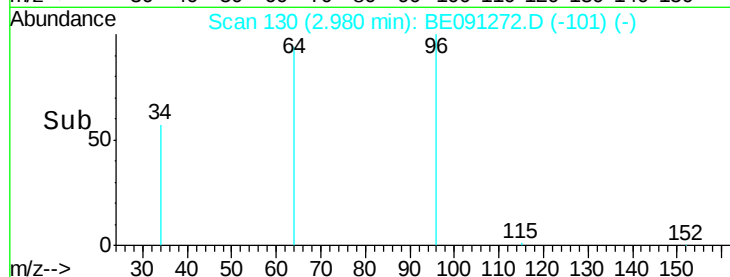
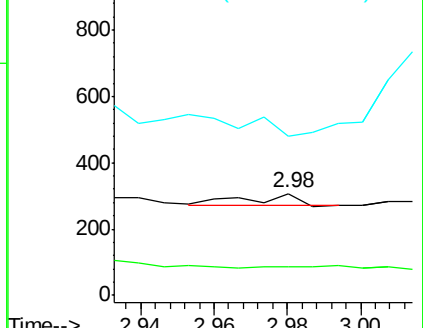
88 100

58 0.0 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: 0.01 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

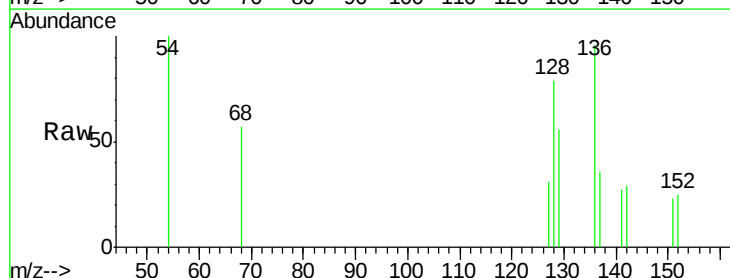
Tgt Ion: 128 Resp: 333

Ion Ratio Lower Upper

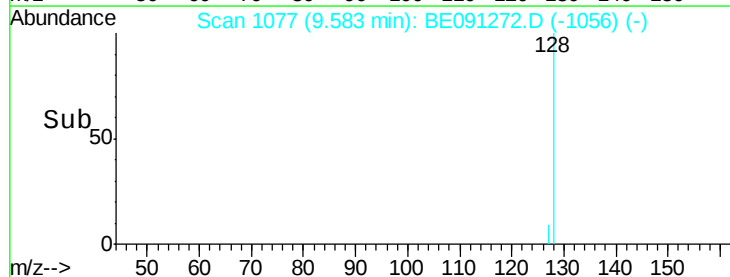
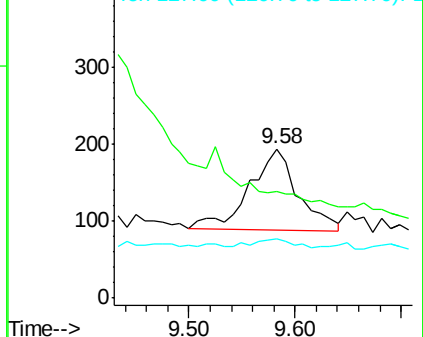
128 100

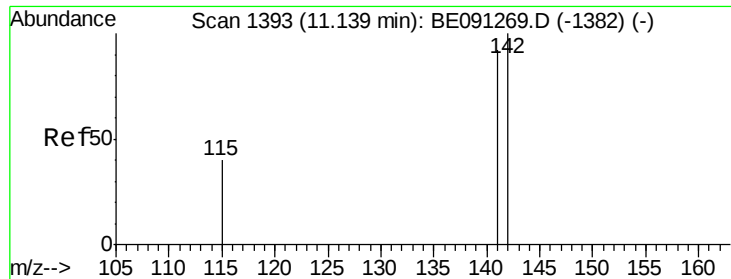
129 71.1 9.8 14.8#

127 39.7 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: 0.00 ng/ul

RT: 11.05 min Scan# 1373

Delta R.T. -0.09 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

Instrument :

BNA_E

ClientSampleId :

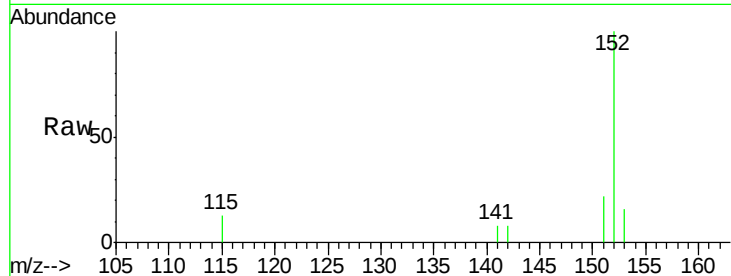
SBLK91

Tgt Ion:142 Resp: 11

Ion Ratio Lower Upper

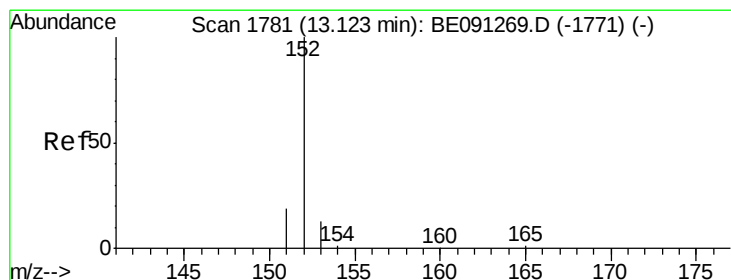
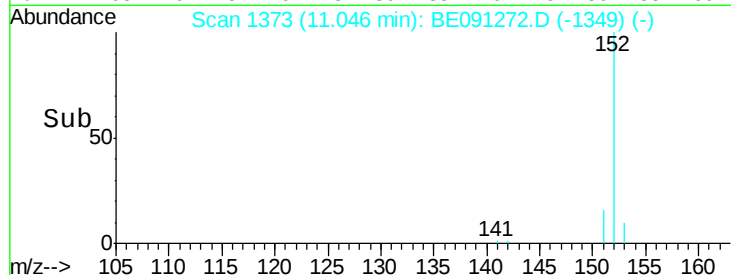
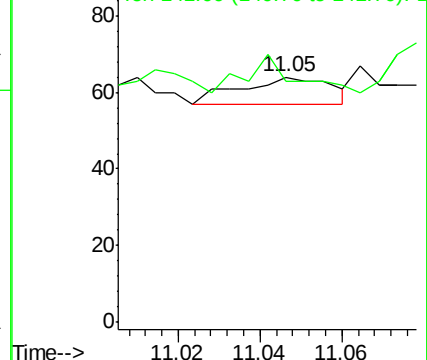
142 100

