

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091225.D
 Acq On : 18 Nov 2015 13:29
 Operator : UM/NP
 Sample : G4309-06
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KP4

Quant Time: Nov 19 04:28:36 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 04:25:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	4133	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	20971	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	11464	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.17	188	1887672	0.40	ng/ul	0.08
18) Chrysene-d12	20.23	240	47017	0.40	ng/ul	0.00
22) Perylene-d12	21.99	264	2534646	0.40	ng/ul	-0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.97	96	25647	8.63	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	7761	0.27	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	28292	0.01	ng/ul	0.00

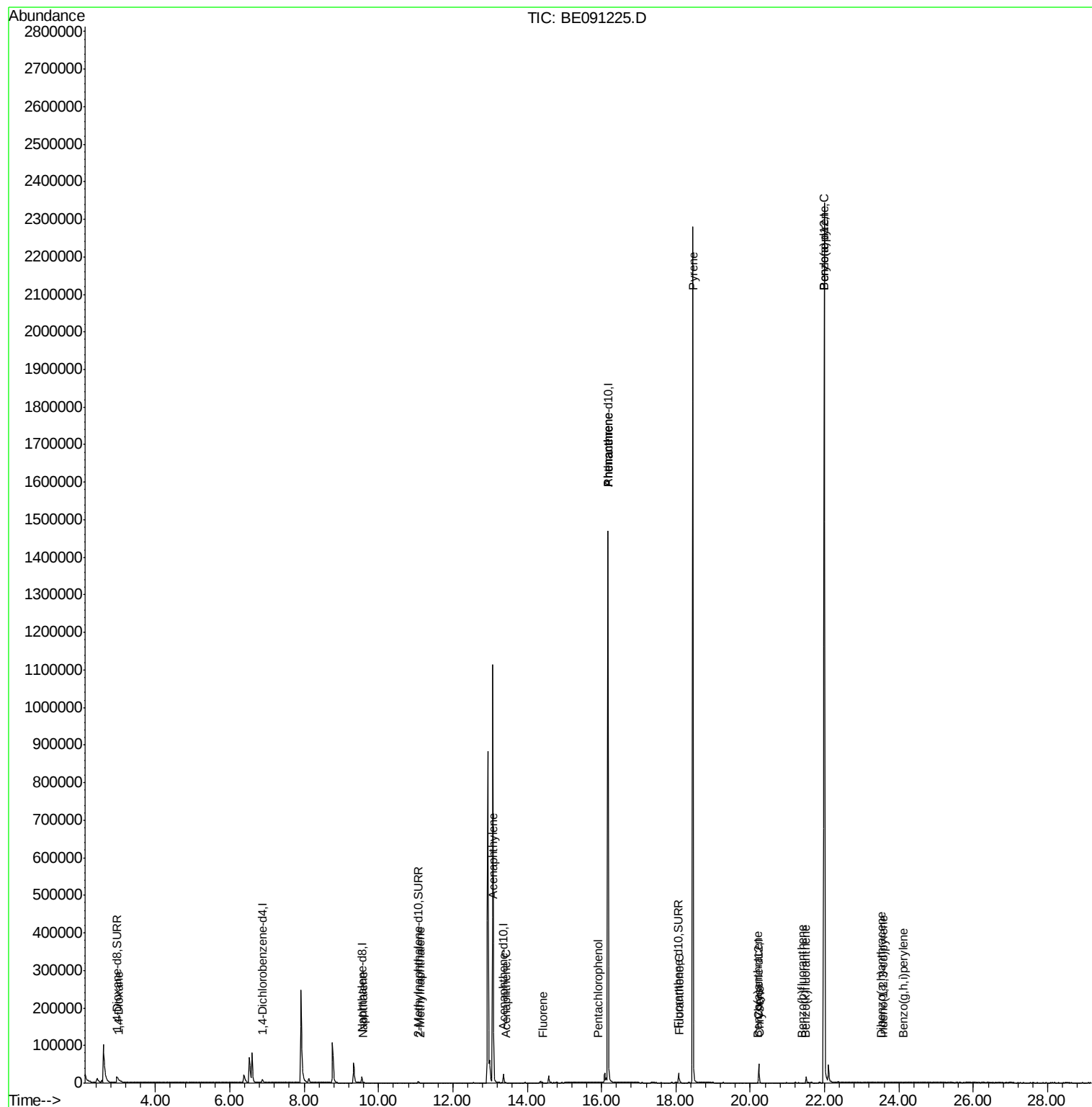
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.01	88	160	0.05	ng/ul#	29
5) Naphthalene	9.59	128	2488	0.05	ng/ul#	86
7) 2-Methylnaphthalene	11.14	142	265	0.01	ng/ul	94
9) Acenaphthylene	13.10	152	454	0.01	ng/ul#	34
10) Acenaphthene	13.42	153	246	0.01	ng/ul#	79
11) Fluorene	14.41	166	476	0.01	ng/ul#	91
13) Pentachlorophenol	15.92	266	6	0.00	ng/ul#	1
14) Phenanthrene	16.17	178	6178	0.00	ng/ul#	1
15) Anthracene	16.17	178	6016	0.00	ng/ul#	1
17) Fluoranthene	18.10	202	6779	0.00	ng/ul	84
19) Pyrene	18.45	202	19257	0.04	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	101	0.00	ng/ul#	25
21) Chrysene	20.26	228	234	0.00	ng/ul#	52
23) Benzo(b)fluoranthene	21.40	252	22	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.48	252	19	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.99	252	9720	0.00	ng/ul#	74
26) Indeno(1,2,3-cd)pyrene	23.56	276	119	0.00	ng/ul#	63
27) Dibenzo(a,h)anthracene	23.53	278	9	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.12	276	31	0.00	ng/ul#	1

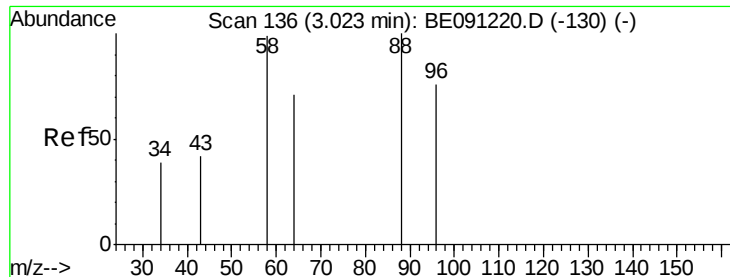
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.05 ng/ul

RT: 3.01 min Scan# 134

Delta R.T. -0.01 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

Instrument :

BNA_E

ClientSampled :

