

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112215\
 Data File : BE091292.D
 Acq On : 22 Nov 2015 10:12
 Operator : UM/NP
 Sample : PB86665BL
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SBLK65

Quant Time: Nov 23 00:44:54 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 23 00:41:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	2985	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.54	136	14790	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	7961	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.16	188	1200458	0.40	ng/ul	0.07
18) Chrysene-d12	20.22	240	43223	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1408587	0.40	ng/ul	-0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.91	96	25119	11.70	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.04	152	5457	0.27	ng/ul	-0.01
16) Fluoranthene-d10	18.07	212	13775	0.00	ng/ul	0.00

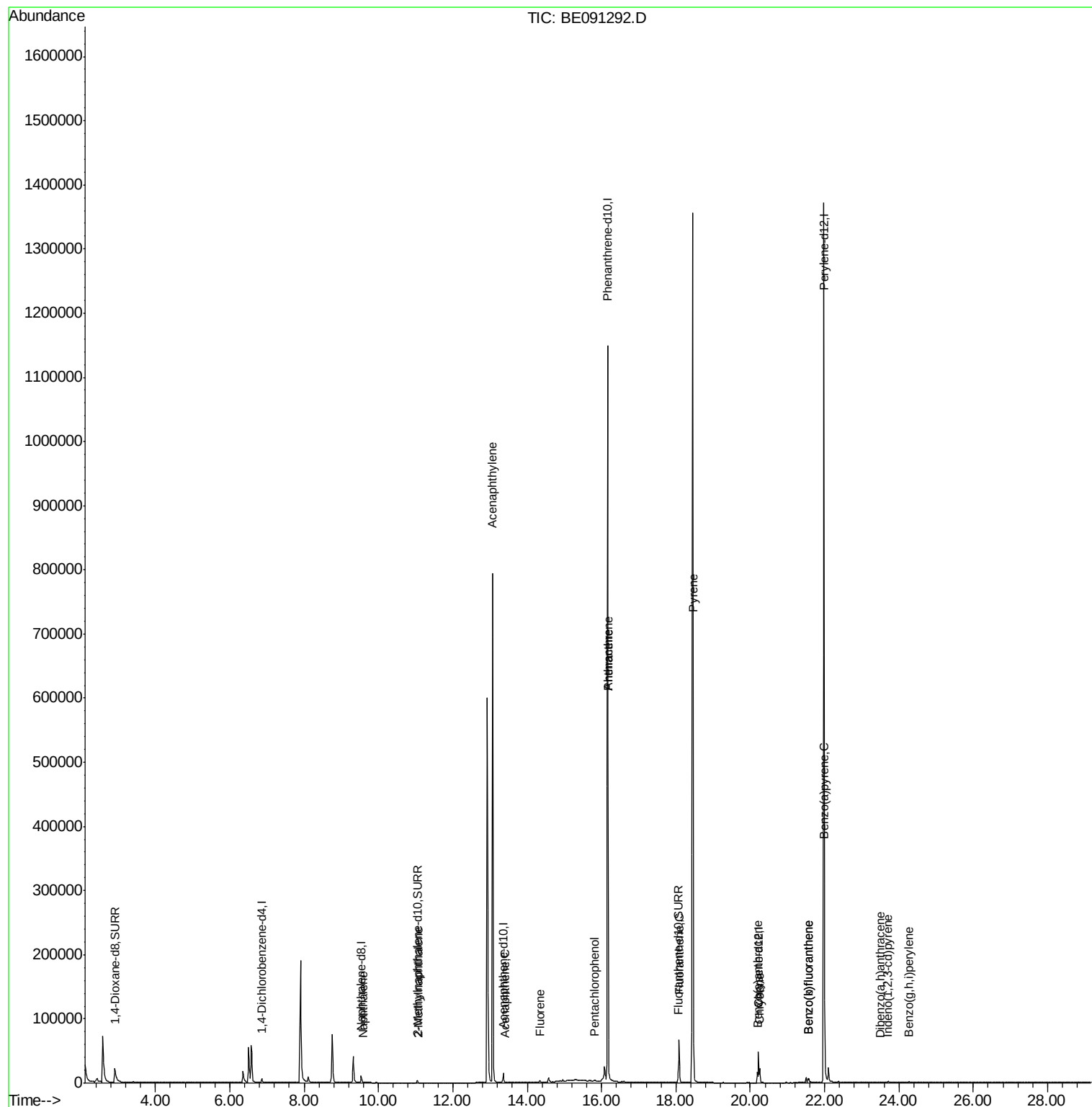
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	9.58	128	65	0.00	ng/ul#	1
7) 2-Methylnaphthalene	11.08	142	8	0.00	ng/ul	100
9) Acenaphthylene	13.07	152	196	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	48	0.00	ng/ul#	70
11) Fluorene	14.34	166	2413	0.07	ng/ul#	18
13) Pentachlorophenol	15.82	266	1327	0.01	ng/ul	95
14) Phenanthrene	16.17	178	12398	0.00	ng/ul#	2
15) Anthracene	16.17	178	12870	0.00	ng/ul#	1
17) Fluoranthene	18.09	202	78631	0.00	ng/ul	88
19) Pyrene	18.47	202	94985	0.19	ng/ul#	76
20) Benzo(a)anthracene	20.20	228	14620	0.13	ng/ul	96
21) Chrysene	20.26	228	19579	0.15	ng/ul	97
23) Benzo(b)fluoranthene	21.56	252	6064	0.00	ng/ul	97
24) Benzo(k)fluoranthene	21.56	252	6064	0.00	ng/ul	98
25) Benzo(a)pyrene	22.01	252	4438	0.00	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.71	276	1344	0.00	ng/ul	95
27) Dibenzo(a,h)anthracene	23.50	278	19	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	24.27	276	1501	0.00	ng/ul#	33

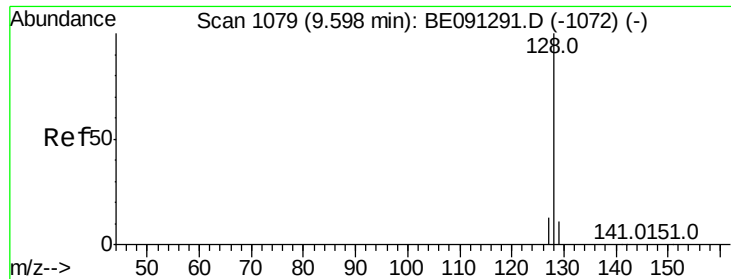
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

Instrument :

BNA_E

ClientSampleId :

