

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091056.D
 Acq On : 27 Oct 2015 19:35
 Operator : UM/NP
 Sample : G4075-12RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JG9J0

Quant Time: Oct 28 04:00:20 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 : Wed Oct 28 03:57:22 2015
 Response via : Initial Calibration

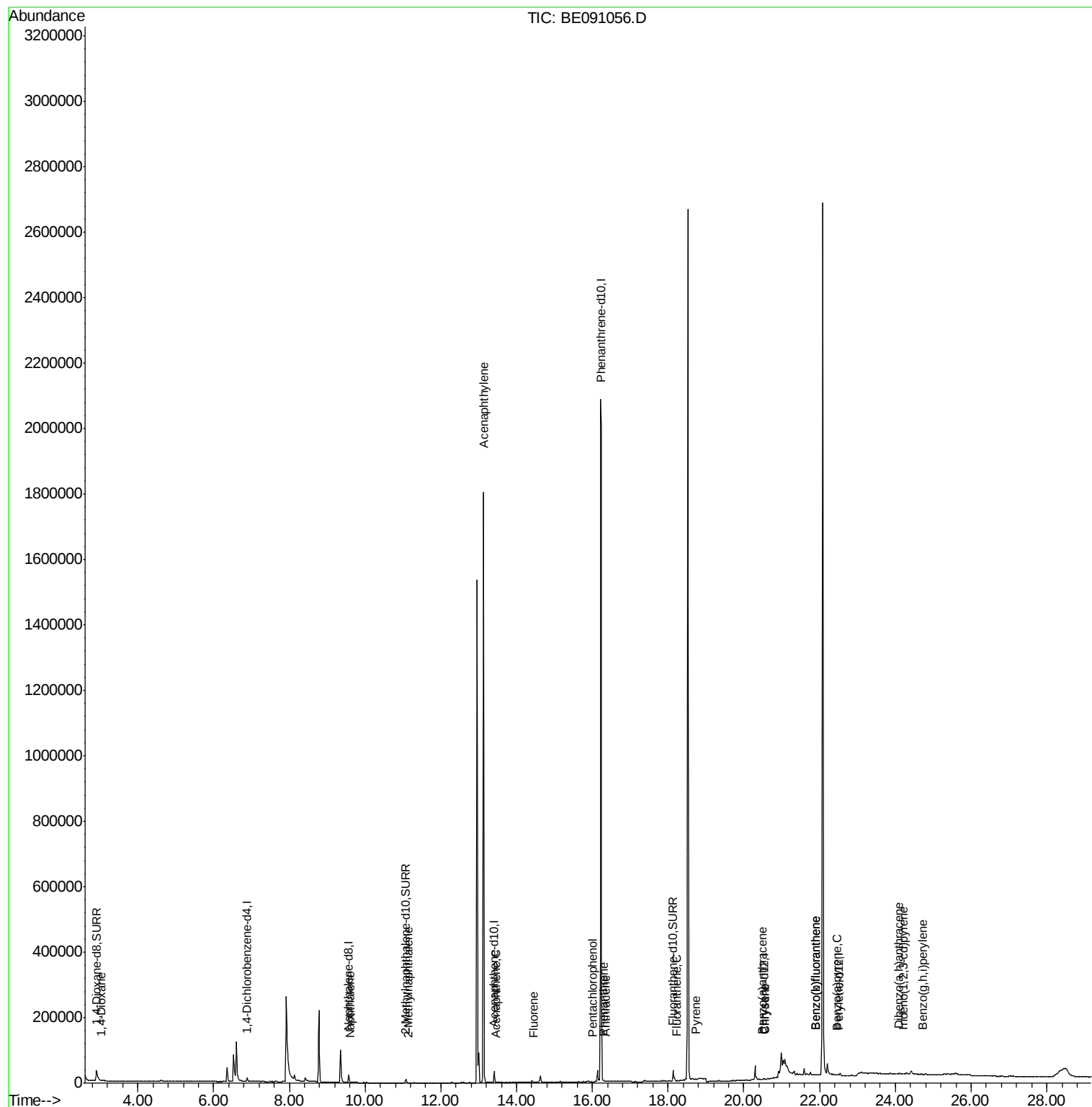
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	5136	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.57	136	28569	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.41	164	17924	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.23	188	2586121	0.40	ng/ul	0.10
18) Chrysene-d12	20.52	240	1303	0.40	ng/ul	0.23
22) Perylene-d12	22.51	264	337	0.40	ng/ul	0.32
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.90	96	34049	9.22	ng/uL	-0.08
6) 2-Methylnaphthalene-d10	11.07	152	14397	0.37	ng/ul	-0.02
16) Fluoranthene-d10	18.13	212	36049	0.00	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.04	88	50	0.01	ng/ul#	1
5) Naphthalene	9.61	128	273	0.00	ng/ul#	1
7) 2-Methylnaphthalene	11.15	142	88	0.00	ng/ul#	49
9) Acenaphthylene	13.12	152	557	0.01	ng/ul#	1
10) Acenaphthene	13.46	153	102	0.00	ng/ul#	68
11) Fluorene	14.45	166	233	0.00	ng/ul#	82
13) Pentachlorophenol	16.00	266	24	0.00	ng/ul#	55
14) Phenanthrene	16.31	178	252	0.00	ng/ul#	1
15) Anthracene	16.35	178	527	0.00	ng/ul#	1
17) Fluoranthene	18.23	202	631	0.00	ng/ul#	1
19) Pyrene	18.73	202	2524	0.17	ng/ul#	1
20) Benzo(a)anthracene	20.49	228	455	0.14	ng/ul#	1
21) Chrysene	20.56	228	199	0.05	ng/ul#	1
23) Benzo(b)fluoranthene	21.91	252	1683	1.60	ng/ul#	1
24) Benzo(k)fluoranthene	21.91	252	1683	1.56	ng/ul#	1
25) Benzo(a)pyrene	22.47	252	223	0.23	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	24.21	276	673	0.16	ng/ul#	1
27) Dibenzo(a,h)anthracene	24.09	278	957	0.98	ng/ul#	1
28) Benzo(g,h,i)perylene	24.73	276	854	0.20	ng/ul#	1

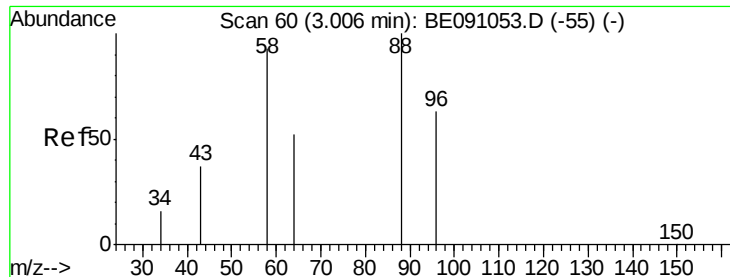
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.01 ng/ul

RT: 3.04 min Scan# 65

Delta R.T. 0.03 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

Instrument :

BNA_E

ClientSampleId :