D9KP4

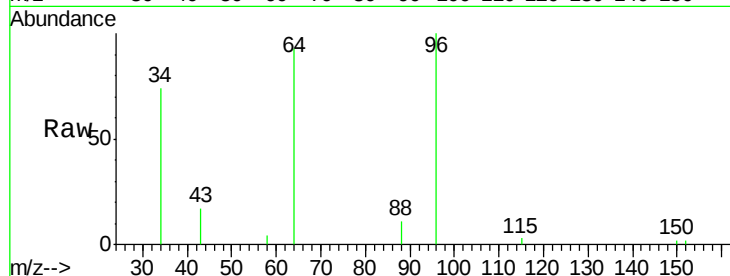
Tgt Ion: 88 Resp: 160

Ion Ratio Lower Upper

88 100

58 133.1 55.4 83.2#

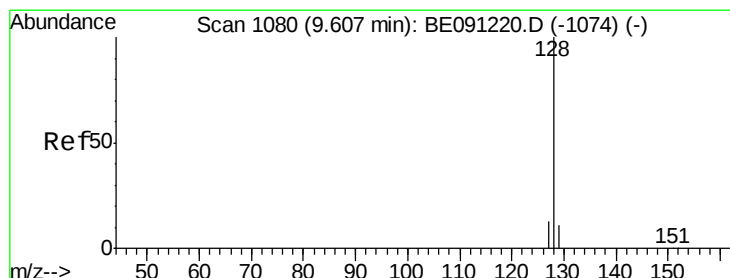
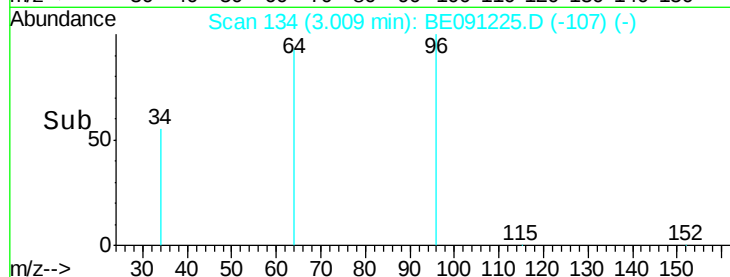
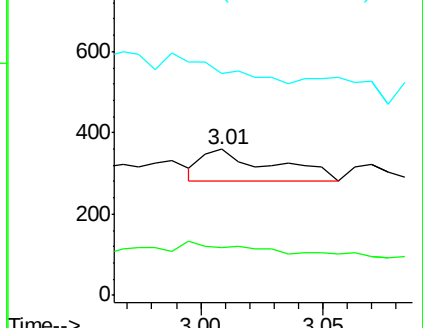
43 0.0 24.2 36.2#



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: 0.05 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

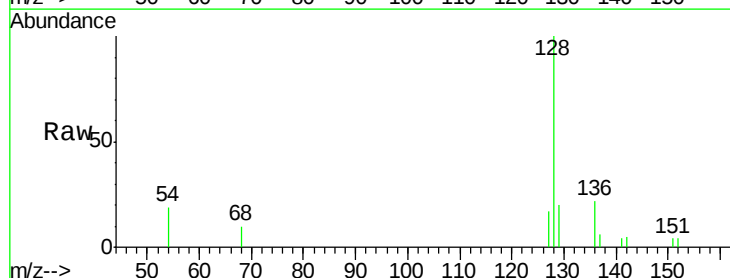
Tgt Ion: 128 Resp: 2488

Ion Ratio Lower Upper

128 100

129 20.1 9.8 14.8#

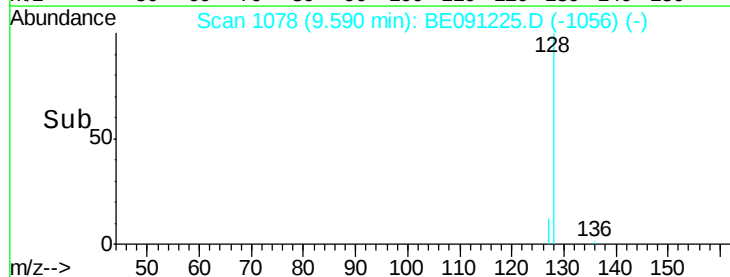
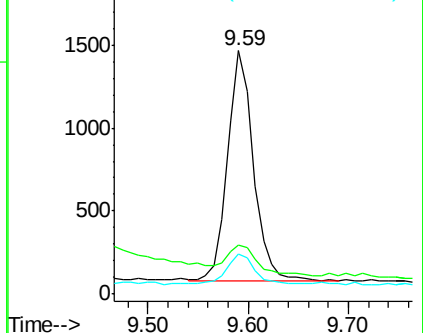
127 16.7 10.7 16.1#

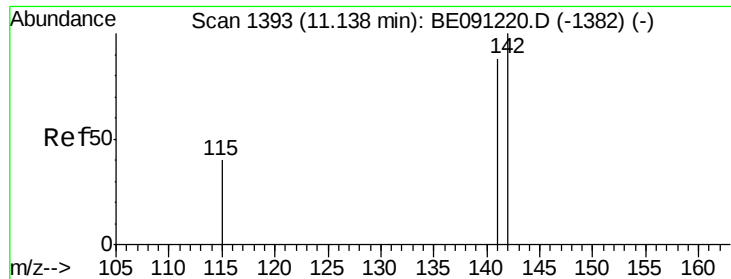


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 11.14 min Scan# 1394

Delta R.T. 0.01 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

Instrument :

BNA_E

ClientSampleId :

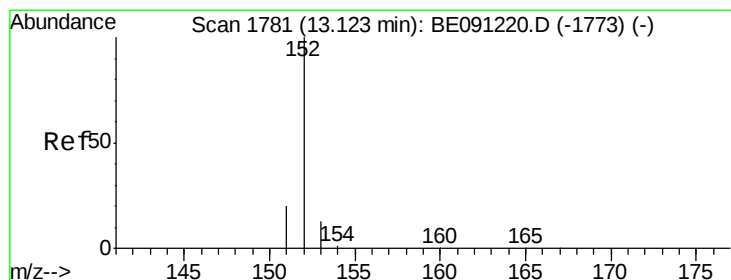
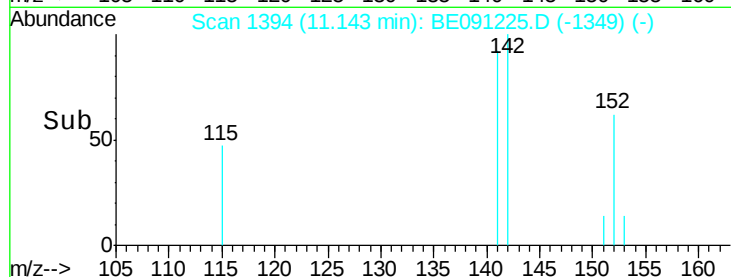
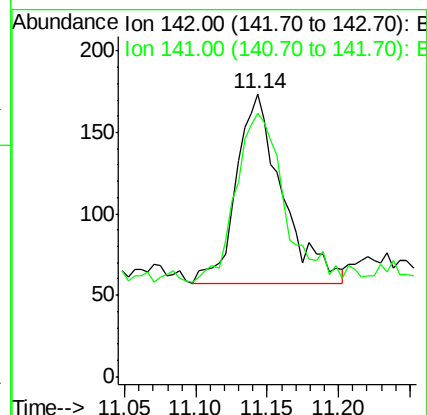
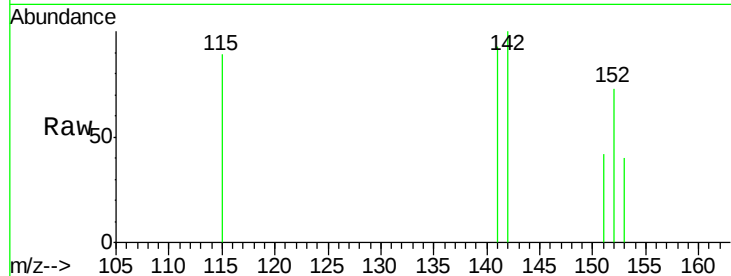
D9KP4