SBLK65

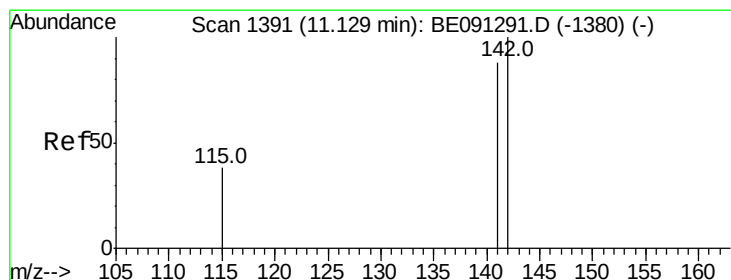
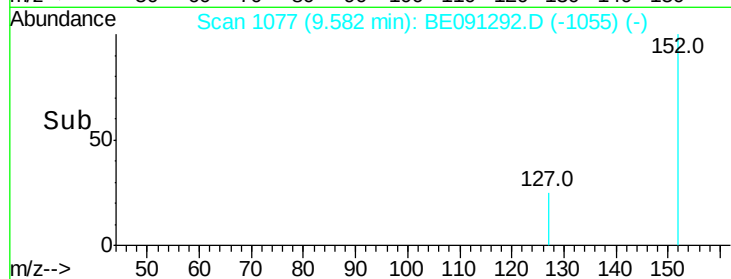
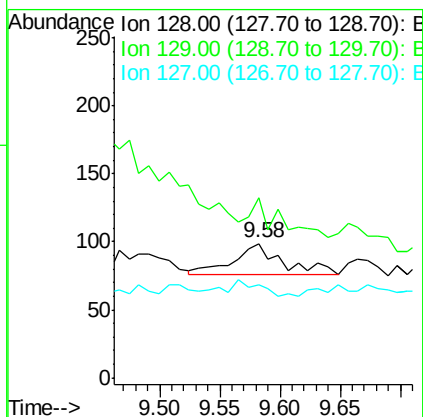
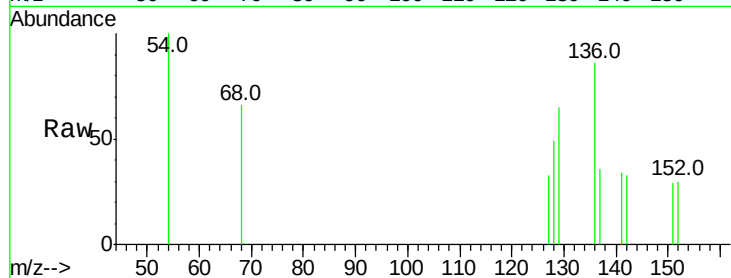
Tot Ion:128 Resp: 65

Ion Ratio Lower Upper

128 100

129 133.3 9.8 14.8#

127 68.7 10.7 16.1#



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.08 min Scan# 1379

Delta R.T. -0.05 min

Lab File: BE091292.D

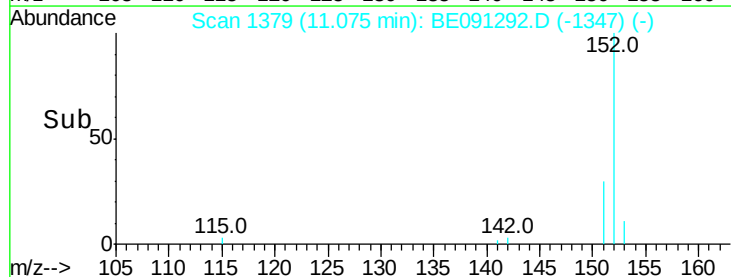
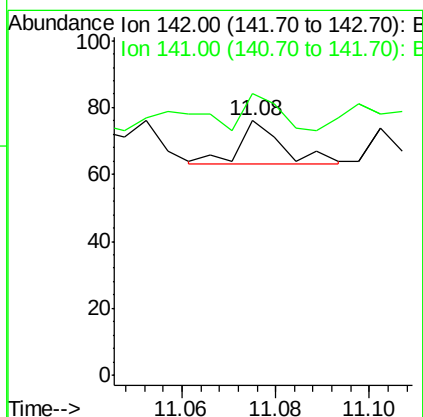
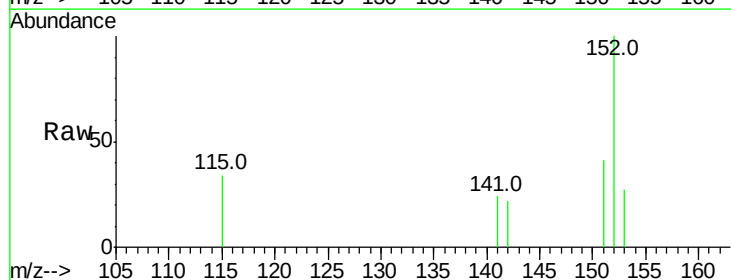
Acq: 22 Nov 2015 10:12

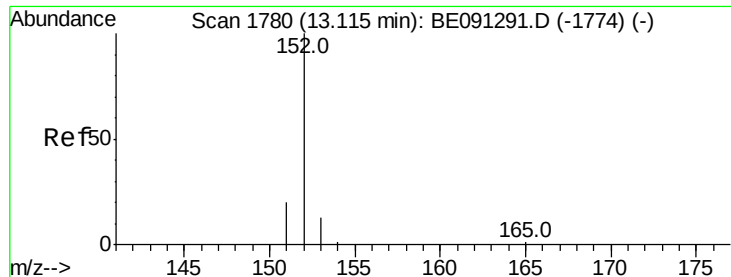
Tgt Ion:142 Resp: 8

Ion Ratio Lower Upper

142 100

141 87.5 70.3 105.5





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.07 min Scan# 1774

Delta R.T. -0.04 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

Instrument :

BNA_E

ClientSampleId :