JG9J0

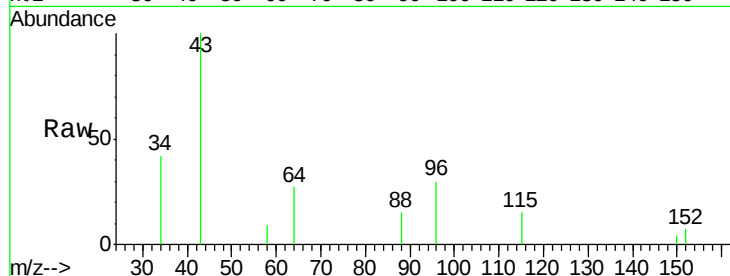
Tot Ion: 88 Resp: 50

Ion Ratio Lower Upper

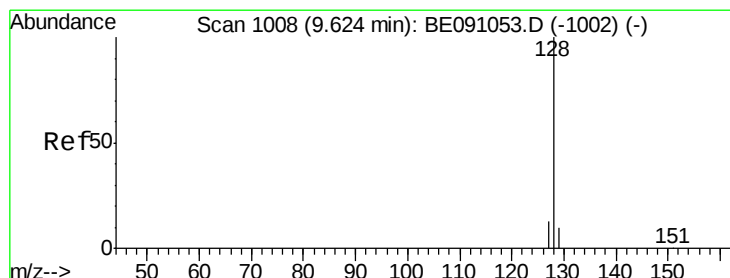
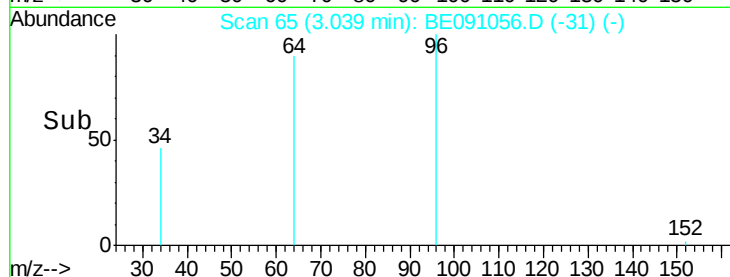
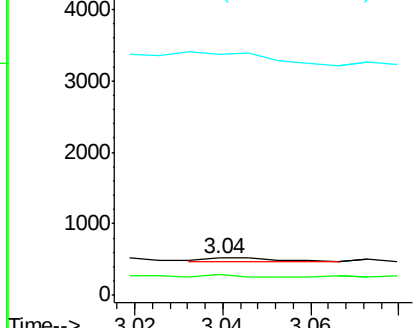
88 100

58 86.0 55.4 83.2#

43 1784.0 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: 0.00 ng/ul

RT: 9.61 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

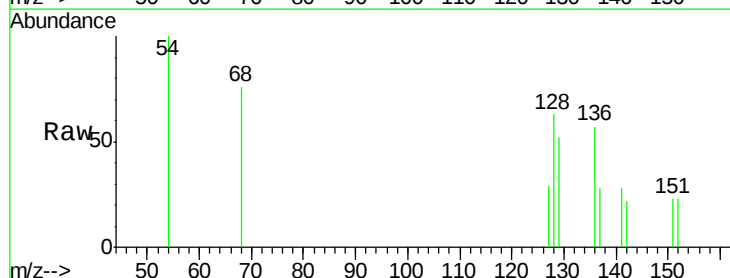
Tgt Ion: 128 Resp: 273

Ion Ratio Lower Upper

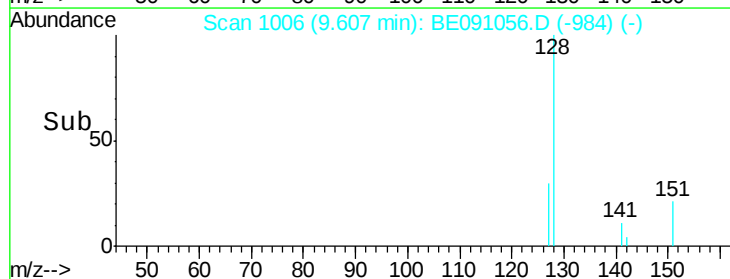
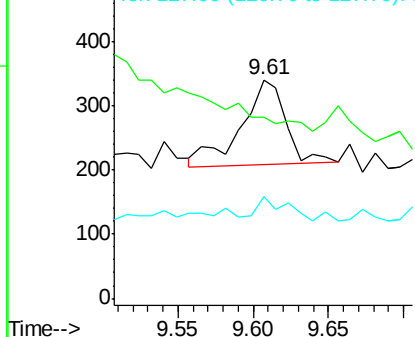
128 100

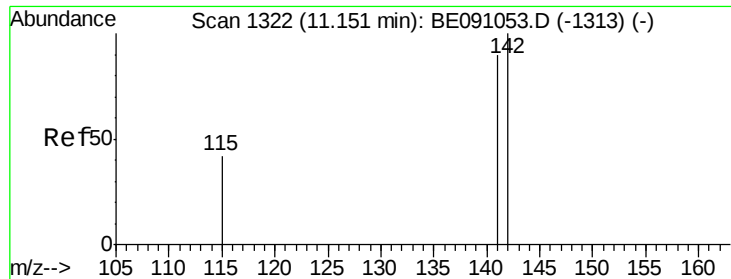
129 83.0 9.8 14.8#

127 46.6 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: 11.15 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

Instrument :

BNA_E

ClientSampleId :

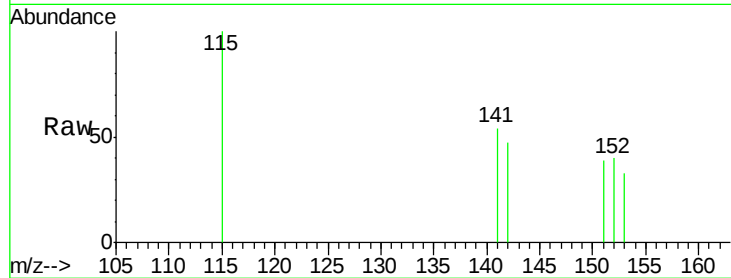
JG9J0

Tot Ion:142 Resp: 88

Ion Ratio Lower Upper

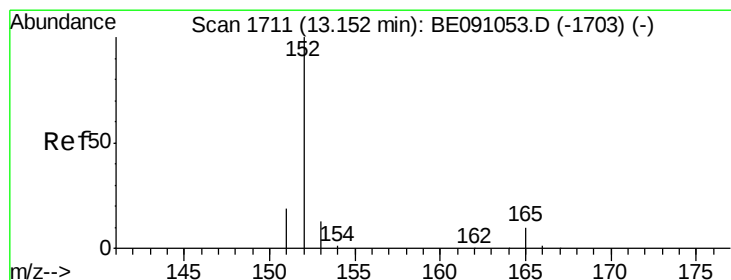
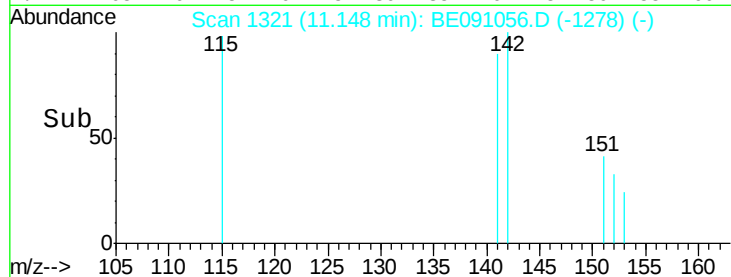
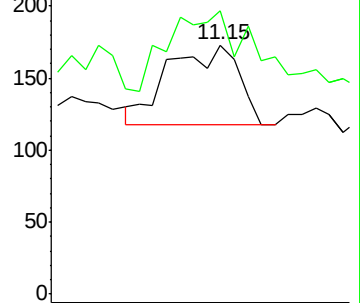
142 100