141 72.7 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: 0.00 ng/ul

RT: 13.16 min Scan# 1786

Delta R.T. 0.04 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

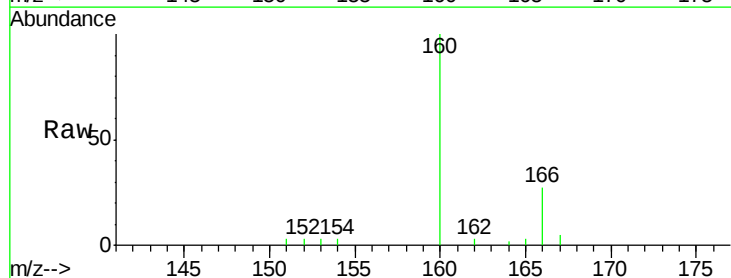
Tgt Ion:152 Resp: 9

Ion Ratio Lower Upper

152 100

151 86.3 16.8 25.2#

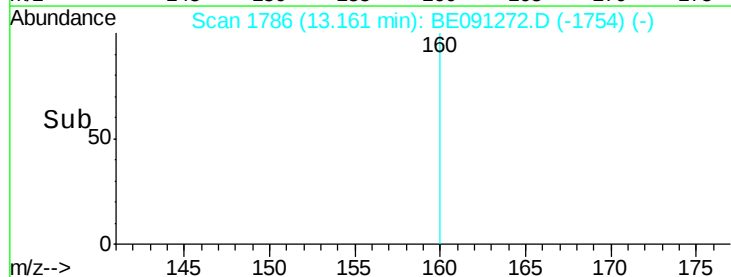
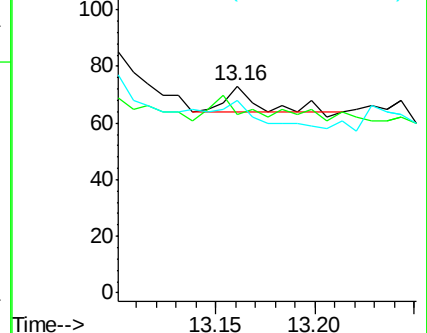
153 93.2 11.3 16.9#

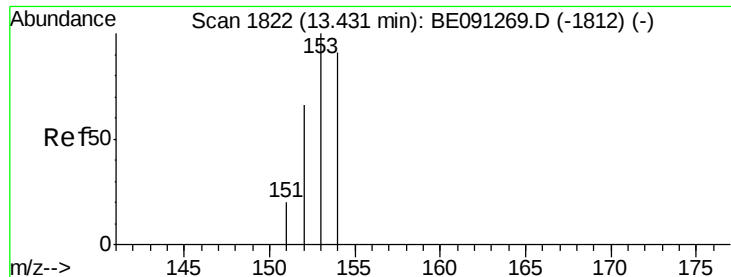


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

Instrument :

BNA_E

ClientSampleId :

SBLK91

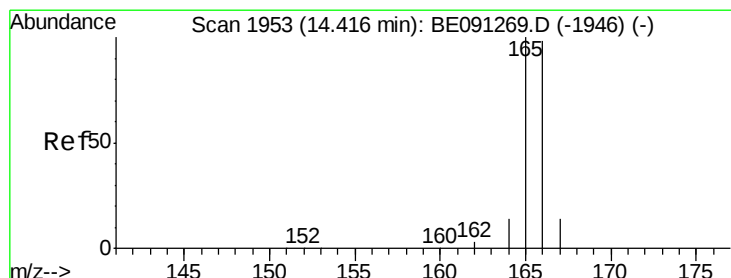
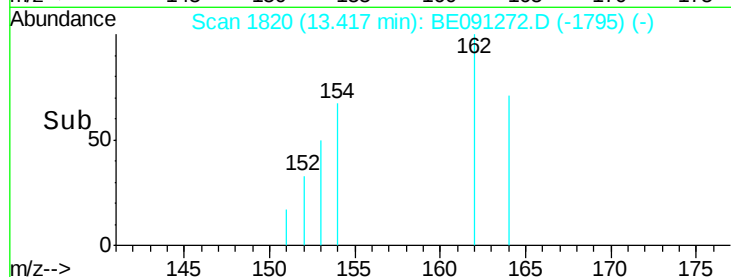
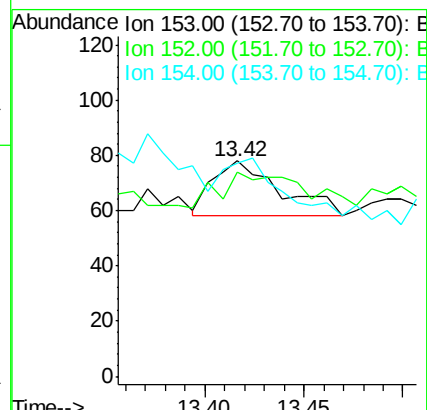
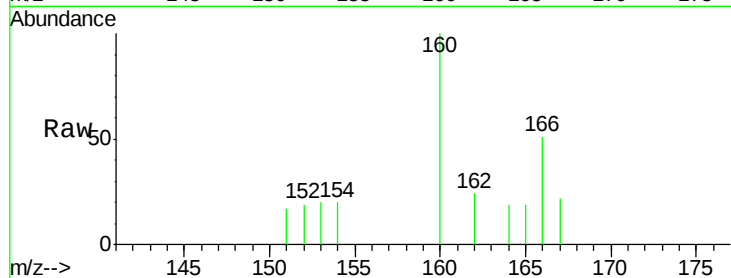
Tgt Ion:153 Resp: 47