SBLK65

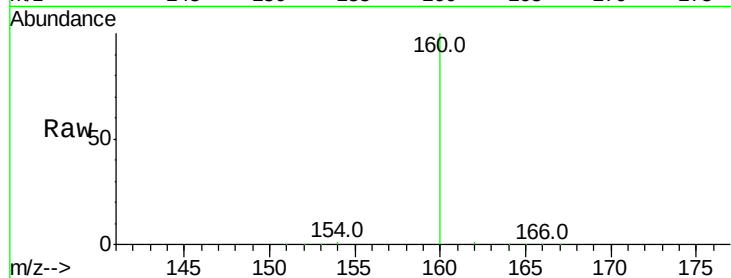
Tot Ion:152 Resp: 196

Ion Ratio Lower Upper

152 100

151 59.0 16.8 25.2#

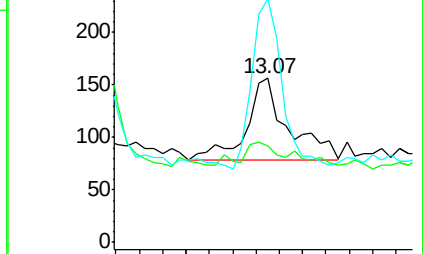
153 148.7 11.3 16.9#



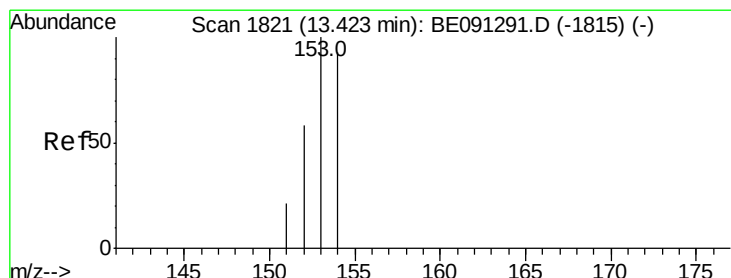
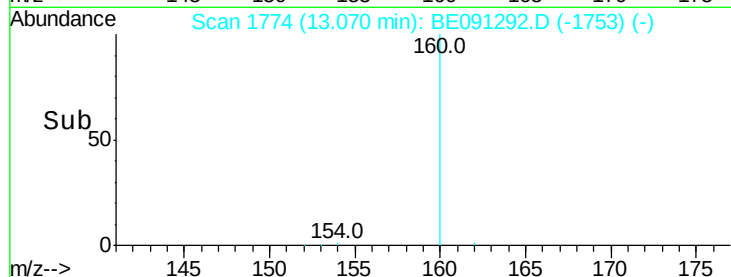
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

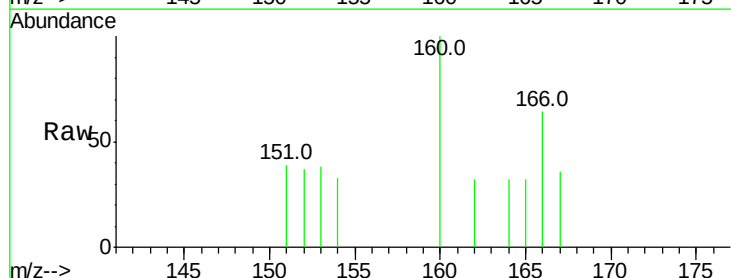
Tgt Ion:153 Resp: 48

Ion Ratio Lower Upper

153 100

152 98.0 42.3 63.5#

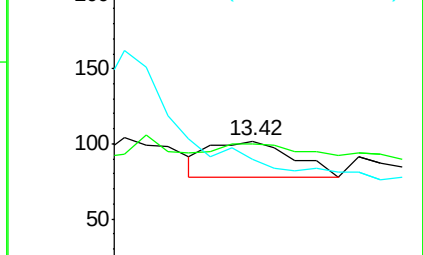
154 88.2 64.7 97.1



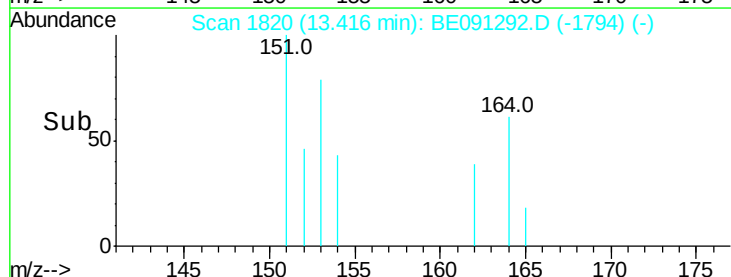
Abundance Ion 153.00 (152.70 to 153.70): E

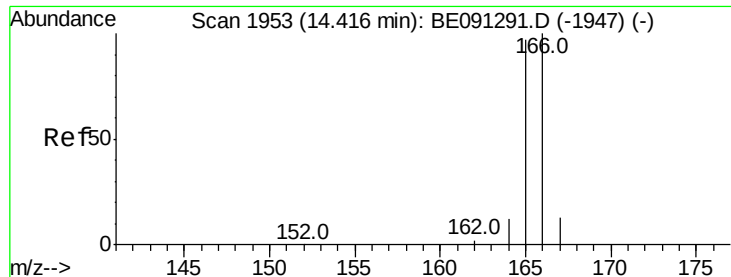
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->





#11

Fluorene

Concen: 0.07 ng/ul

RT: 14.34 min Scan# 1943

Delta R.T. -0.07 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

Instrument :

BNA_E

ClientSampleId :

SBLK65

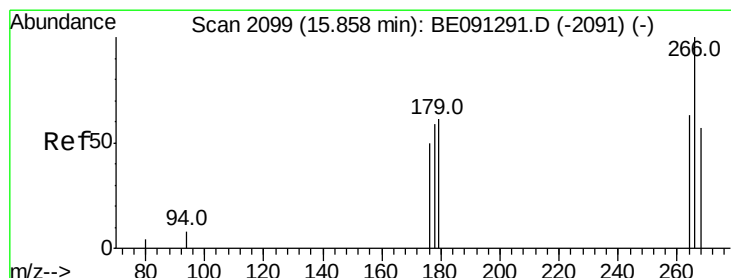
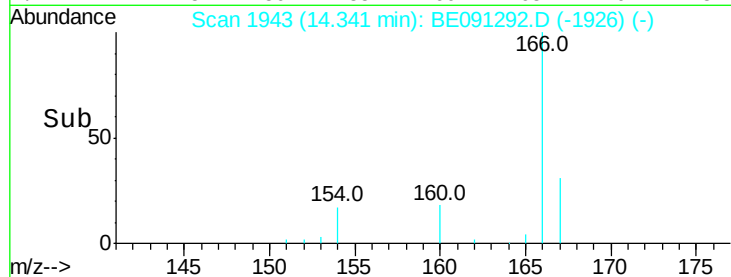
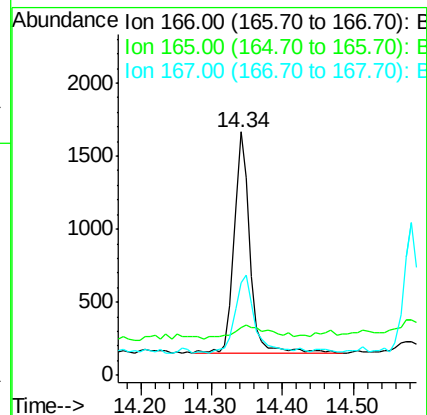
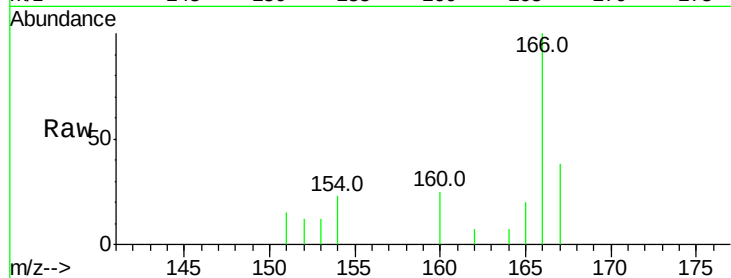
Tot Ion:166 Resp: 2413

Ion Ratio Lower Upper

166 100

165 19.5 87.6 131.4#

167 38.1 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 15.82 min Scan# 2096