141 135.2 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: 0.01 ng/ul

RT: 13.12 min Scan# 1707

Delta R.T. -0.03 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

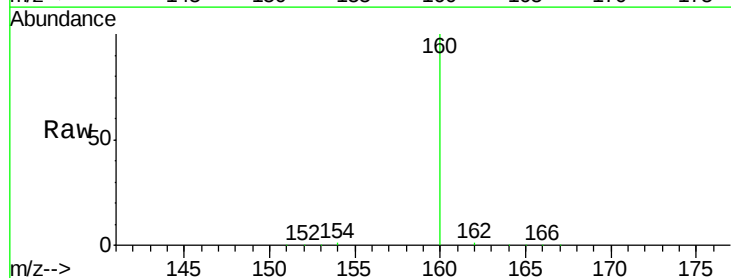
Tgt Ion:152 Resp: 557

Ion Ratio Lower Upper

152 100

151 67.5 16.8 25.2#

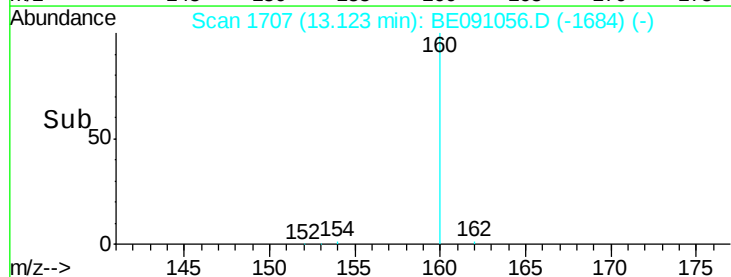
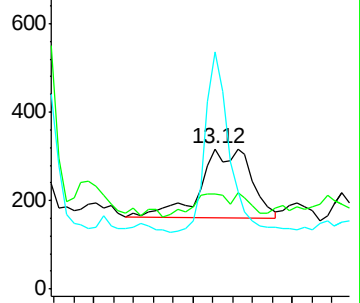
153 169.1 11.3 16.9#

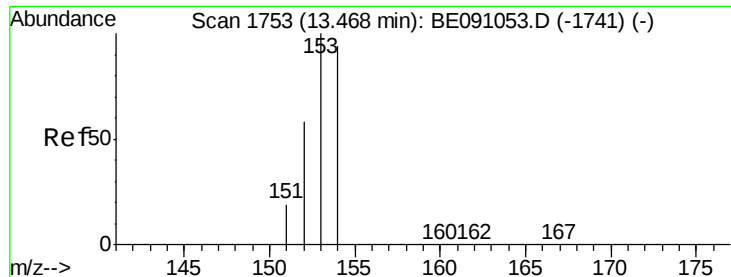


Abundance Ion 152.00 (151.70 to 152.70): E

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: 13.46 min Scan# 1752

Delta R.T. -0.01 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

Instrument :

BNA_E

ClientSampleId :

JG9J0

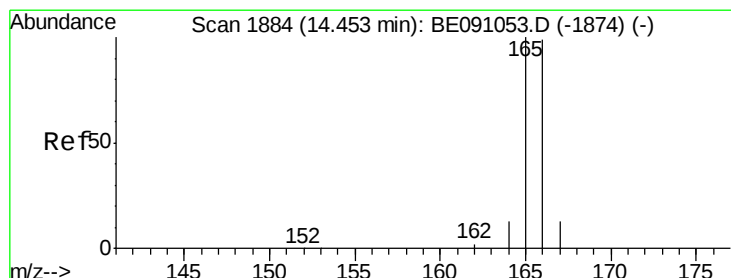
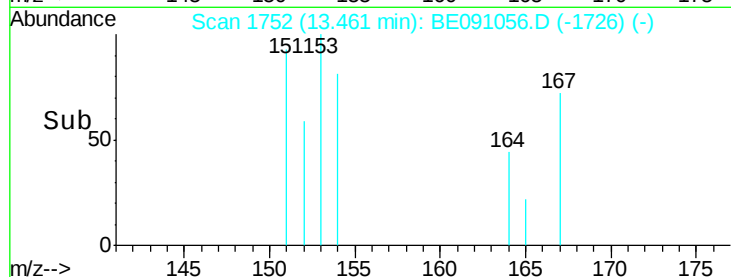
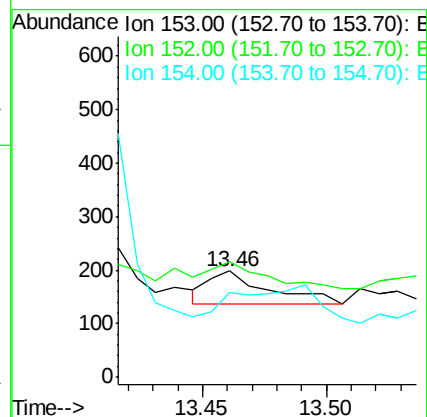
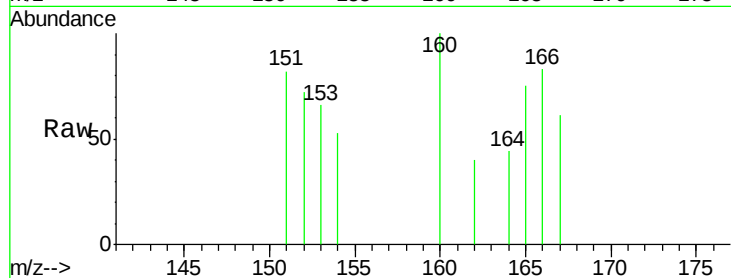
Tot Ion:153 Resp: 102