Tgt Ion:142 Resp: 265

Ion Ratio Lower Upper

142 100

141 93.2 70.3 105.5



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 13.10 min Scan# 1778

Delta R.T. -0.02 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

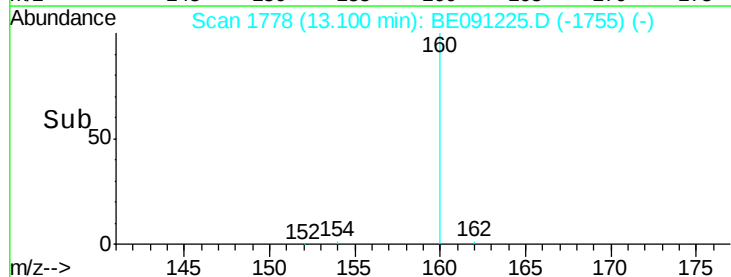
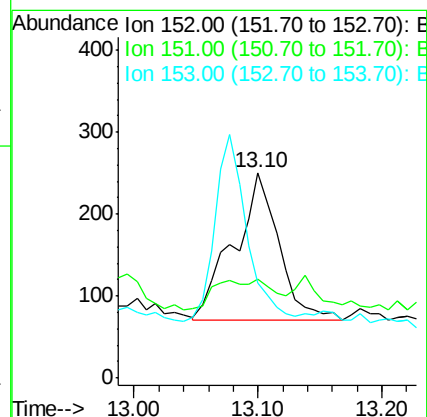
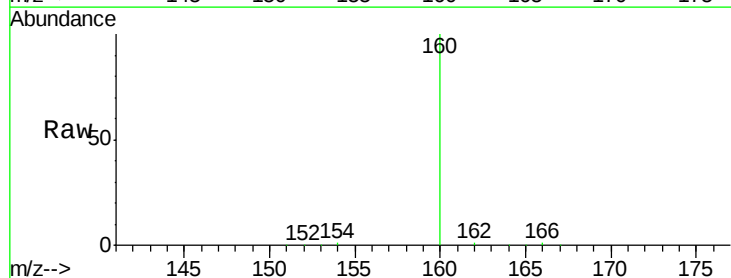
Tgt Ion:152 Resp: 454

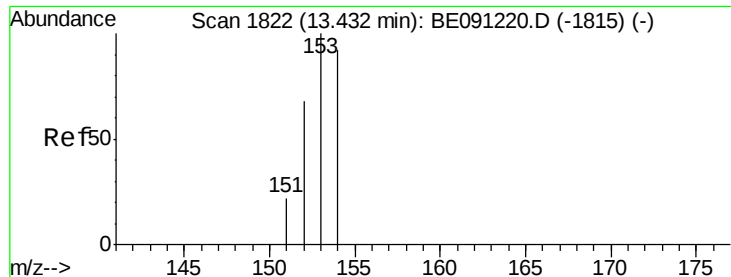
Ion Ratio Lower Upper

152 100

151 47.8 16.8 25.2#

153 46.2 11.3 16.9#





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

Instrument :

BNA_E

ClientSampleId :

D9KP4

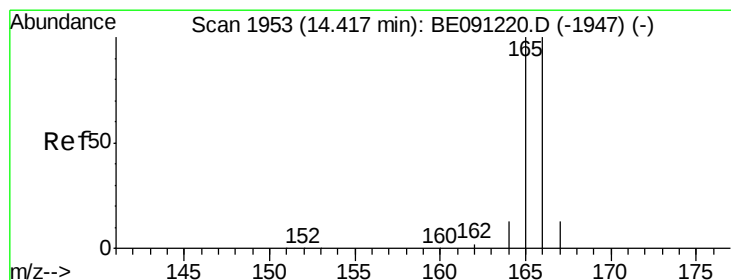
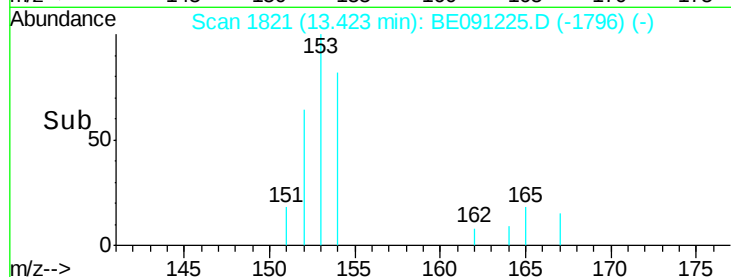
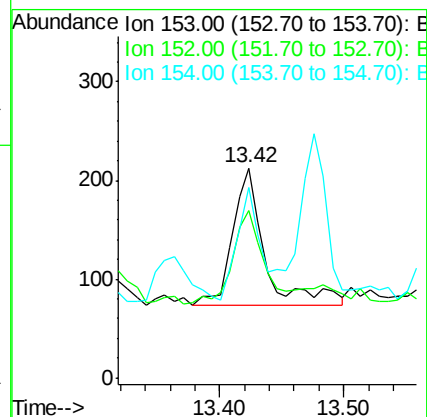
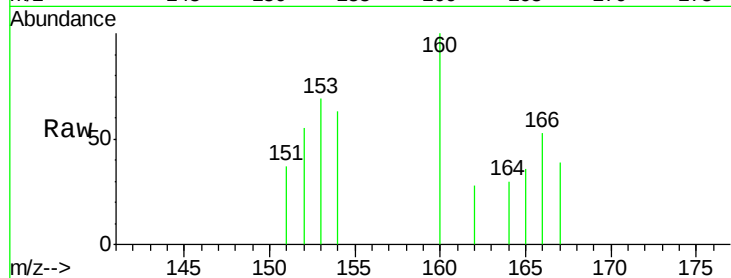
Tgt Ion:153 Resp: 246

Ion Ratio Lower Upper

153 100

152 79.3 42.3 63.5#

154 90.6 64.7 97.1



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

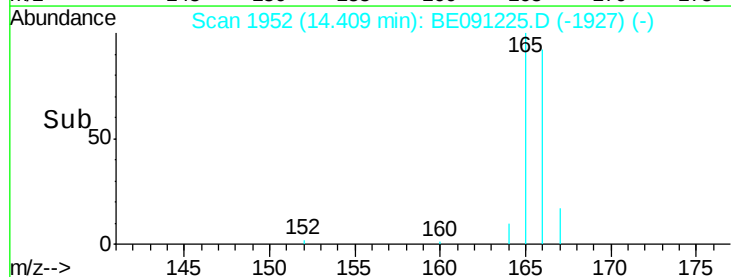
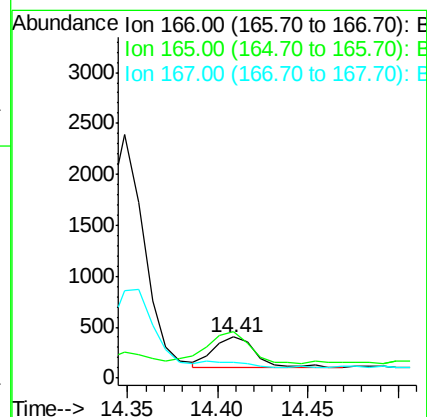
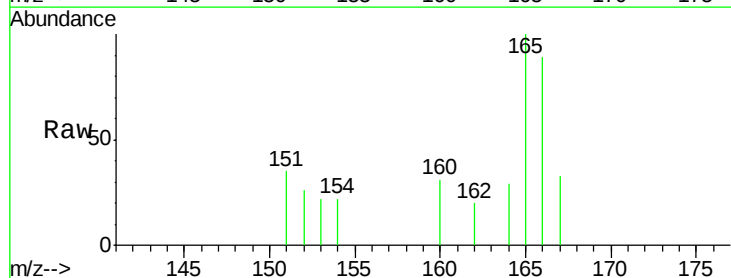
Tgt Ion:166 Resp: 476