Delta R.T. -0.04 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

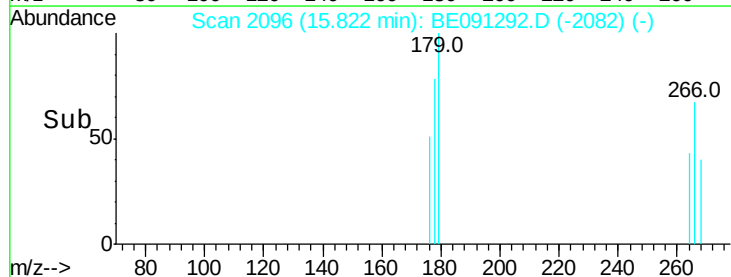
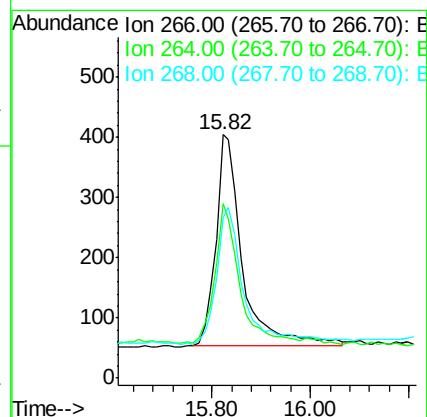
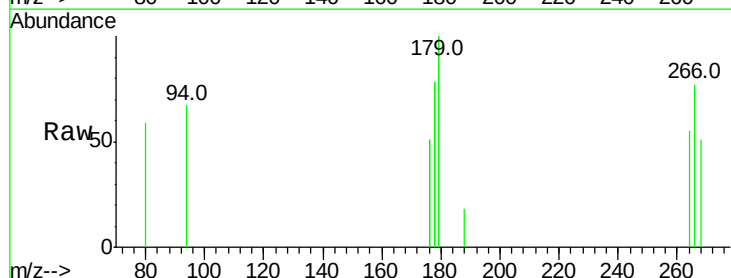
Tgt Ion:266 Resp: 1327

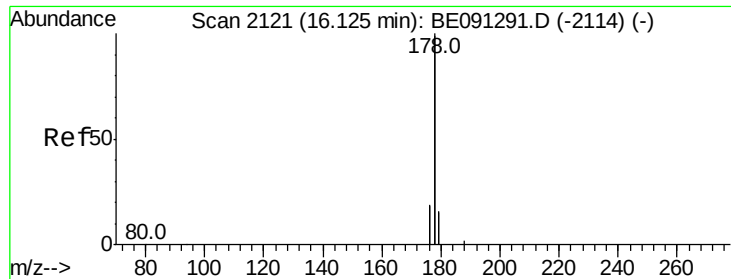
Ion Ratio Lower Upper

266 100

264 58.9 53.5 80.3

268 67.4 54.2 81.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 16.17 min Scan# 2125

Delta R.T. 0.05 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

Instrument :

BNA_E

ClientSampleId :

SBLK65

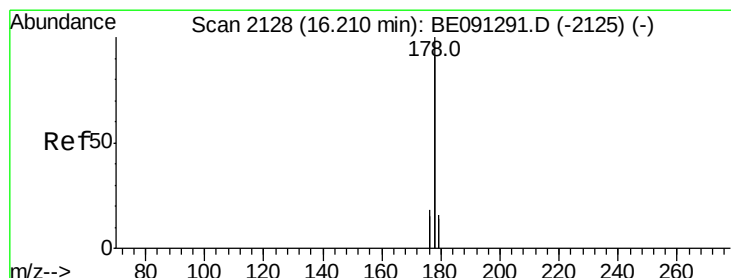
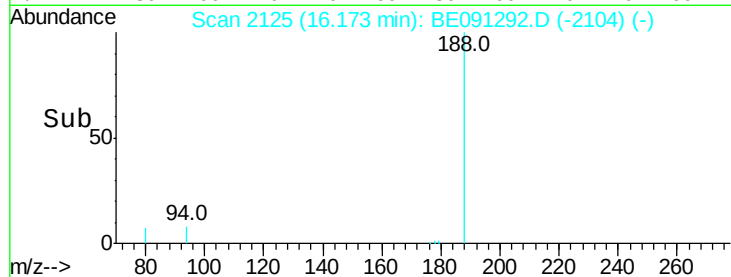
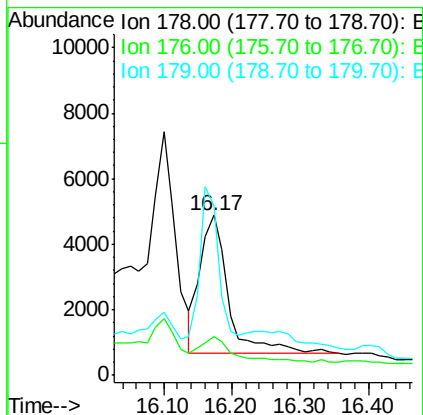
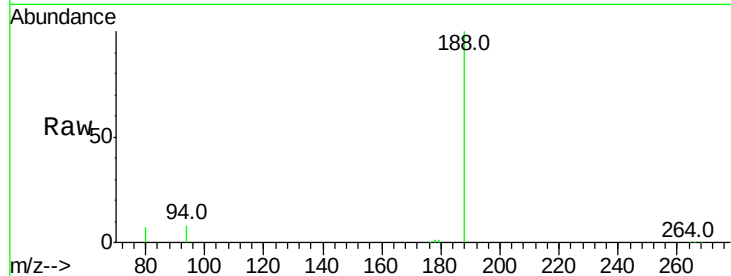
Tot Ion:178 Resp: 12398

Ion Ratio Lower Upper

178 100

176 24.6 16.2 24.4#

179 105.5 12.8 19.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.17 min Scan# 2125

Delta R.T. -0.04 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

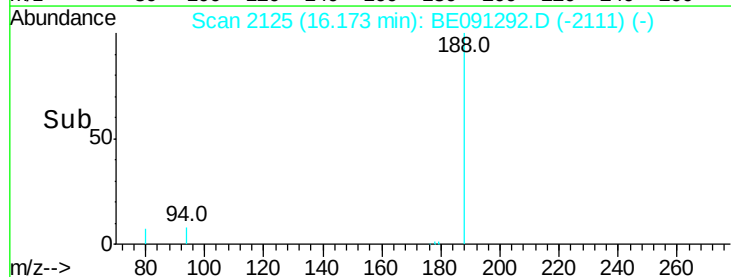
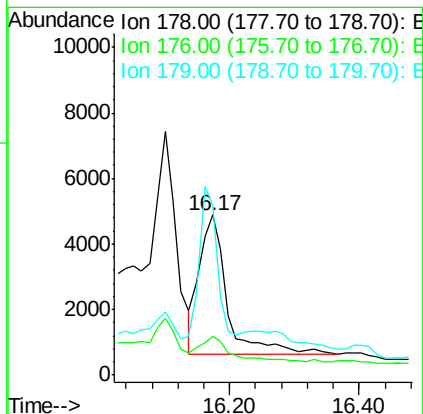
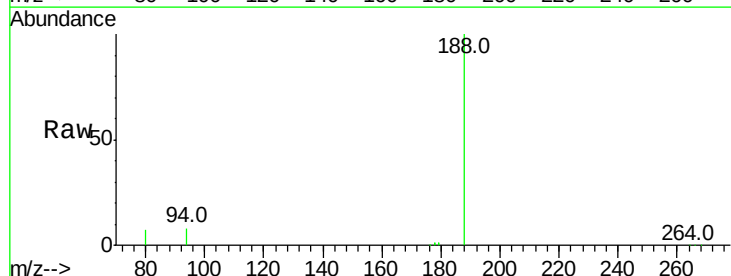
Tgt Ion:178 Resp: 12870