Ion Ratio Lower Upper

153 100

152 108.5 42.3 63.5#

154 79.4 64.7 97.1



#11

Fluorene

Concen: 0.00 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

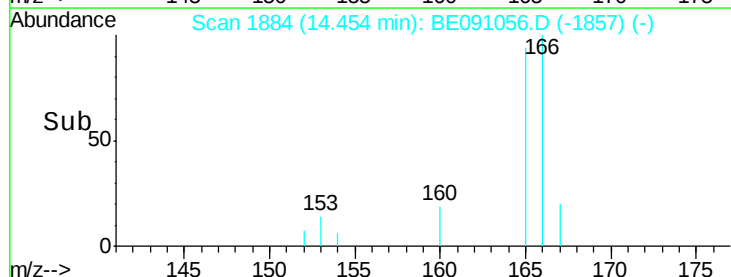
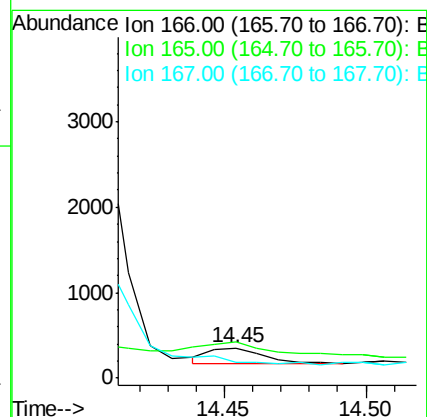
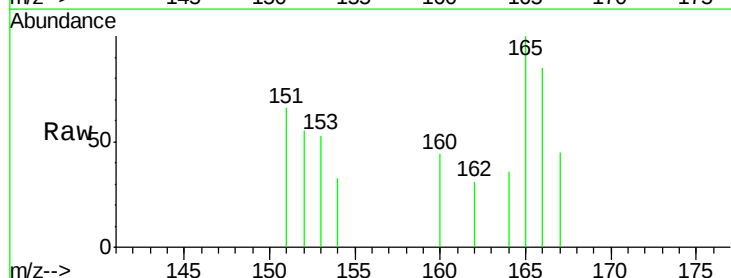
Tgt Ion:166 Resp: 233

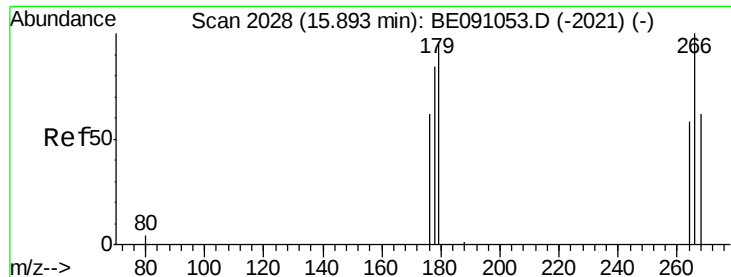
Ion Ratio Lower Upper

166 100

165 118.3 87.6 131.4

167 53.5 11.1 16.7#

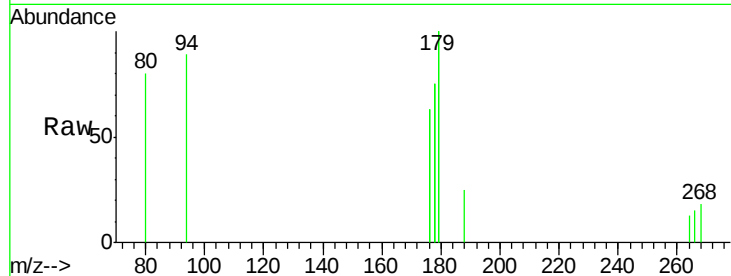




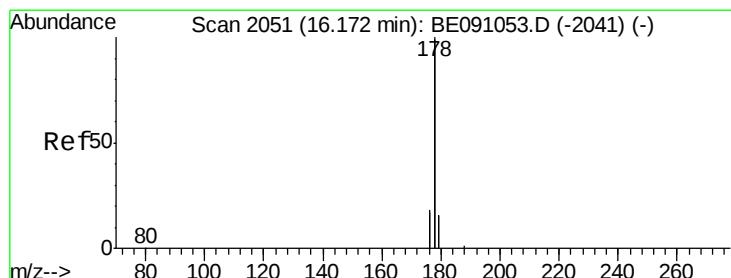
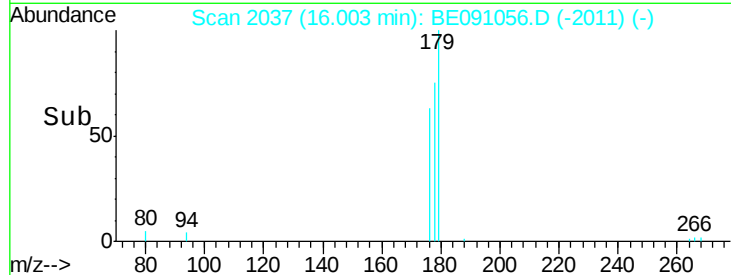
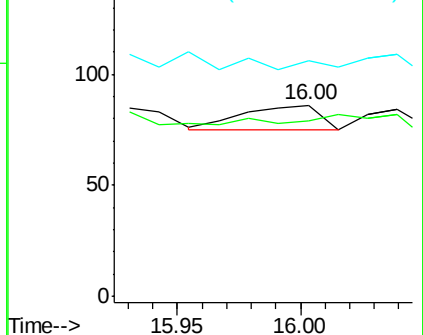
#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.00 min Scan# 2037
 Delta R.T. 0.11 min
 Lab File: BE091056.D
 Acq: 27 Oct 2015 19:35

Instrument :
 BNA_E
 ClientSampleId :
 JG9J0

Tot Ion:266 Resp: 24
 Ion Ratio Lower Upper
 266 100
 264 70.8 53.5 80.3
 268 0.0 54.2 81.2#

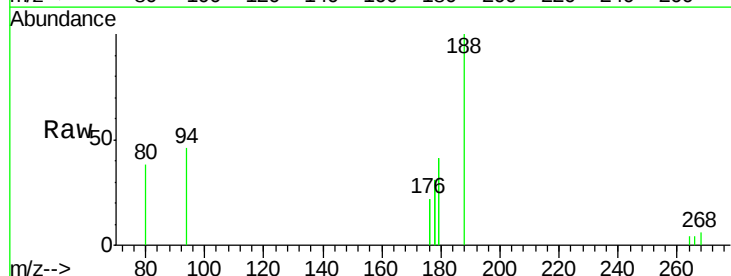


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

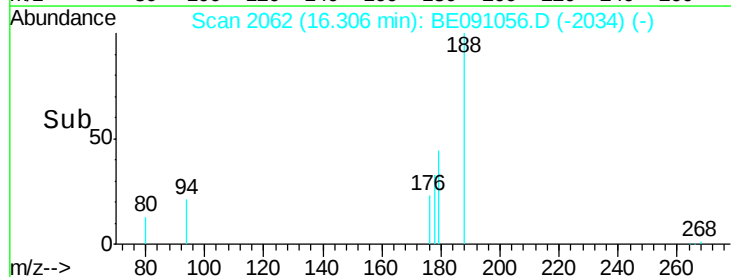
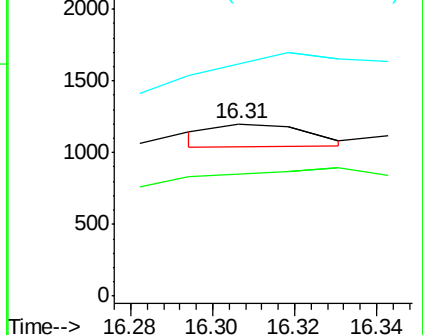