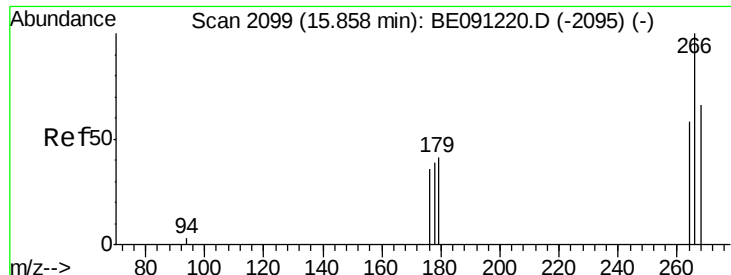
Ion Ratio Lower Upper

166 100

165 112.4 87.6 131.4

167 37.1 11.1 16.7#

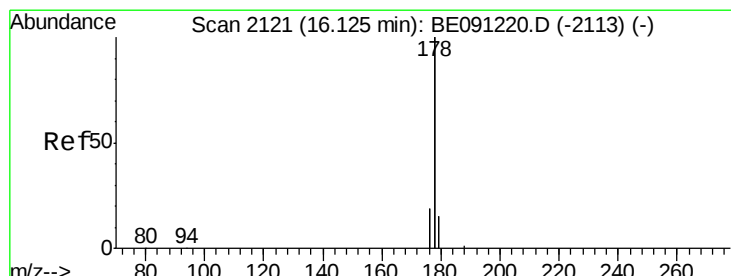
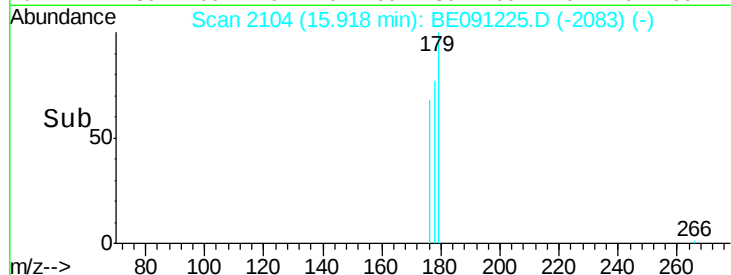
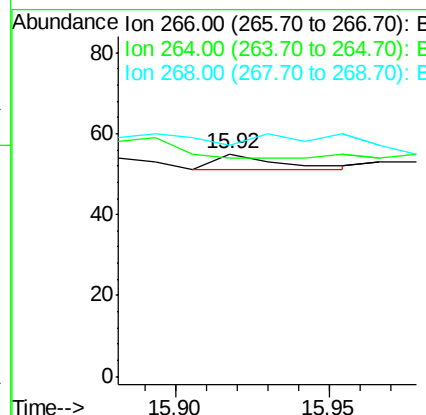
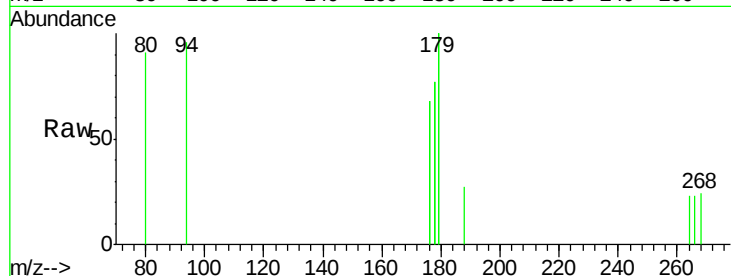




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.92 min Scan# 2104
 Delta R.T. 0.06 min
 Lab File: BE091225.D
 Acq: 18 Nov 2015 13:29

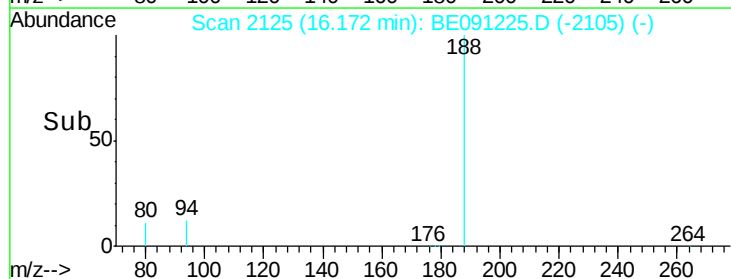
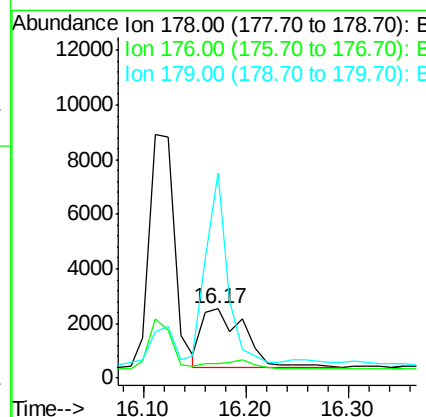
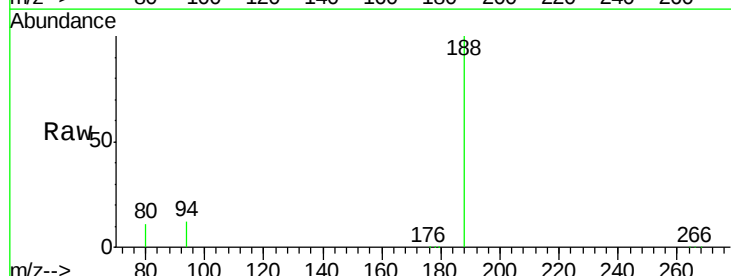
Instrument :
 BNA_E
 ClientSampleId :
 D9KP4

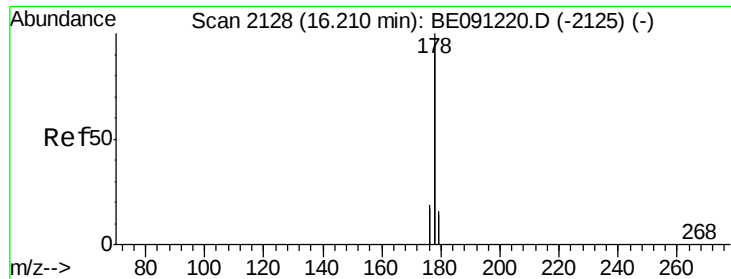
Tgt Ion: 266 Resp: 6
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 183.3 54.2 81.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.17 min Scan# 2125
 Delta R.T. 0.05 min
 Lab File: BE091225.D
 Acq: 18 Nov 2015 13:29