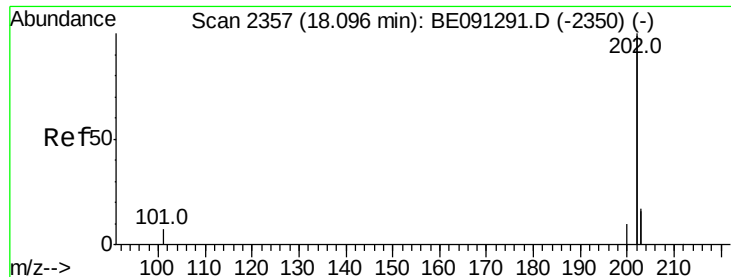
Ion Ratio Lower Upper

178 100

176 24.6 15.8 23.8#

179 105.5 13.3 19.9#





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

Instrument :

BNA_E

ClientSampleId :

SBLK65

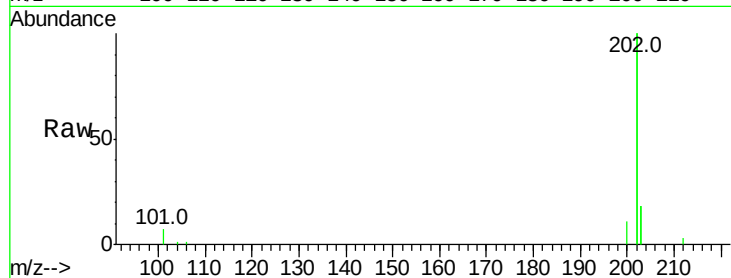
Tot Ion:202 Resp: 78631

Ion Ratio Lower Upper

202 100

101 3.5 0.0 33.1

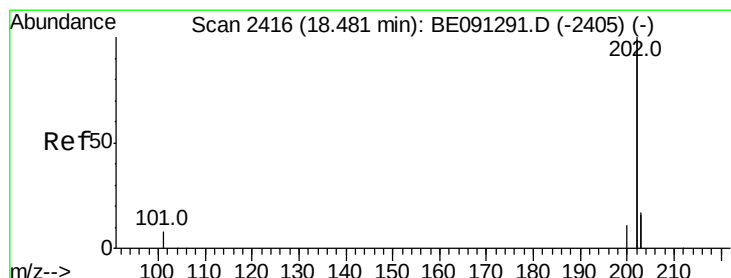
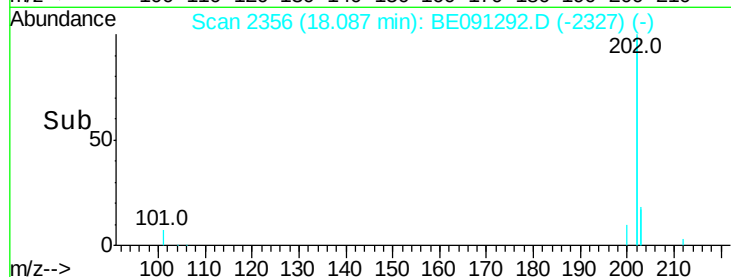
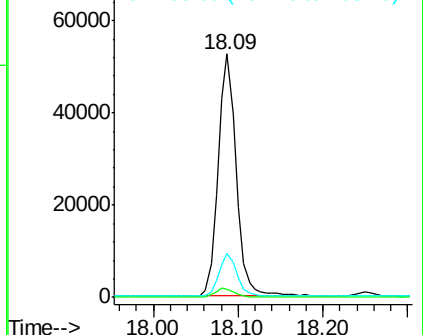
203 18.1 0.0 37.2



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: 0.19 ng/ul

RT: 18.47 min Scan# 2414

Delta R.T. -0.02 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

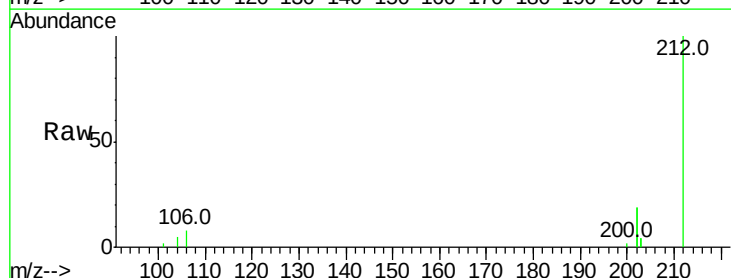
Tgt Ion:202 Resp: 94985

Ion Ratio Lower Upper

202 100

200 5.6 18.0 27.0#

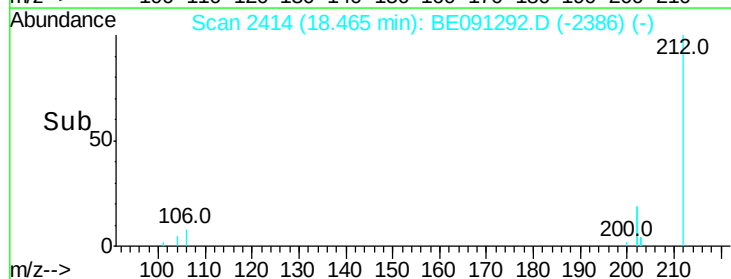
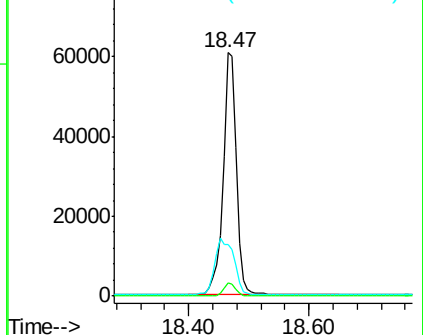
203 21.1 13.8 20.6#

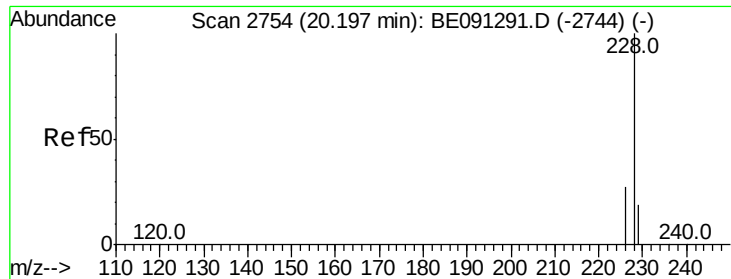


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.13 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