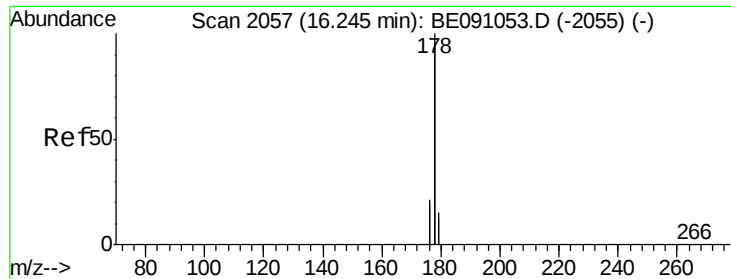
#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.31 min Scan# 2062
 Delta R.T. 0.13 min
 Lab File: BE091056.D
 Acq: 27 Oct 2015 19:35

Tgt Ion:178 Resp: 252
 Ion Ratio Lower Upper
 178 100
 176 71.0 16.2 24.4#
 179 135.2 12.8 19.2#



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





#15

Anthracene

Concen: 0.00 ng/u1

RT: 16.35 min Scan# 2066

Delta R.T. 0.11 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

Instrument :

BNA_E

ClientSampleId :

JG9J0

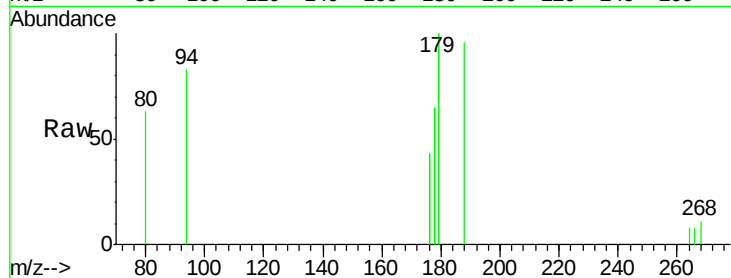
Tot Ion:178 Resp: 527

Ion Ratio Lower Upper

178 100

176 66.8 15.8 23.8#

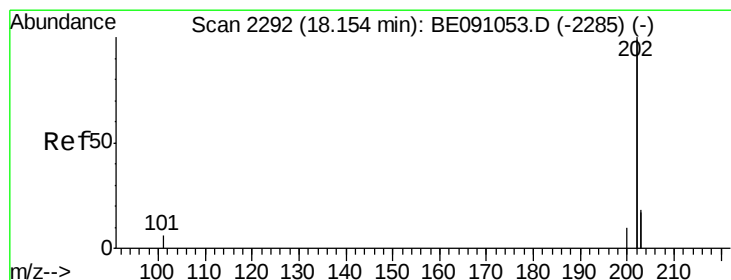
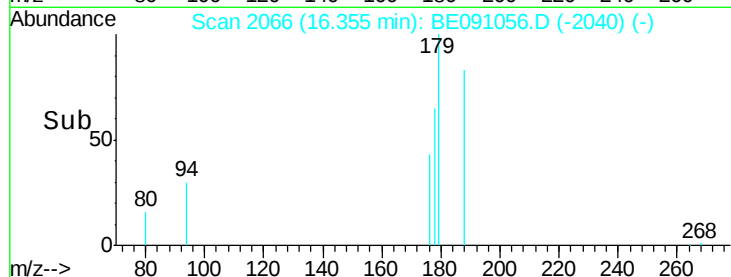
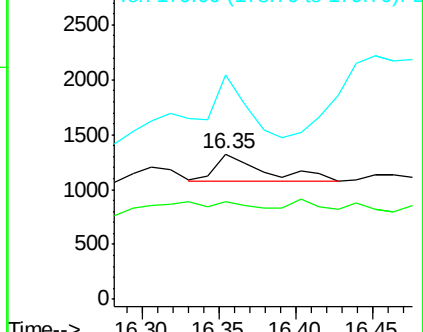
179 154.1 13.3 19.9#



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/u1

RT: 18.23 min Scan# 2304

Delta R.T. 0.08 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

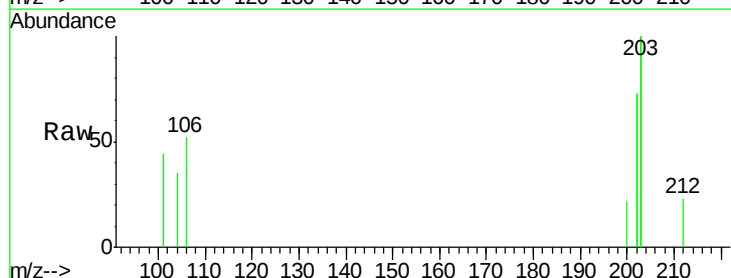
Tgt Ion:202 Resp: 631

Ion Ratio Lower Upper

202 100

101 30.0 0.0 33.1

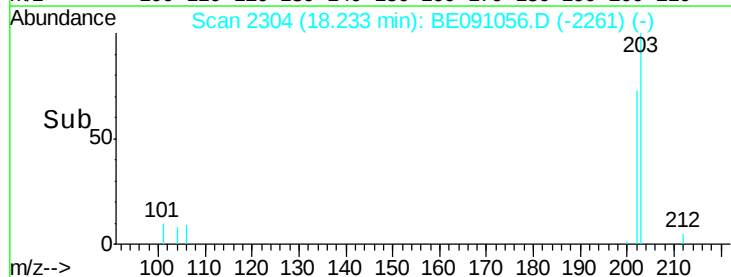
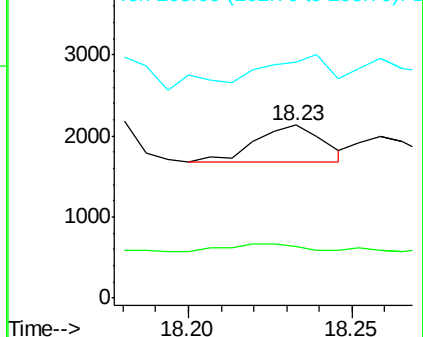
203 136.5 0.0 37.2#