Ion Ratio Lower Upper

153 100

152 94.9 42.3 63.5#

154 98.7 64.7 97.1#



#11

Fluorene

Concen: 0.08 ng/ul

RT: 14.34 min Scan# 1943

Delta R.T. -0.07 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

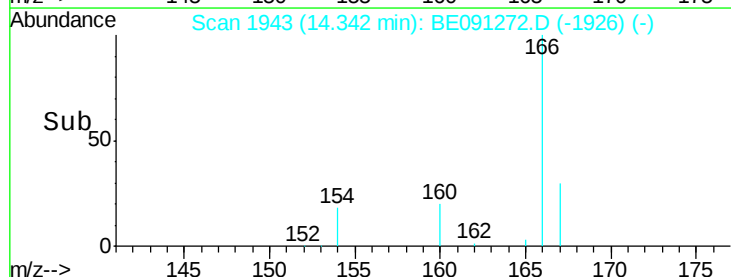
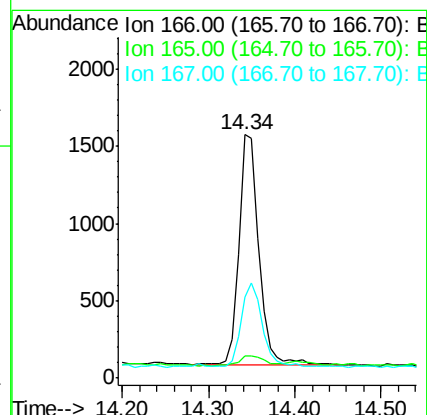
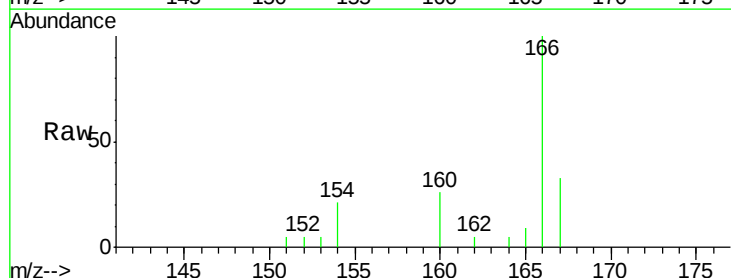
Tgt Ion:166 Resp: 2453

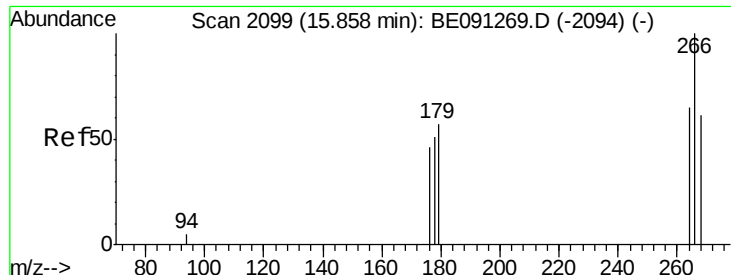
Ion Ratio Lower Upper

166 100

165 8.9 87.6 131.4#

167 33.1 11.1 16.7#

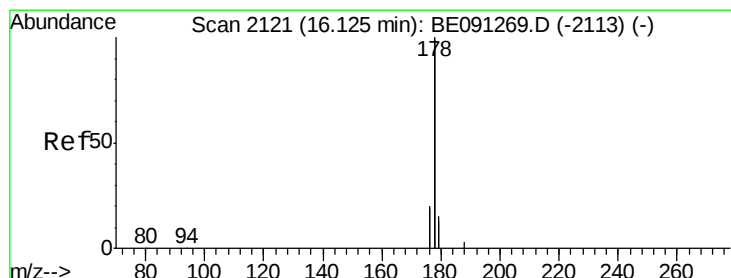
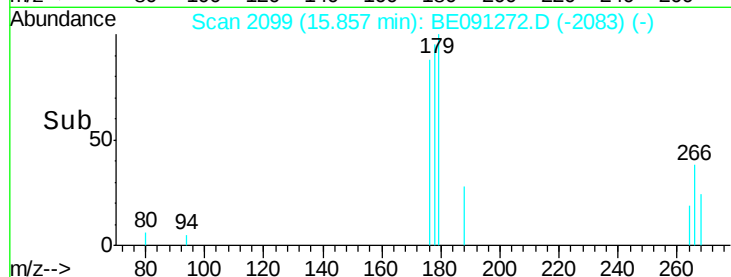
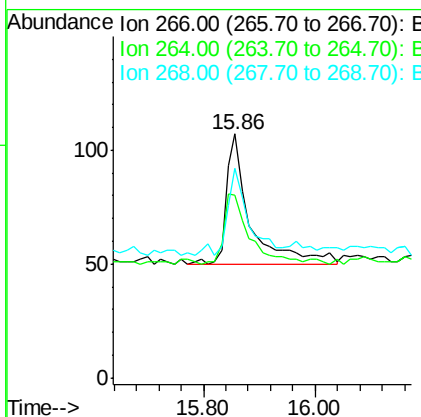
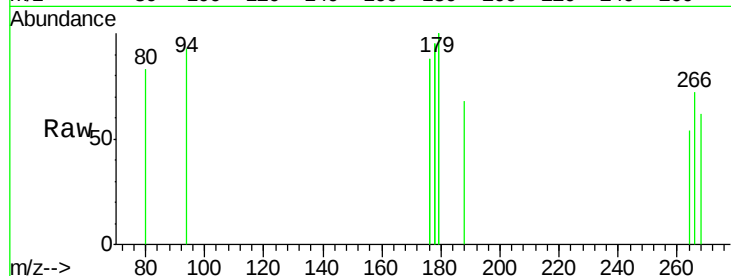




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: BE091272.D
 Acq: 21 Nov 2015 11:37

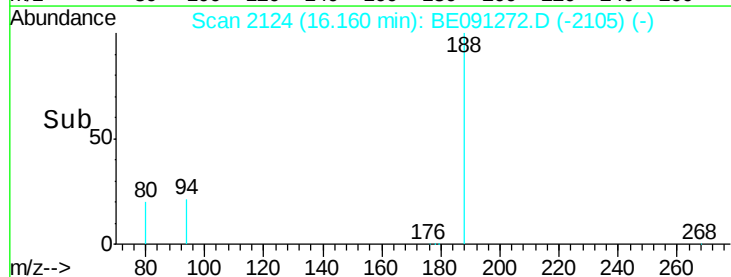
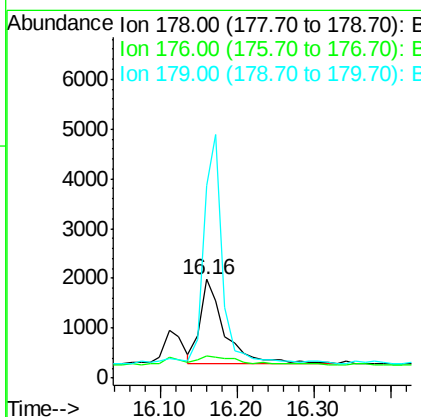
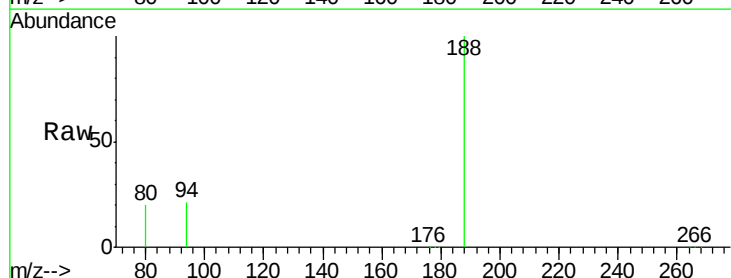
Instrument :
 BNA_E
 ClientSampleId :
 SBLK91