Instrument :

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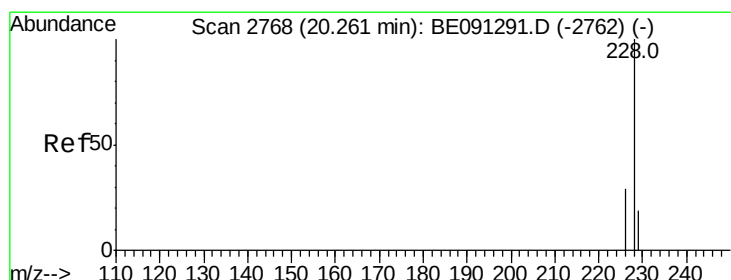
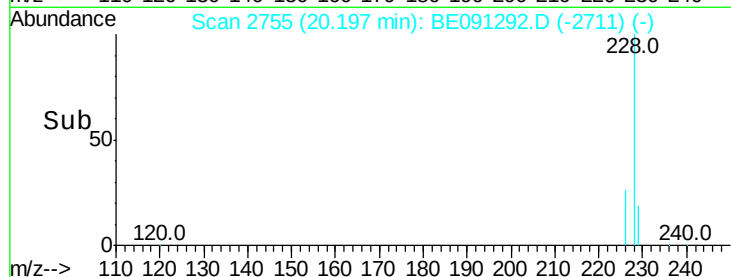
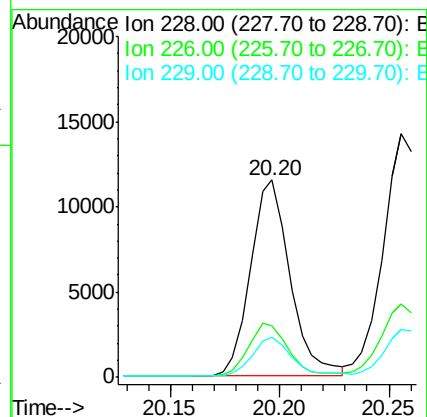
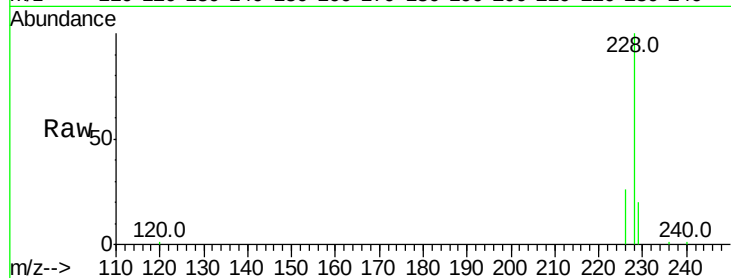
Tot Ion:228 Resp: 14620

Ion Ratio Lower Upper

228 100

226 26.3 23.0 34.4

229 20.1 15.2 22.8



#21

Chrysene

Concen: 0.15 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

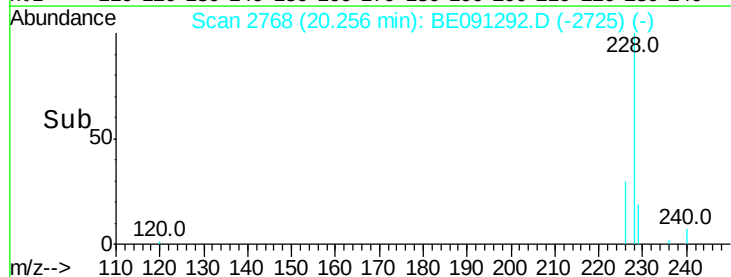
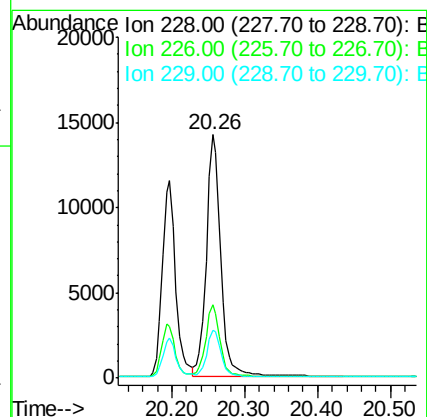
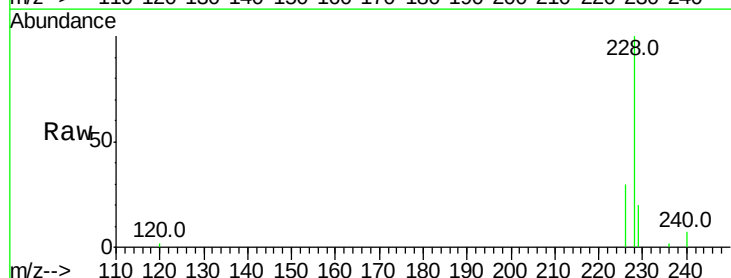
Tgt Ion:228 Resp: 19579

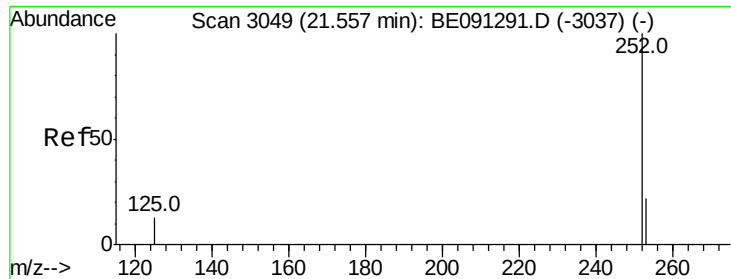
Ion Ratio Lower Upper

228 100

226 30.4 25.7 38.5

229 19.8 15.2 22.8





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

Instrument :

BNA_E

ClientSampleId :