Tgt Ion: 178 Resp: 6178
 Ion Ratio Lower Upper
 178 100
 176 20.7 16.2 24.4
 179 297.1 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: BE091225.D

Acq: 18 Nov 2015 13:29

Instrument :

BNA_E

ClientSampleId :

D9KP4

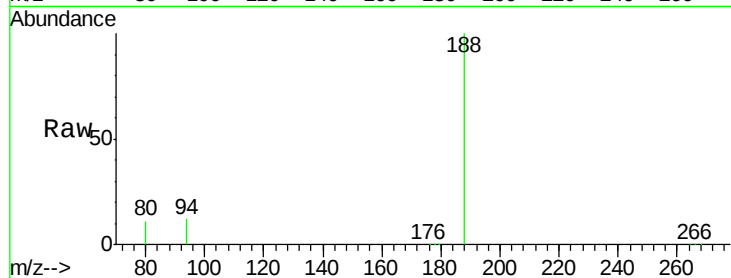
Tgt Ion:178 Resp: 6016

Ion Ratio Lower Upper

178 100

176 20.7 15.8 23.8

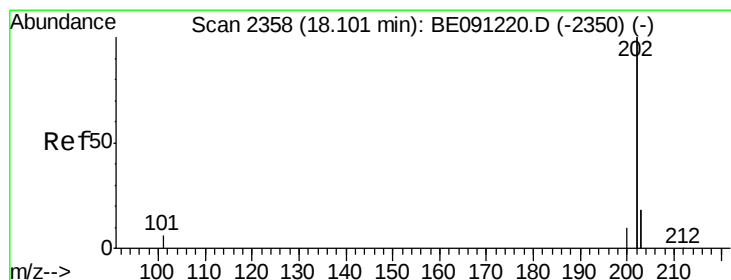
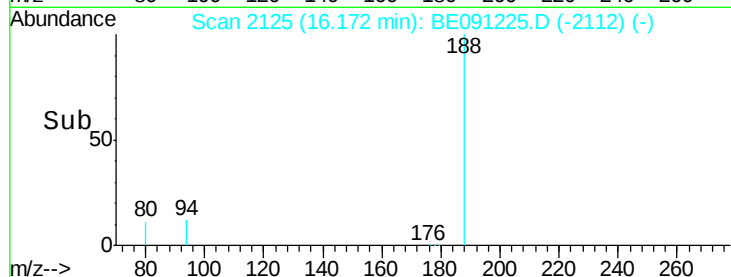
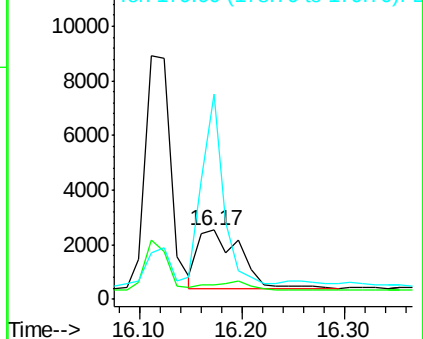
179 297.1 13.3 19.9#



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: 0.00 ng/ul

RT: 18.10 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

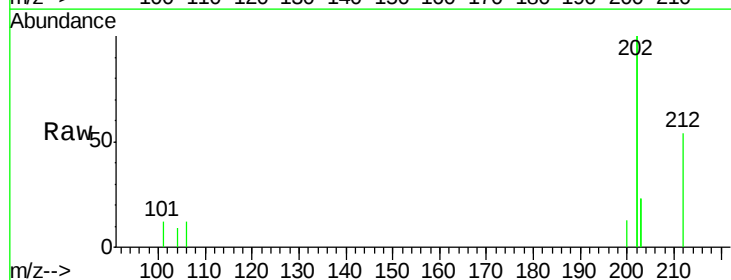
Tgt Ion:202 Resp: 6779

Ion Ratio Lower Upper

202 100

101 5.8 0.0 33.1

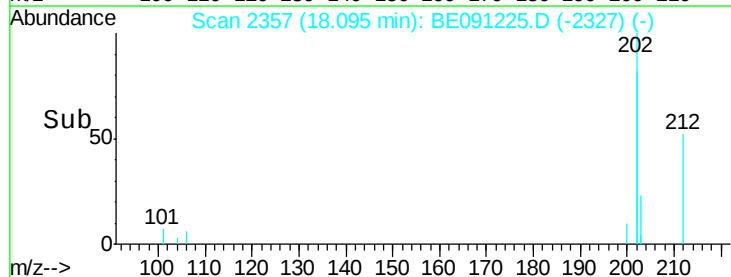
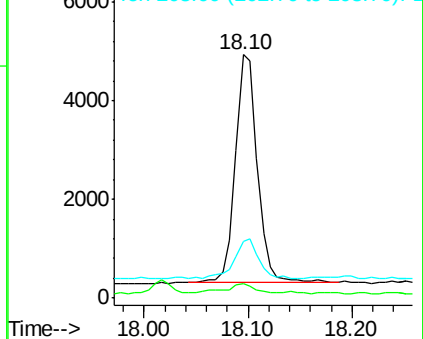
203 23.3 0.0 37.2

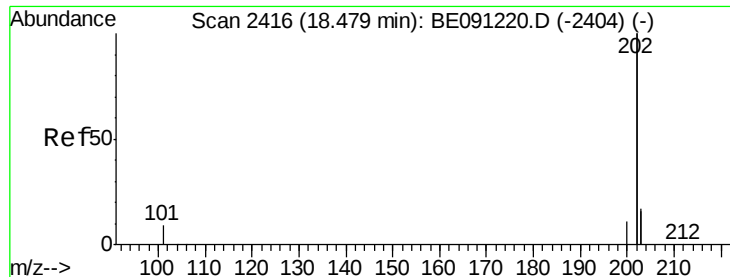


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.04 ng/ul

RT: 18.45 min Scan# 2412

Delta R.T. -0.03 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

Instrument :

BNA_E

ClientSampleId :