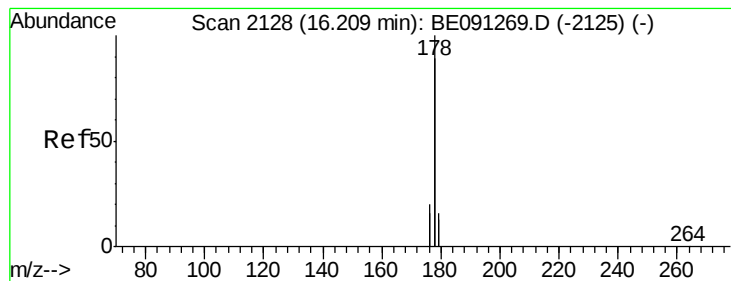
Tgt Ion: 266 Resp: 169
 Ion Ratio Lower Upper
 266 100
 264 56.8 53.5 80.3
 268 59.2 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.04 min
 Lab File: BE091272.D
 Acq: 21 Nov 2015 11:37

Tgt Ion: 178 Resp: 3785
 Ion Ratio Lower Upper
 178 100
 176 23.0 16.2 24.4
 179 195.3 12.8 19.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.16 min Scan# 2124

Delta R.T. -0.05 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

Instrument :

BNA_E

ClientSampleId :

SBLK91

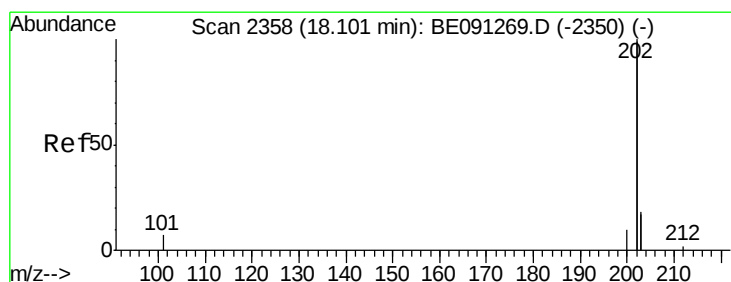
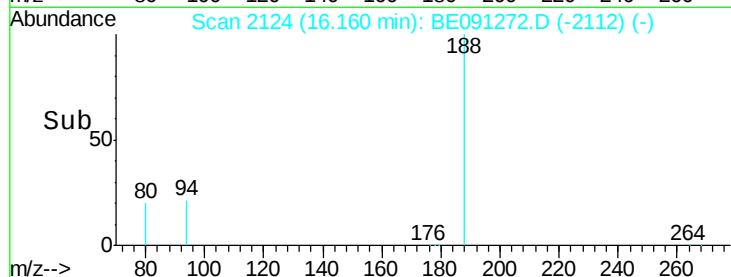
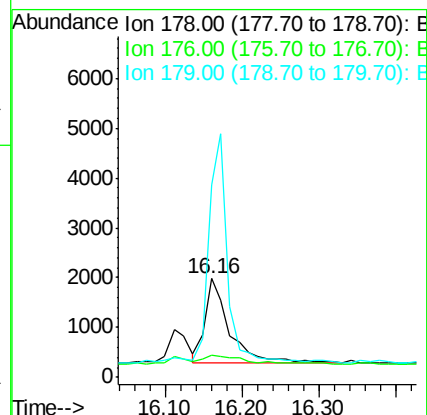
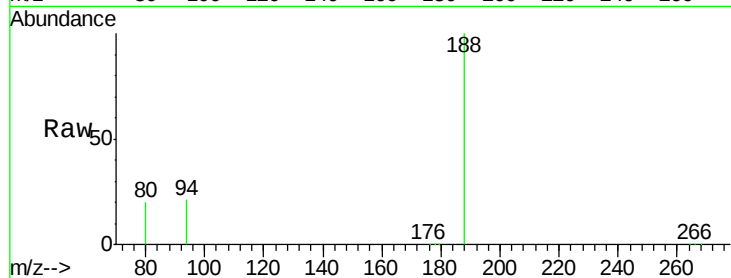
Tgt Ion:178 Resp: 3715

Ion Ratio Lower Upper

178 100

176 23.0 15.8 23.8

179 195.3 13.3 19.9#



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 18.10 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

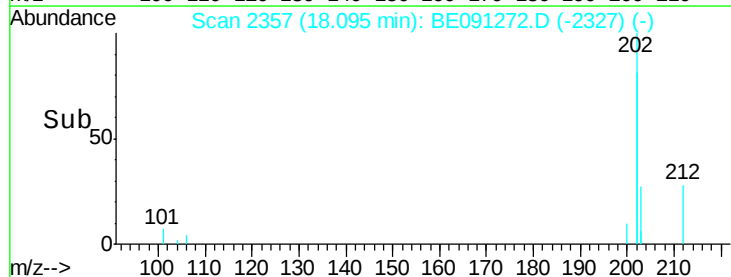
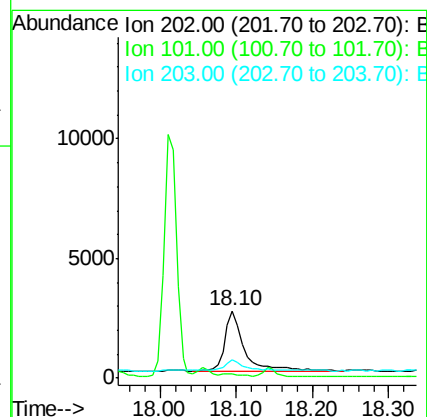
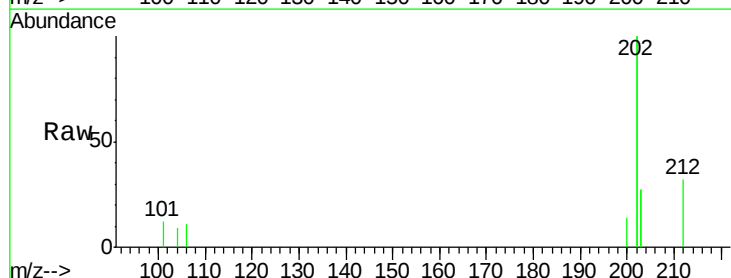
Tgt Ion:202 Resp: 4680