SBLK65

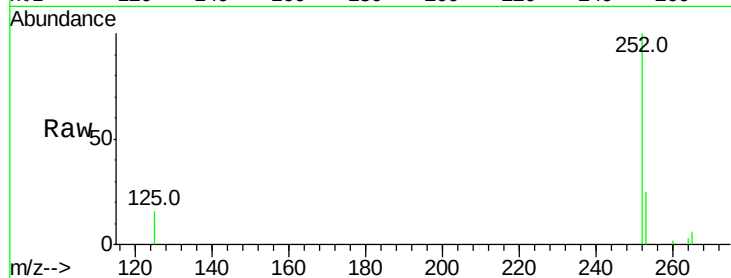
Tot Ion:252 Resp: 6064

Ion Ratio Lower Upper

252 100

253 24.8 0.0 48.0

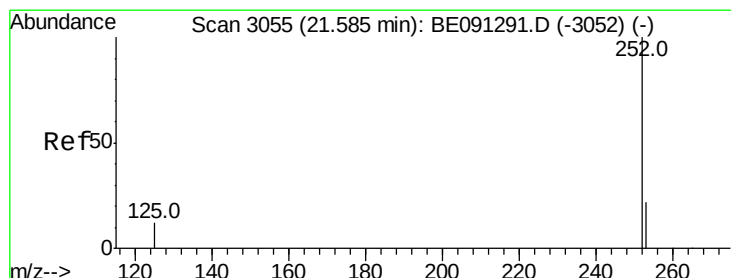
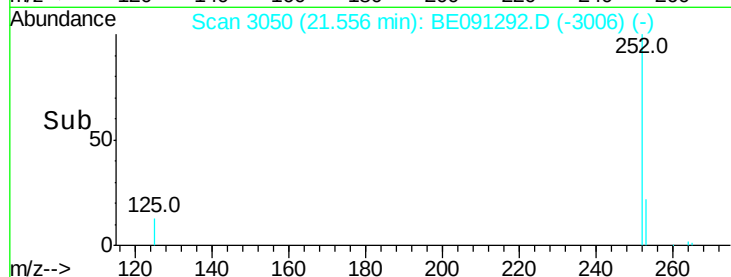
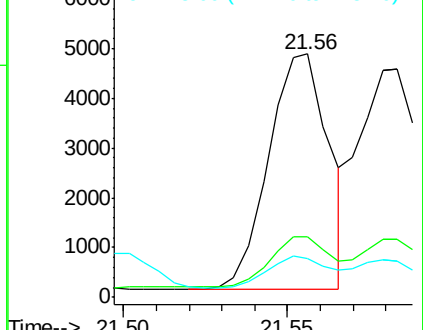
125 16.2 0.0 36.6



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: 0.00 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. -0.03 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

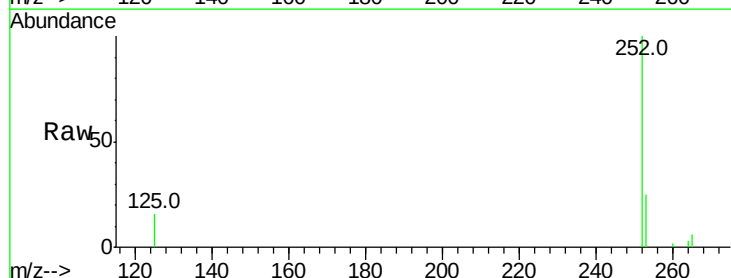
Tgt Ion:252 Resp: 6064

Ion Ratio Lower Upper

252 100

253 24.8 20.8 31.2

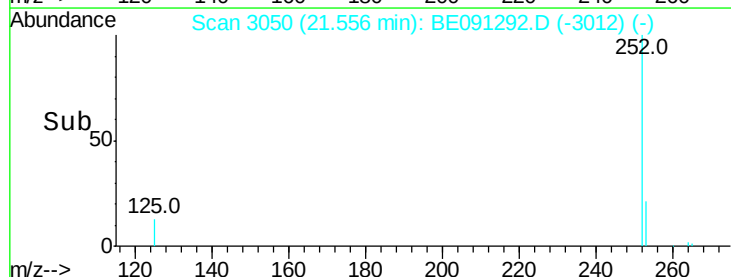
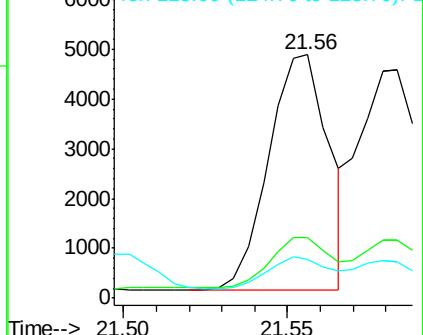
125 16.2 12.2 18.4

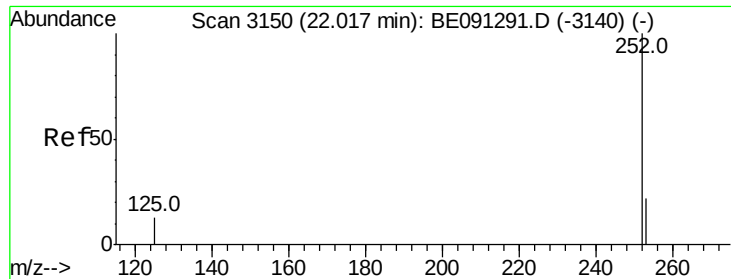


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

Instrument :

BNA_E

ClientSampleId :

SBLK65

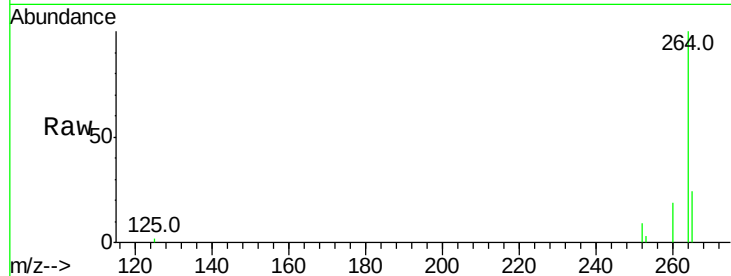
Tot Ion:252 Resp: 4438

Ion Ratio Lower Upper

252 100

253 29.0 21.8 32.8

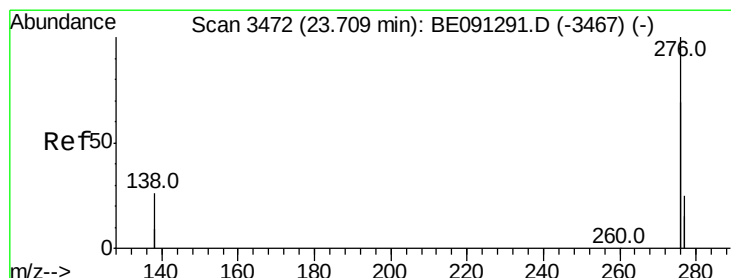
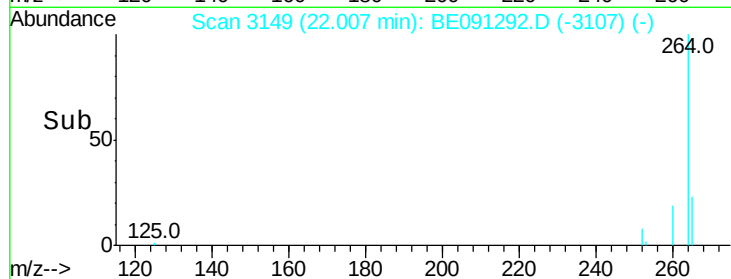
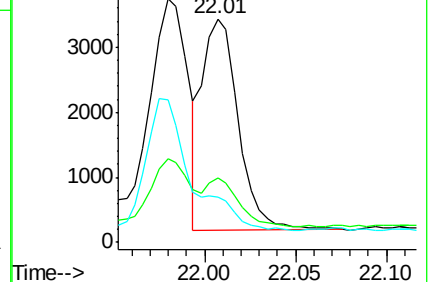
125 20.5 14.5 21.7