D9KP4

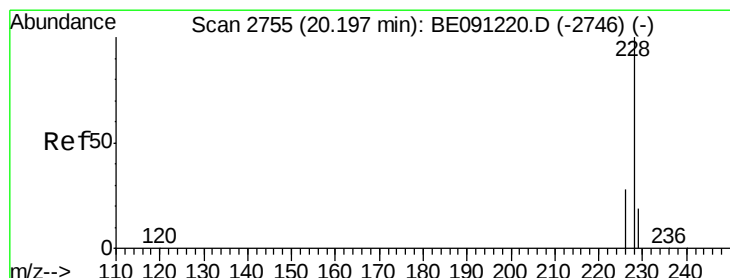
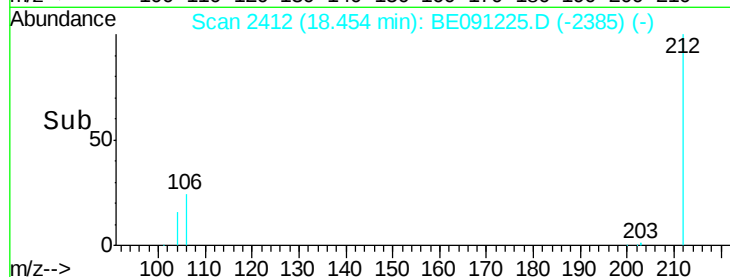
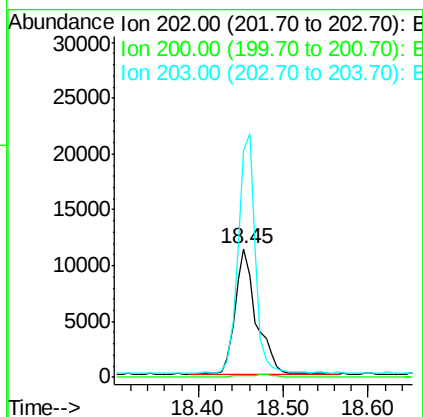
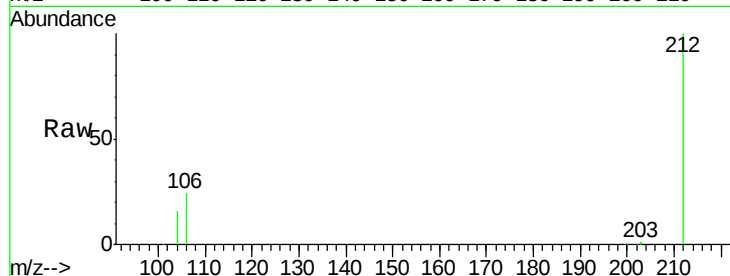
Tgt Ion:202 Resp: 19257

Ion Ratio Lower Upper

202 100

200 1.5 18.0 27.0#

203 176.4 13.8 20.6#



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

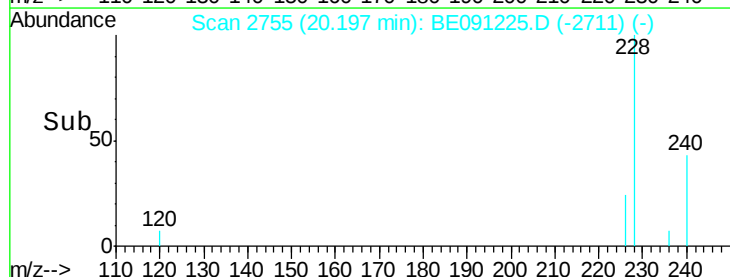
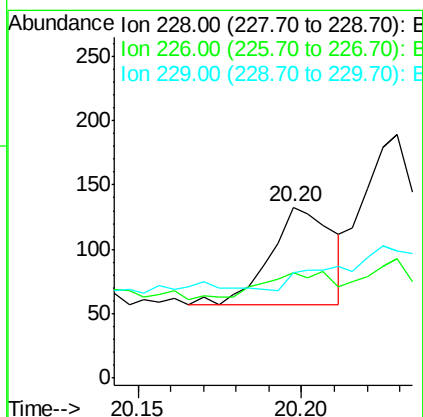
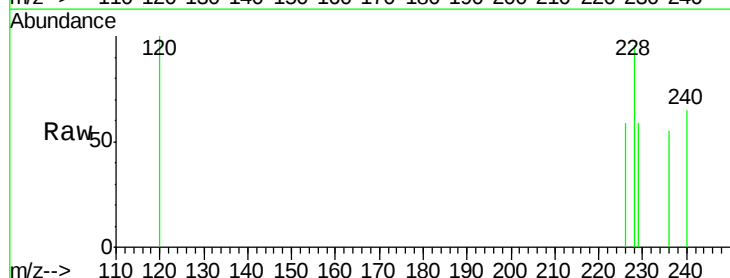
Tgt Ion:228 Resp: 101

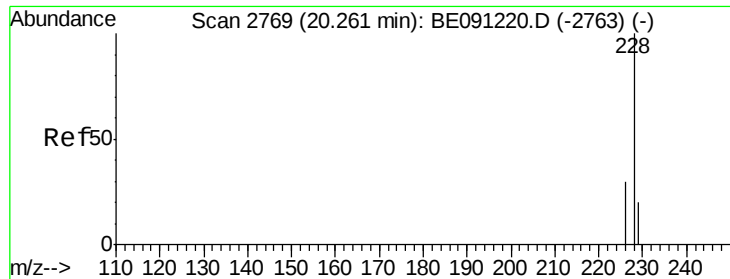
Ion Ratio Lower Upper

228 100

226 61.7 23.0 34.4#

229 61.7 15.2 22.8#





#21

Chrysene

Concen: 0.00 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

Instrument :

BNA_E

ClientSampleId :

D9KP4

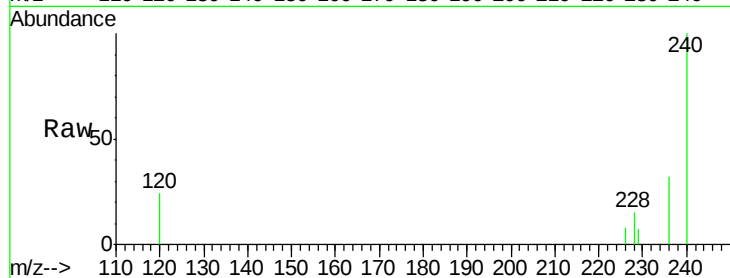
Tgt Ion:228 Resp: 234

Ion Ratio Lower Upper

228 100

226 54.8 25.7 38.5#

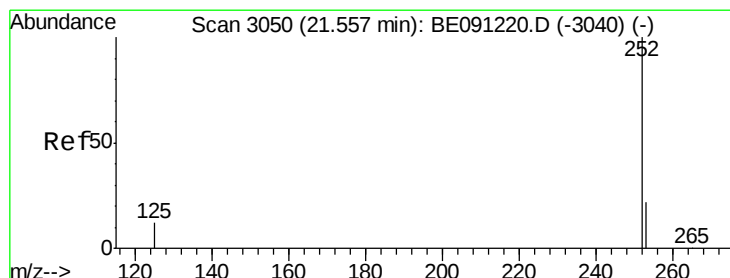
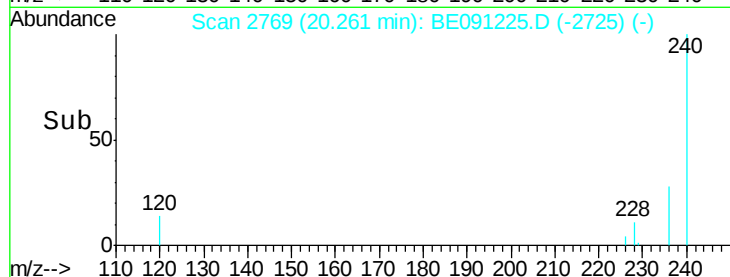
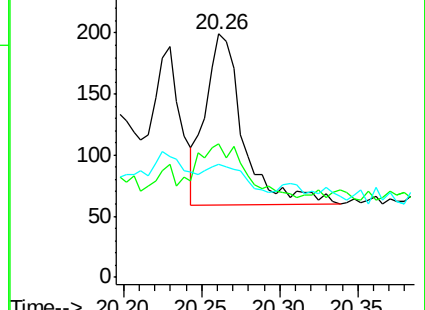
229 46.7 15.2 22.8#