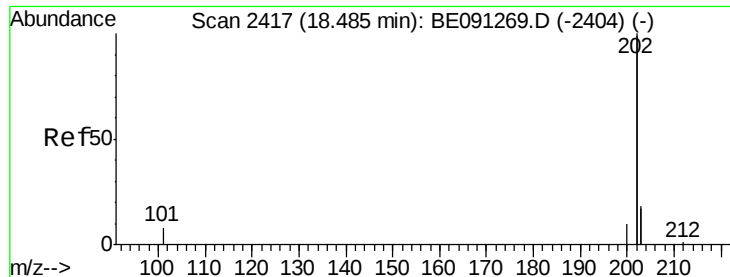
Ion Ratio Lower Upper

202 100

101 6.2 0.0 33.1

203 26.5 0.0 37.2





#19

Pyrene

Concen: 0.07 ng/ul

RT: 18.45 min Scan# 2411

Delta R.T. -0.04 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

Instrument :

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SBLK91

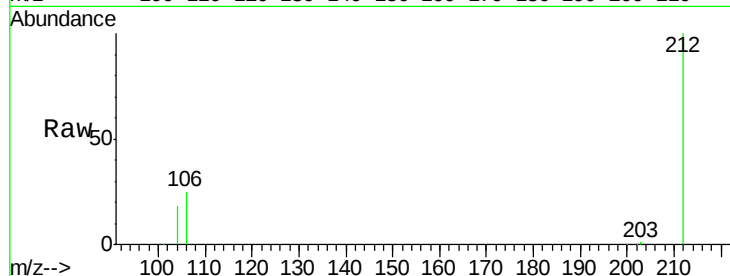
Tgt Ion:202 Resp: 15090

Ion Ratio Lower Upper

202 100

200 1.9 18.0 27.0#

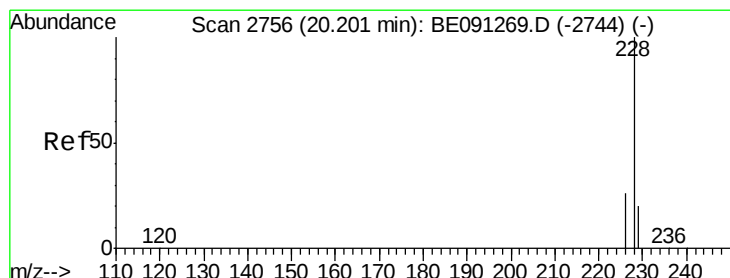
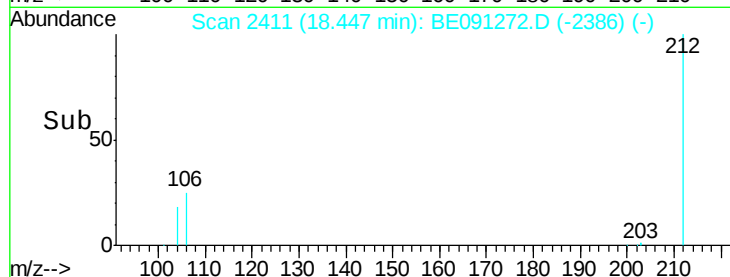
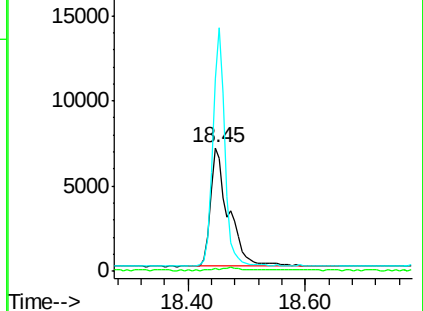
203 156.3 13.8 20.6#



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: 0.02 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

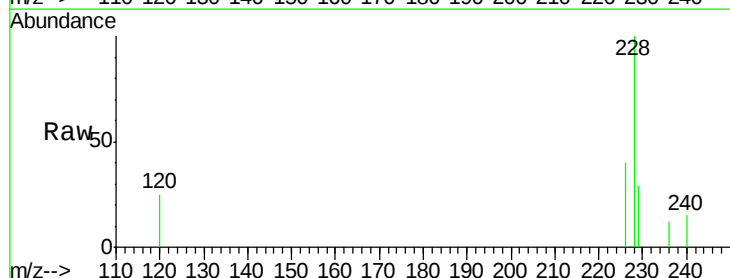
Tgt Ion:228 Resp: 961

Ion Ratio Lower Upper

228 100

226 40.1 23.0 34.4#

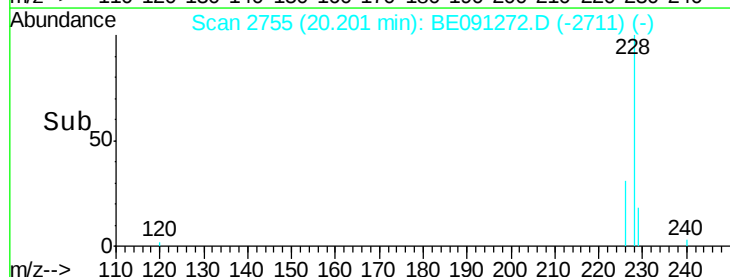
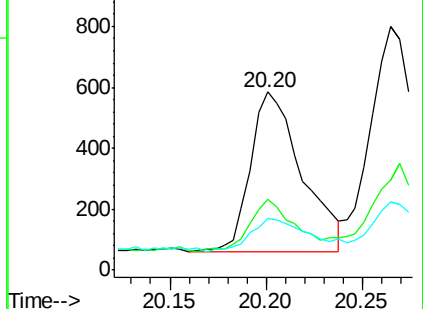
229 29.3 15.2 22.8#