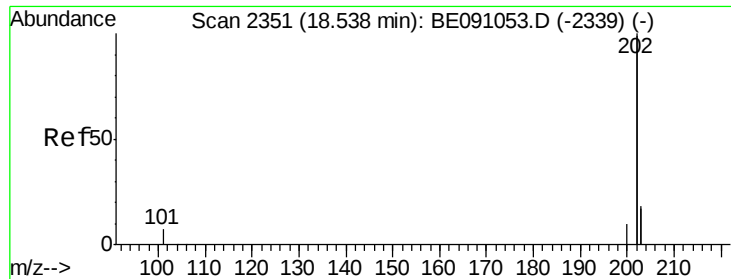


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.17 ng/ul

RT: 18.73 min Scan# 2380

Delta R.T. 0.19 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

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JG9J0

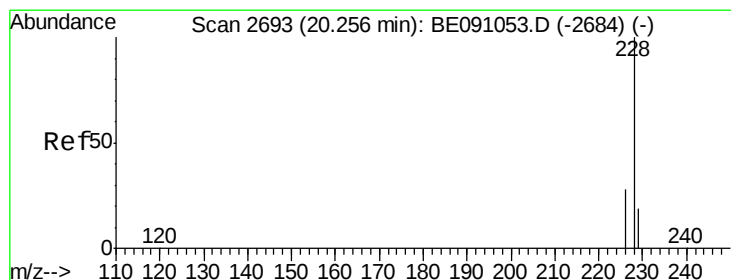
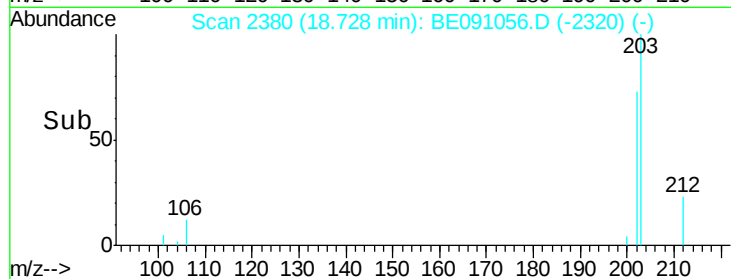
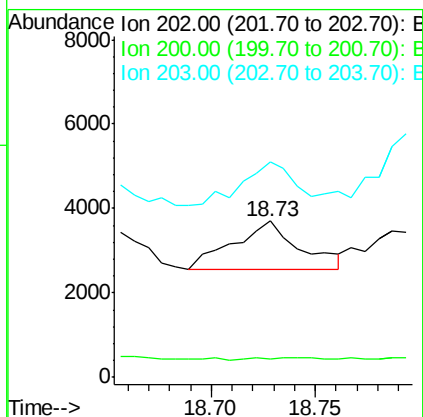
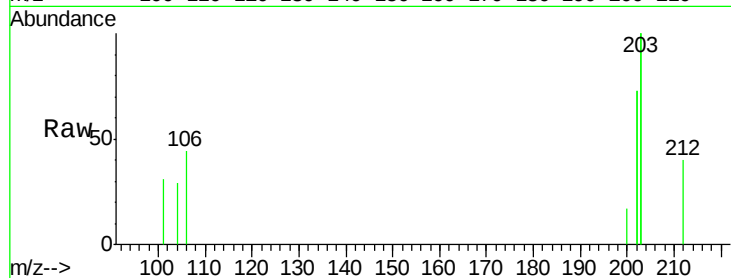
Tot Ion:202 Resp: 2524

Ion Ratio Lower Upper

202 100

200 11.8 18.0 27.0#

203 137.7 13.8 20.6#



#20

Benzo(a)anthracene

Concen: 0.14 ng/ul

RT: 20.49 min Scan# 2745

Delta R.T. 0.24 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

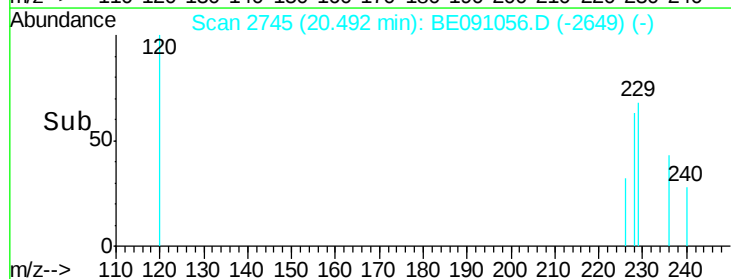
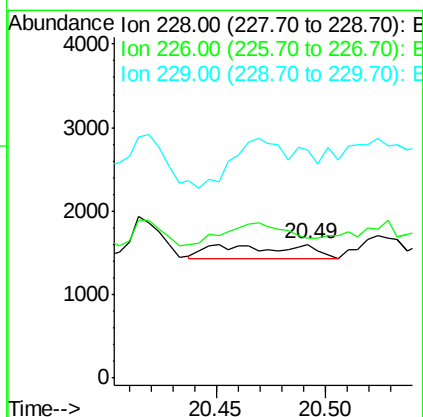
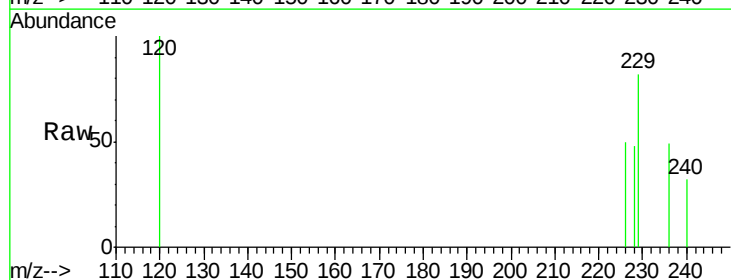
Tgt Ion:228 Resp: 455

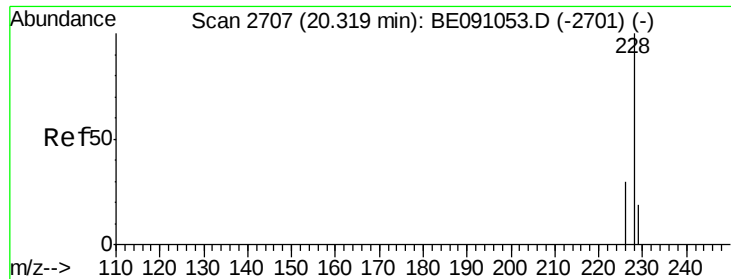
Ion Ratio Lower Upper

228 100

226 104.5 23.0 34.4#

229 170.7 15.2 22.8#





#21

Chrysene

Concen: 0.05 ng/ul

RT: 20.56 min Scan# 2759

Delta R.T. 0.24 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

Instrument :

BNA_E

ClientSampleId :

JG9J0

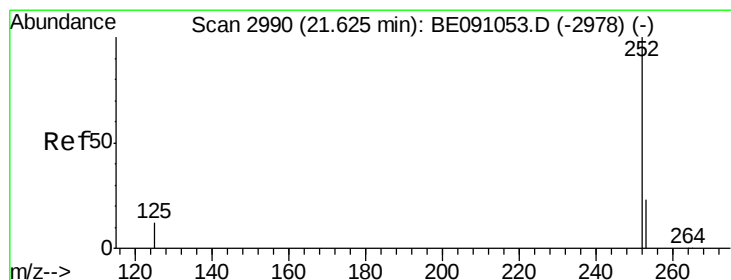
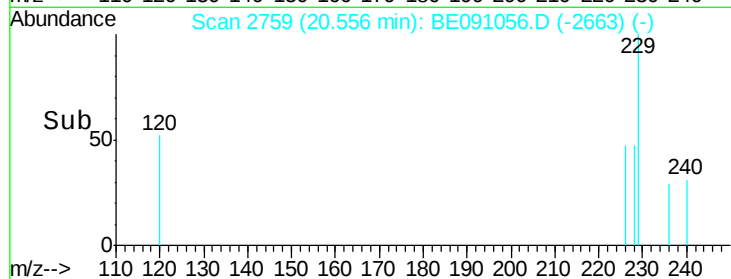
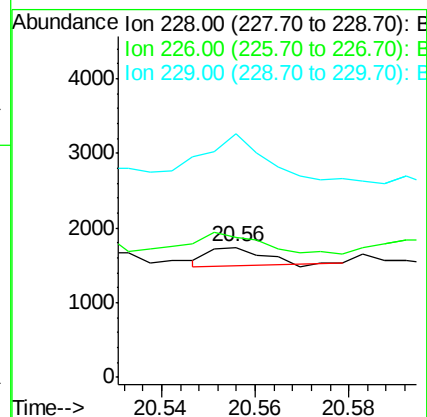
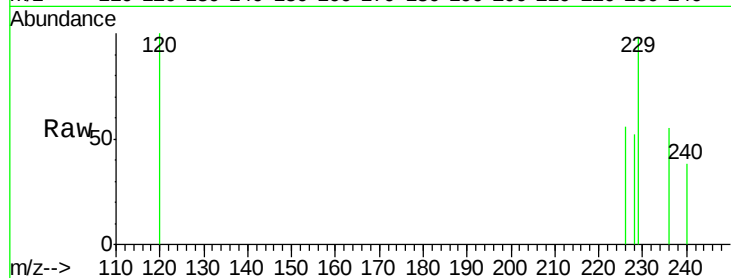
Tot Ion:228 Resp: 199