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: 0.00 ng/ul

RT: 21.40 min Scan# 3016

Delta R.T. -0.15 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

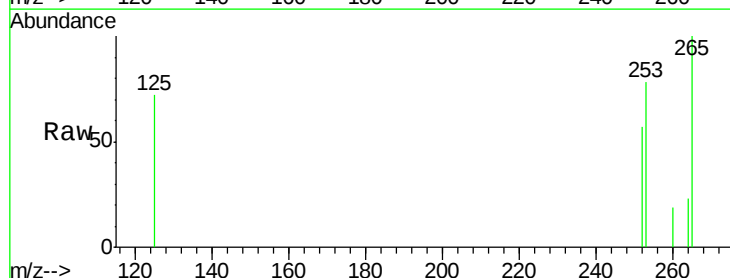
Tgt Ion:252 Resp: 22

Ion Ratio Lower Upper

252 100

253 137.0 0.0 48.0#

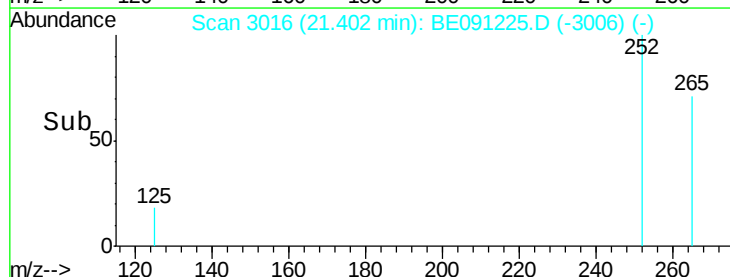
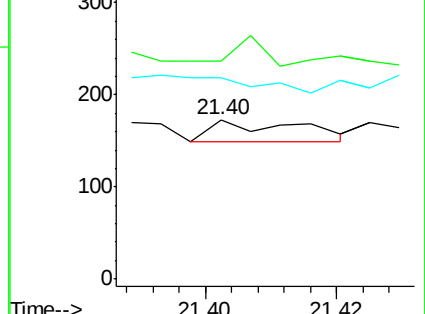
125 126.6 0.0 36.6#

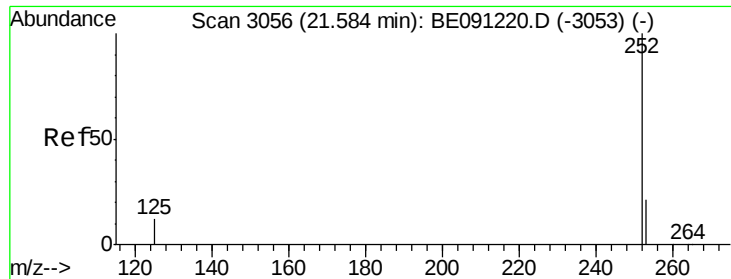


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 21.48 min Scan# 3032

Delta R.T. -0.11 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

Instrument :

BNA_E

ClientSampleId :

D9KP4

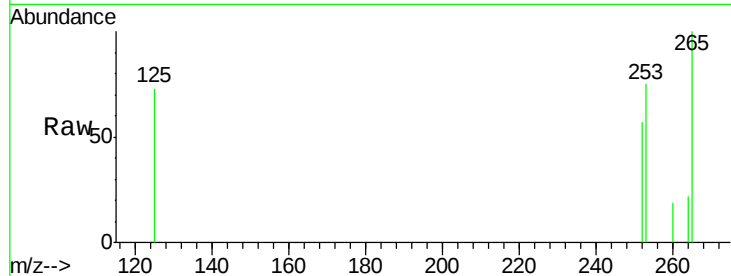
Tgt Ion:252 Resp: 19

Ion Ratio Lower Upper

252 100

253 131.4 20.8 31.2#

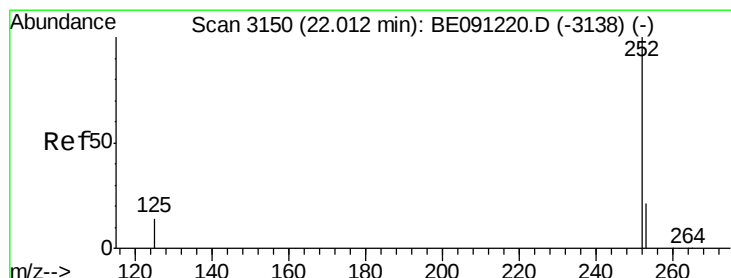
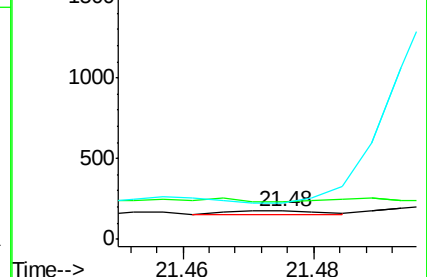
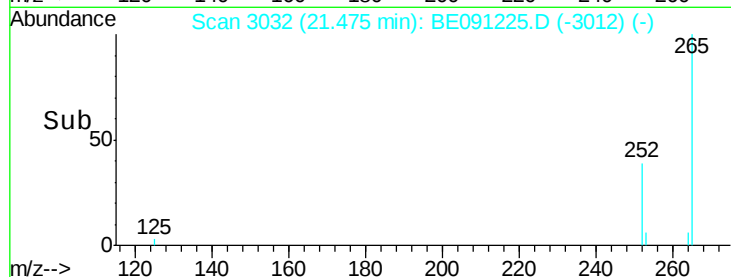
125 128.0 12.2 18.4#



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: 0.00 ng/u1

RT: 21.99 min Scan# 3145

Delta R.T. -0.02 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

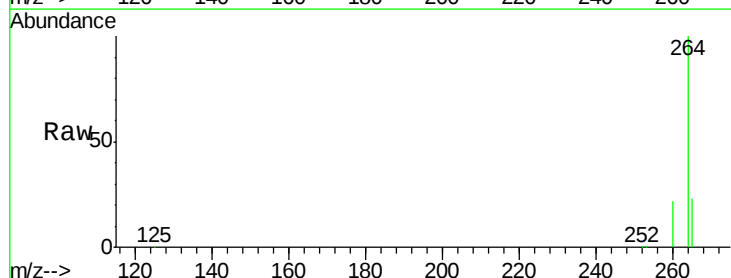
Tgt Ion:252 Resp: 9720

Ion Ratio Lower Upper

252 100

253 31.7 21.8 32.8

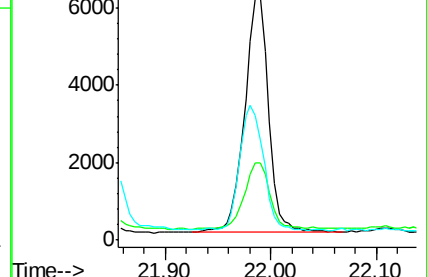
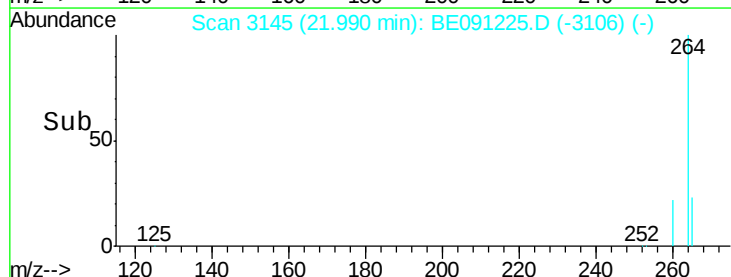
125 41.0 14.5 21.7#