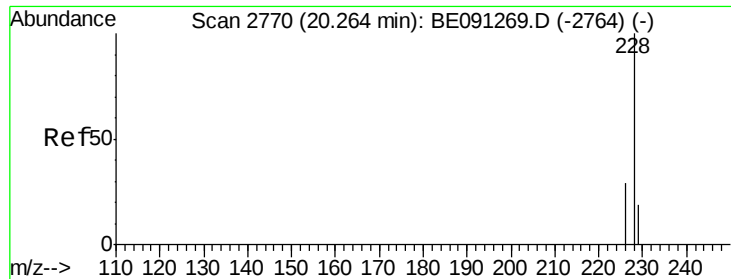


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.03 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

Instrument :

BNA_E

ClientSampleId :

SBLK91

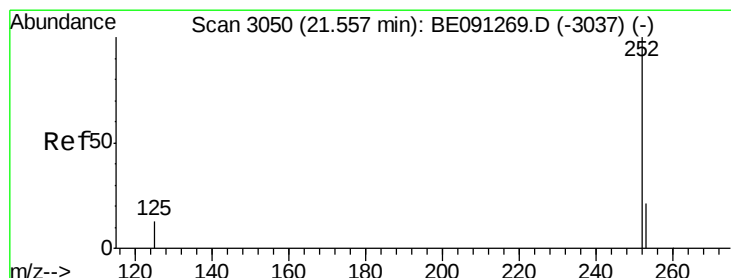
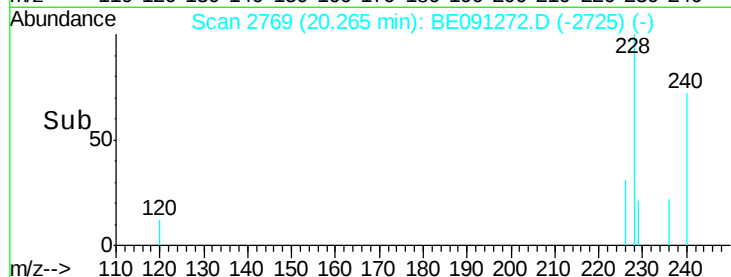
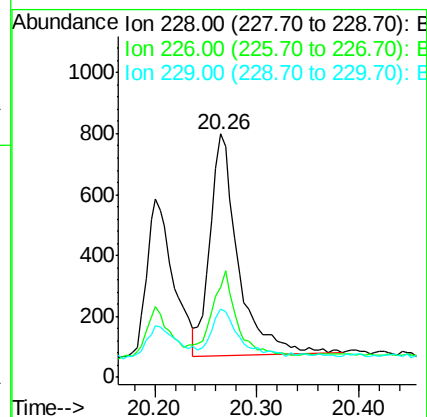
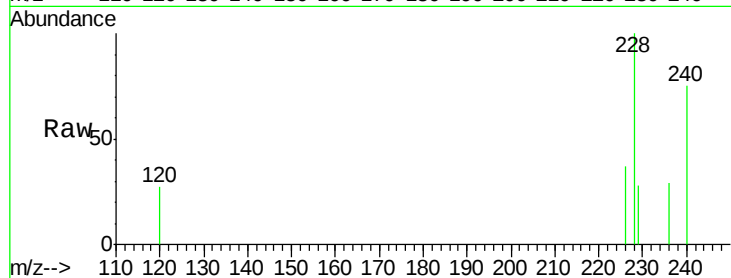
Tgt Ion:228 Resp: 1404

Ion Ratio Lower Upper

228 100

226 36.9 25.7 38.5

229 28.2 15.2 22.8#



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.43 min Scan# 3022

Delta R.T. -0.12 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

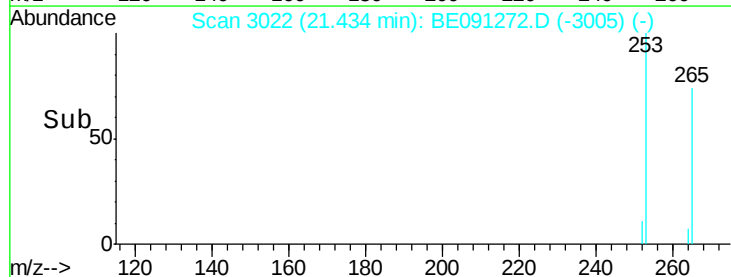
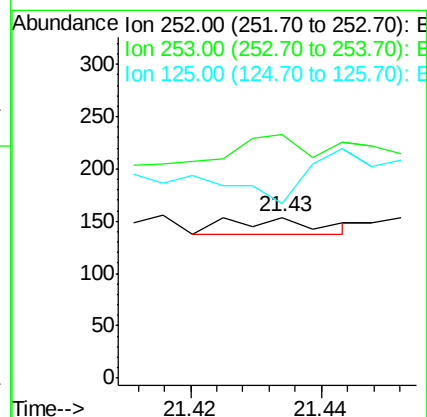
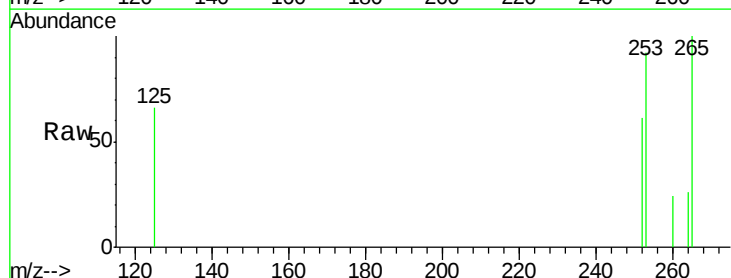
Tgt Ion:252 Resp: 16

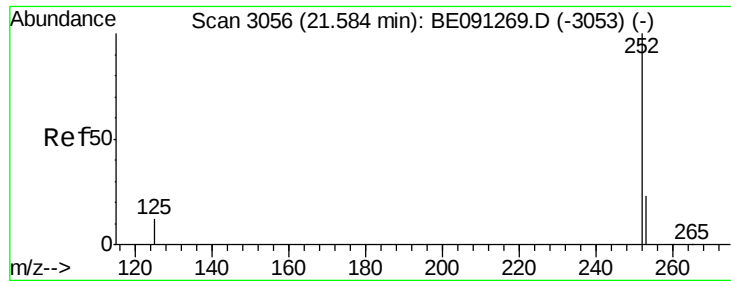
Ion Ratio Lower Upper

252 100

253 151.3 0.0 48.0#

125 108.4 0.0 36.6#





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.46 min Scan# 3027

Delta R.T. -0.13 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

Instrument :

BNA_E

ClientSampleId :