Ion Ratio Lower Upper

228 100

226 107.9 25.7 38.5#

229 187.2 15.2 22.8#



#23

Benzo(b)fluoranthene

Concen: 1.60 ng/ul

RT: 21.91 min Scan# 3053

Delta R.T. 0.29 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

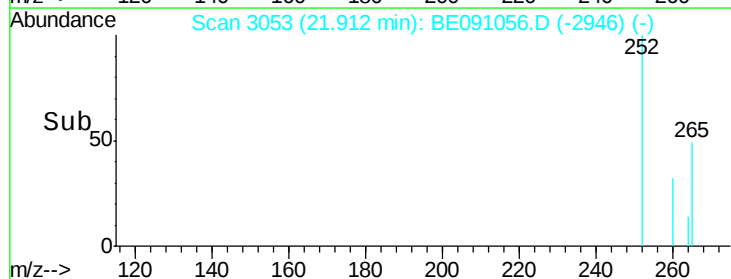
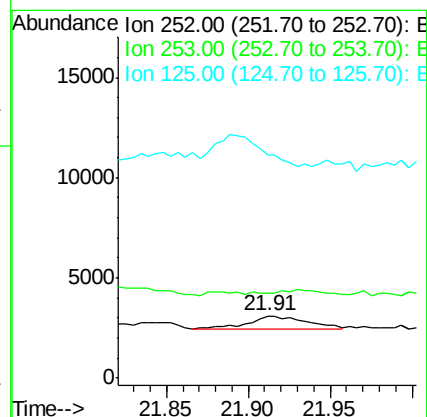
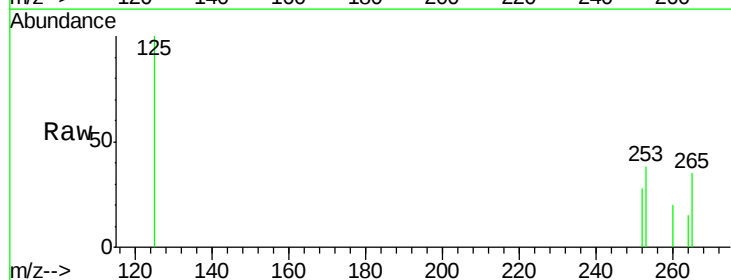
Tgt Ion:252 Resp: 1683

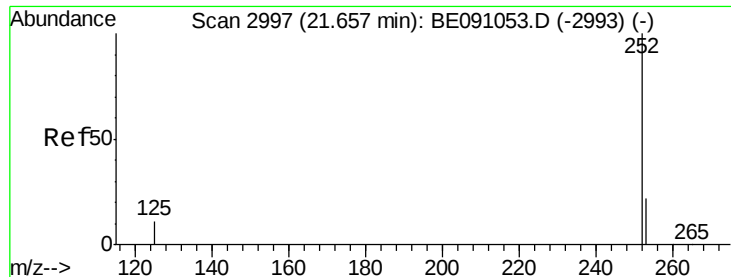
Ion Ratio Lower Upper

252 100

253 136.5 0.0 48.0#

125 356.3 0.0 36.6#





#24

Benzo(k)fluoranthene

Concen: 1.56 ng/ul

RT: 21.91 min Scan# 3053

Delta R.T. 0.26 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

Instrument :

BNA_E

ClientSampleId :

JG9J0

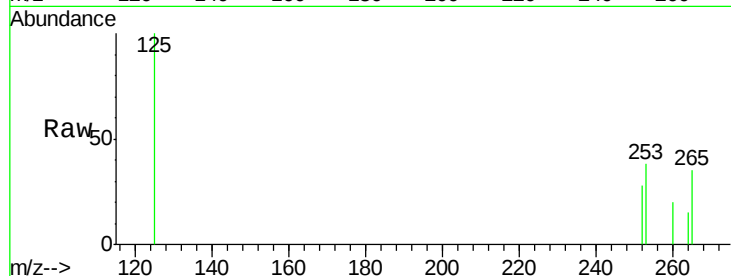
Tot Ion:252 Resp: 1683

Ion Ratio Lower Upper

252 100

253 136.5 20.8 31.2#

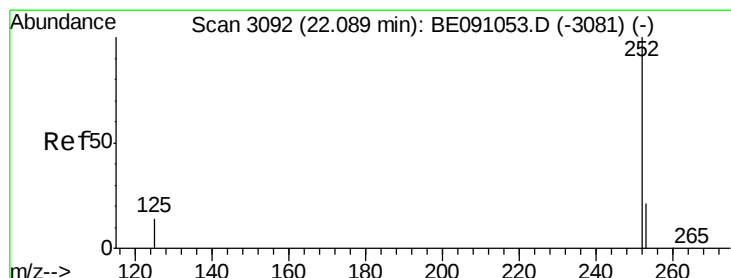
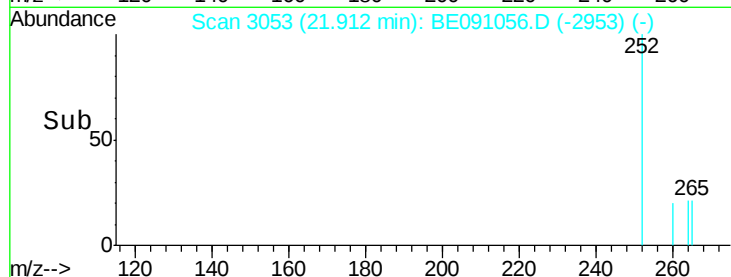
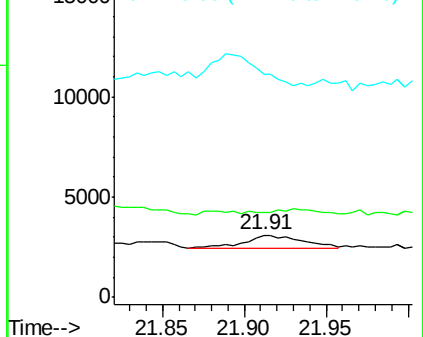
125 356.3 12.2 18.4#