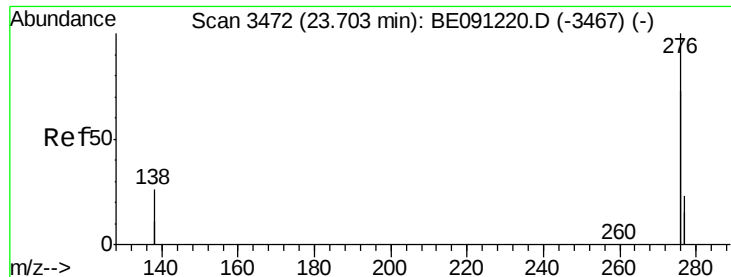


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.56 min Scan# 3450

Delta R.T. -0.14 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

Instrument :

BNA_E

ClientSampleId :

D9KP4

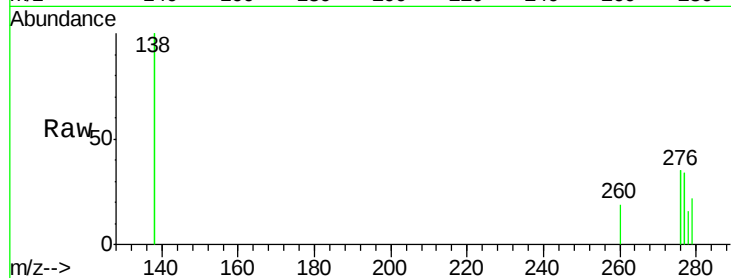
Tgt Ion:276 Resp: 119

Ion Ratio Lower Upper

276 100

138 66.4 27.5 41.3#

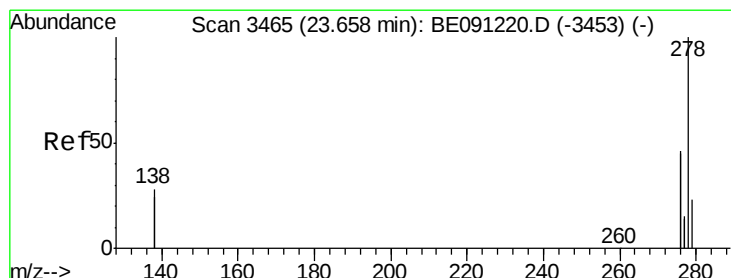
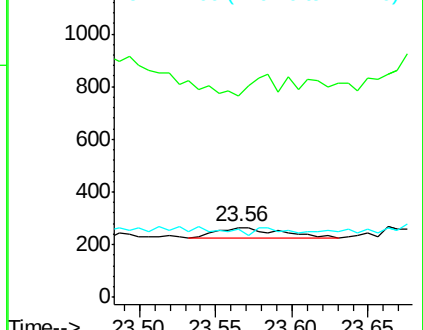
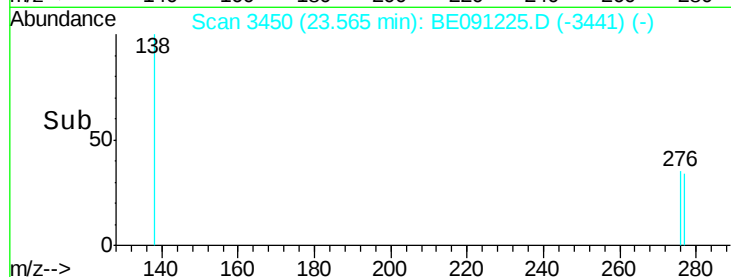
277 29.4 19.3 28.9#



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: 23.53 min Scan# 3444

Delta R.T. -0.13 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

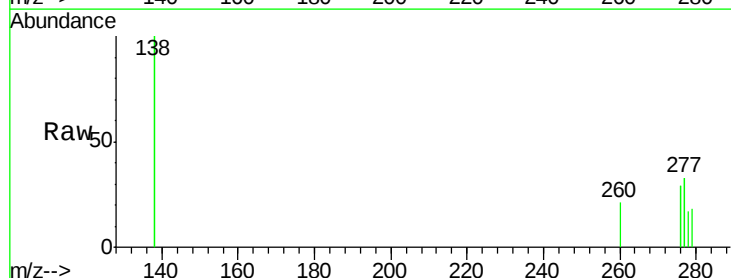
Tgt Ion:278 Resp: 9

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

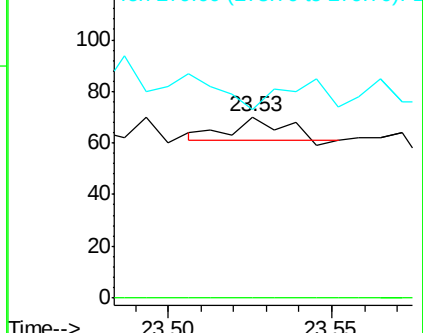
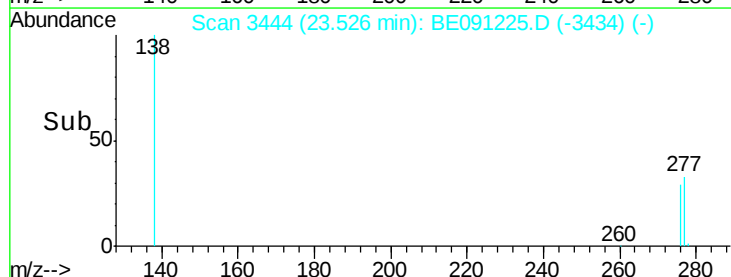
279 104.3 21.9 32.9#

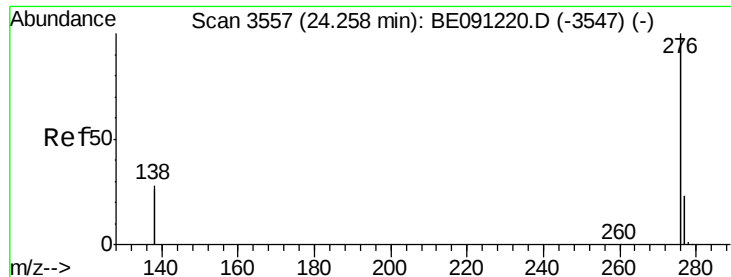


Abundance Ion 278.00 (277.70 to 278.70): E

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: 24.12 min Scan# 3535

Delta R.T. -0.14 min

Lab File: BE091225.D

Acq: 18 Nov 2015 13:29

Instrument :

BNA_E

ClientSampleId :

D9KP4

Tgt Ion: 276 Resp: 31

Ion Ratio Lower Upper

276 100

277 100.8 21.3 31.9#

138 322.3 25.5 38.3#