SBLK91

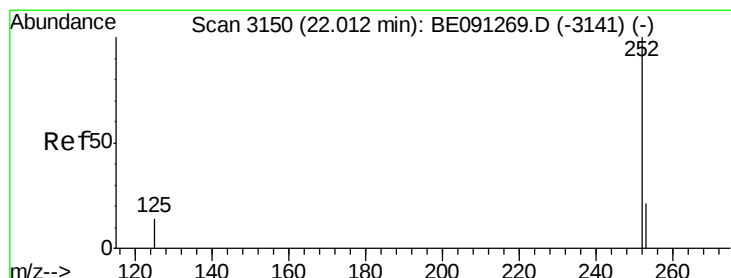
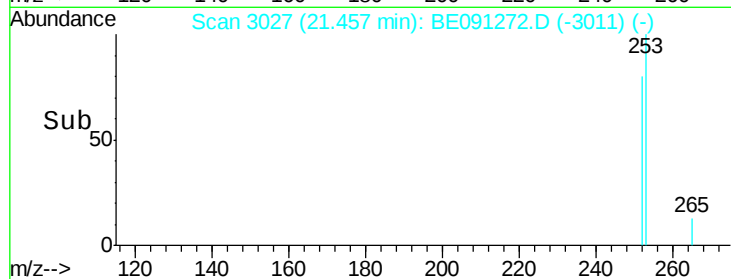
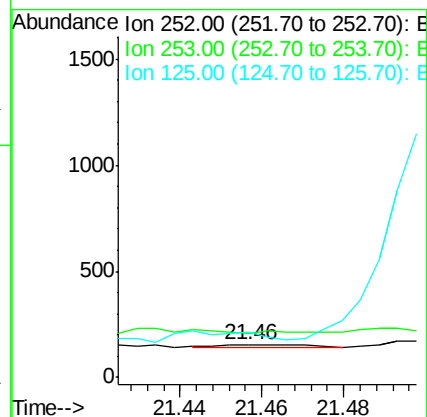
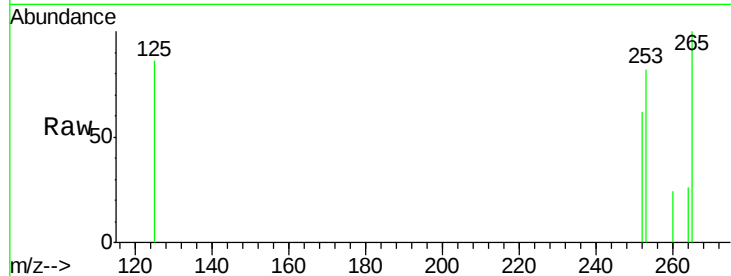
Tgt Ion:252 Resp: 15

Ion Ratio Lower Upper

252 100

253 132.9 20.8 31.2#

125 139.4 12.2 18.4#



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 21.98 min Scan# 3142

Delta R.T. -0.03 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

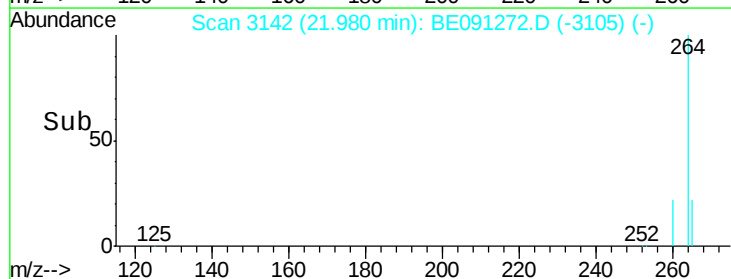
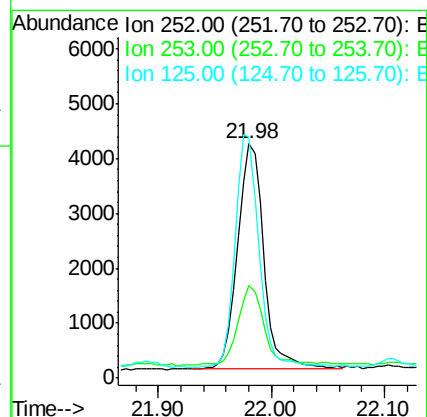
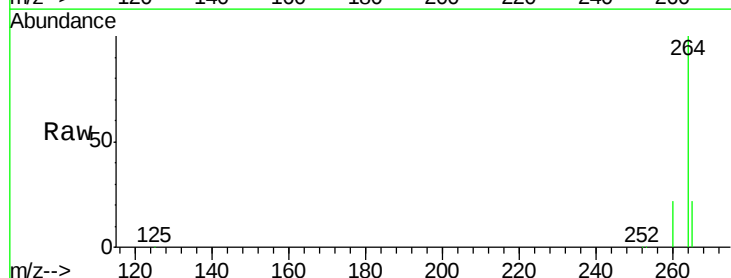
Tgt Ion:252 Resp: 6485

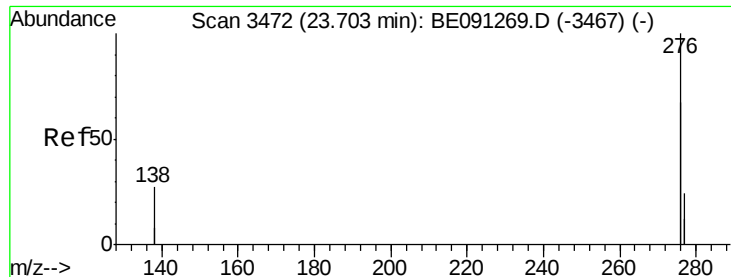
Ion Ratio Lower Upper

252 100

253 39.3 21.8 32.8#

125 102.8 14.5 21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 23.57 min Scan# 3451

Delta R.T. -0.13 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

Instrument :

BNA_E

ClientSampleId :