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: 0.00 ng/ul

RT: 23.71 min Scan# 3473

Delta R.T. 0.00 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

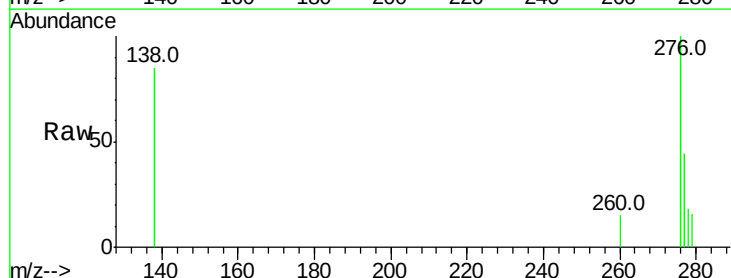
Tgt Ion:276 Resp: 1344

Ion Ratio Lower Upper

276 100

138 29.9 27.5 41.3

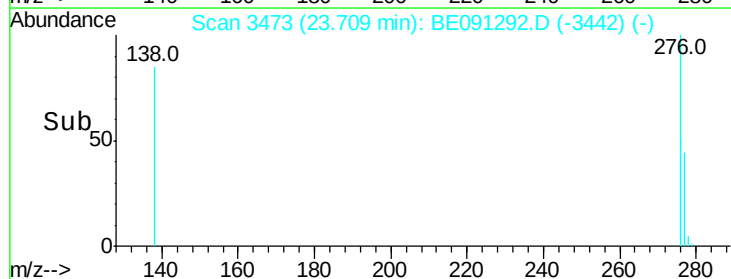
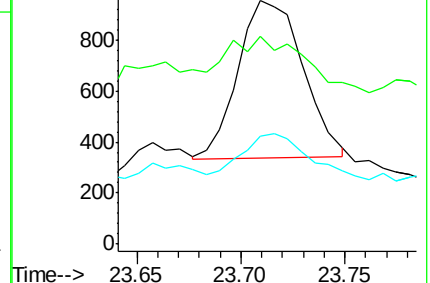
277 24.2 19.3 28.9

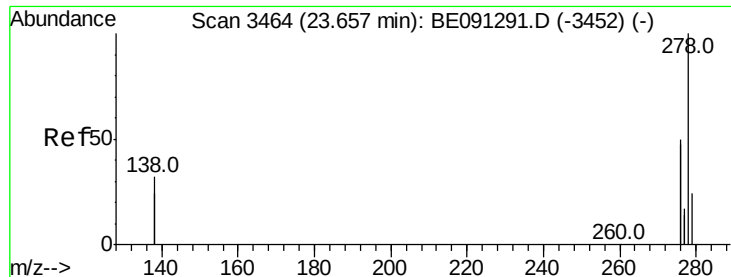


Abundance Ion 276.00 (275.70 to 276.70): E

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: 23.50 min Scan# 3441

Delta R.T. -0.16 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

Instrument :

BNA_E

ClientSampleId :

SBLK65

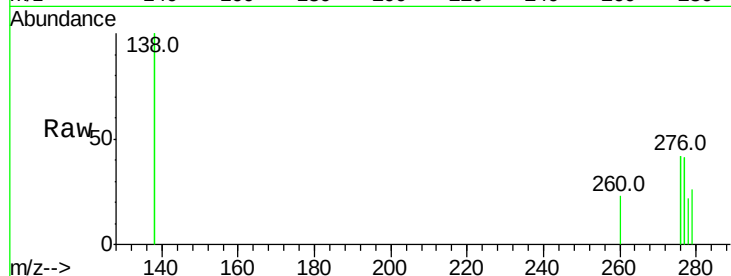
Tot Ion:278 Resp: 19

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

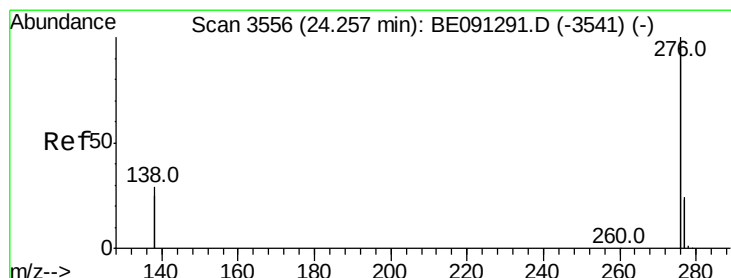
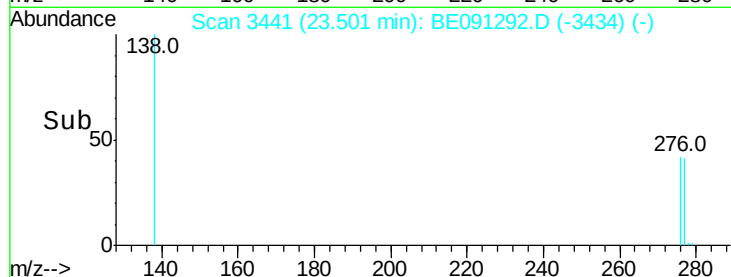
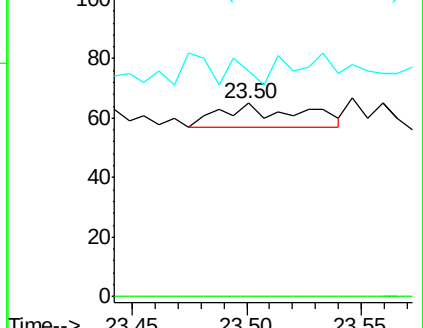
279 116.9 21.9 32.9#



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/ul

RT: 24.27 min Scan# 3559

Delta R.T. 0.01 min

Lab File: BE091292.D

Acq: 22 Nov 2015 10:12

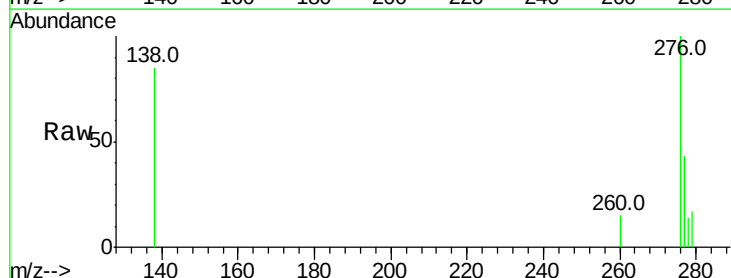
Tgt Ion:276 Resp: 1501

Ion Ratio Lower Upper

276 100

277 43.1 21.3 31.9#

138 85.3 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