SBLK91

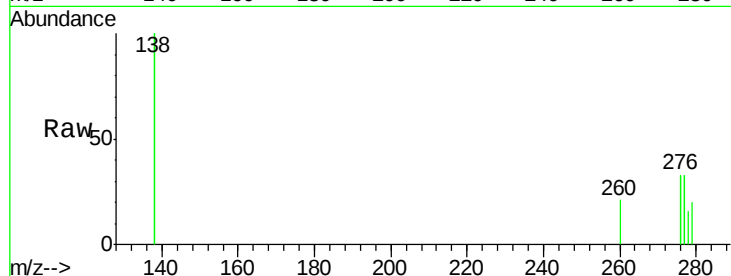
Tgt Ion:276 Resp: 18

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

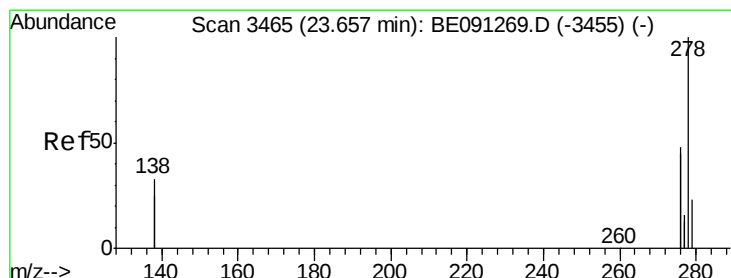
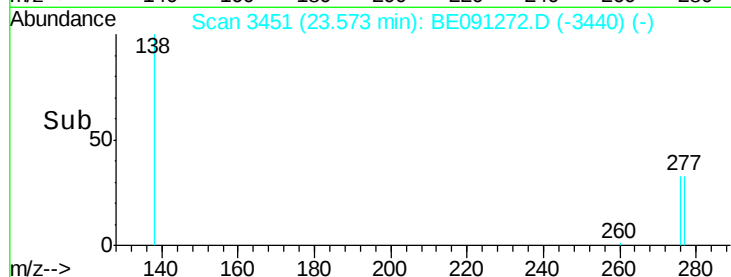
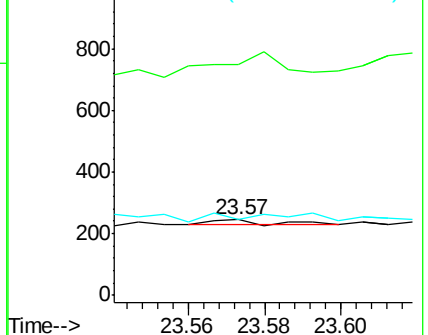
277 83.3 19.3 28.9#



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: 0.00 ng/ul

RT: 23.51 min Scan# 3441

Delta R.T. -0.15 min

Lab File: BE091272.D

Acq: 21 Nov 2015 11:37

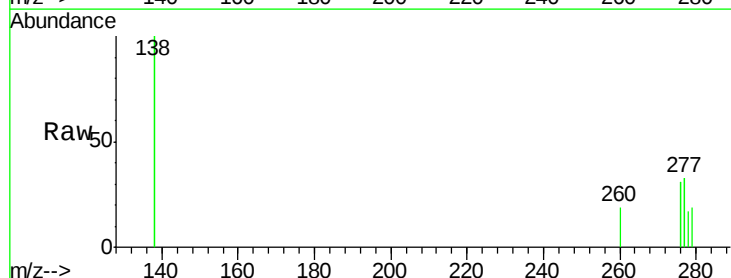
Tgt Ion:278 Resp: 36

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

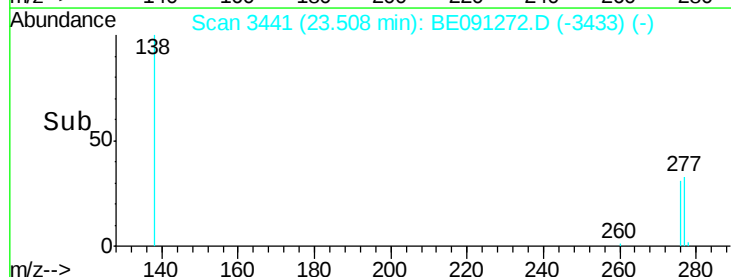
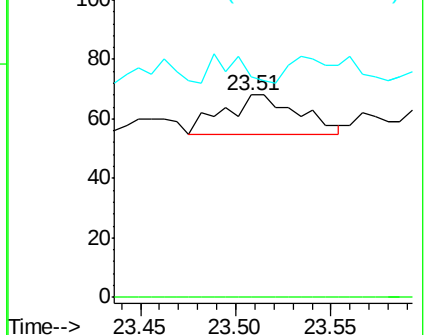
279 108.8 21.9 32.9#

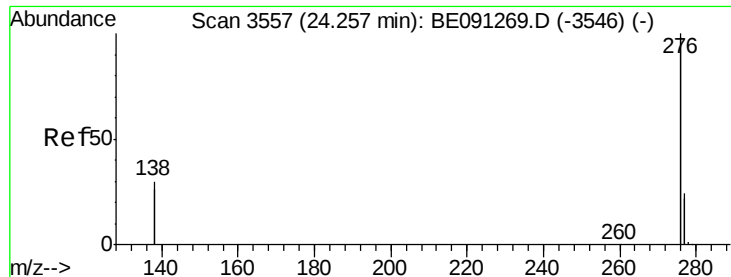


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.00 ng/u1

RT: 24.09 min Scan# 3531

Delta R.T. -0.16 min

Lab File: BE091272.D

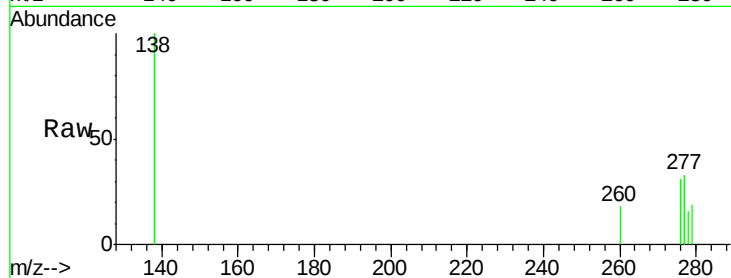
Acq: 21 Nov 2015 11:37

Instrument :

BNA_E

ClientSampleId :

SBLK91



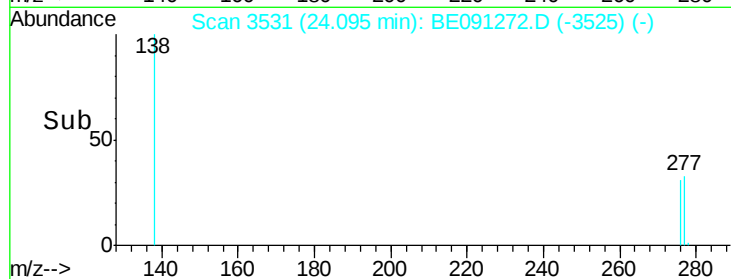
Tgt Ion: 276 Resp: 7

Ion Ratio Lower Upper

276 100

277 105.9 21.3 31.9#

138 317.6 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