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: 0.23 ng/ul

RT: 22.47 min Scan# 3175

Delta R.T. 0.38 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

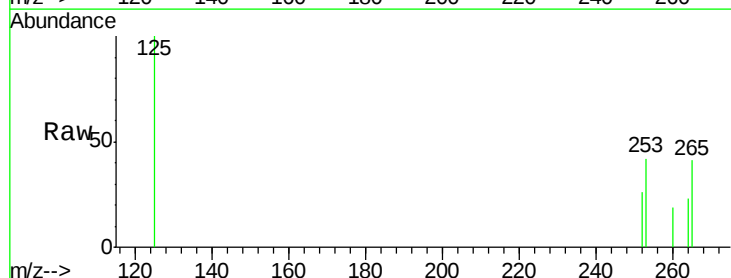
Tgt Ion:252 Resp: 223

Ion Ratio Lower Upper

252 100

253 163.3 21.8 32.8#

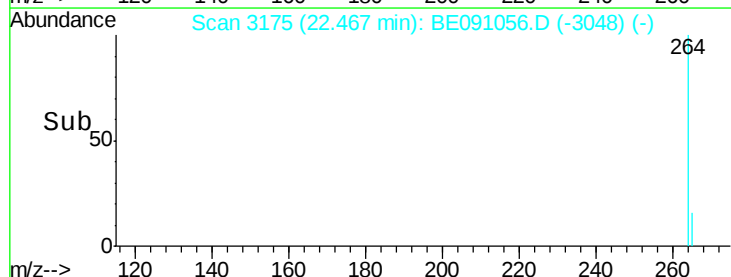
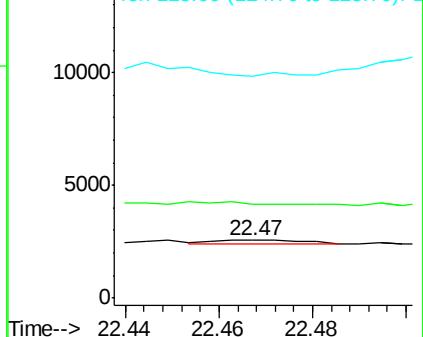
125 384.3 14.5 21.7#

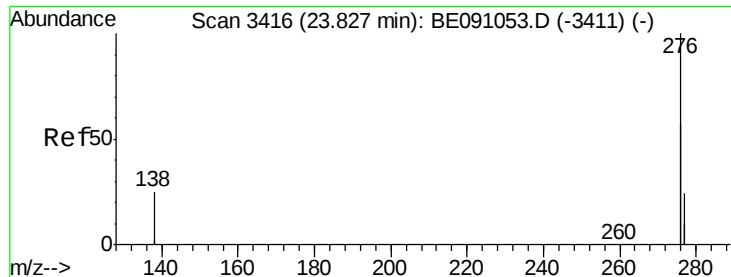


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.16 ng/ul

RT: 24.21 min Scan# 3475

Delta R.T. 0.38 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

Instrument :

BNA_E

ClientSampleId :

JG9J0

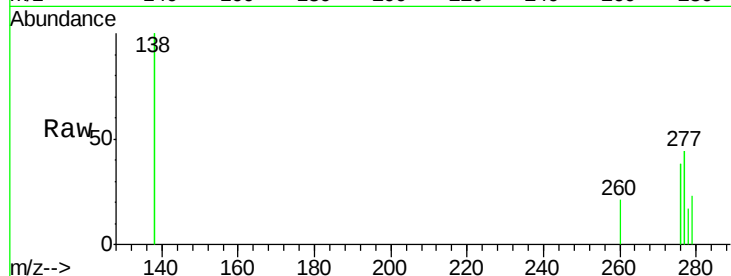
Tot Ion:276 Resp: 673

Ion Ratio Lower Upper

276 100

138 384.5 27.5 41.3#

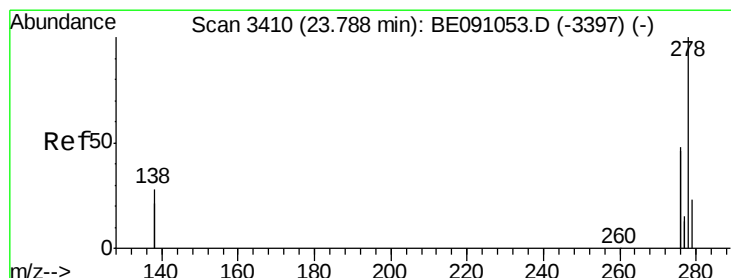
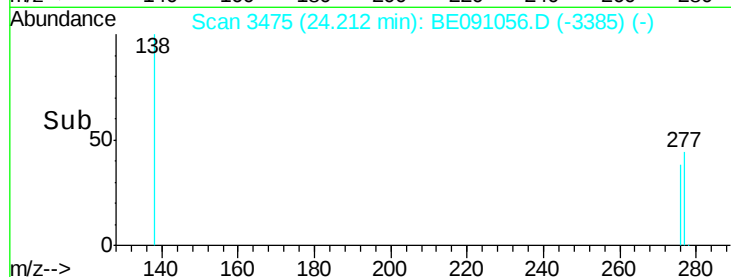
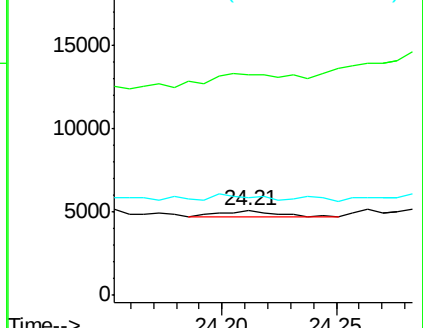
277 54.1 19.3 28.9#



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: 0.98 ng/ul

RT: 24.09 min Scan# 3456

Delta R.T. 0.30 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

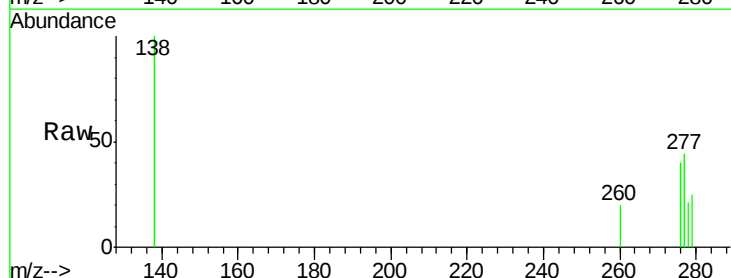
Tgt Ion:278 Resp: 957

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

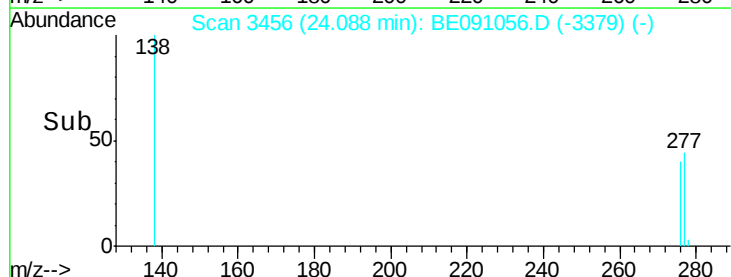
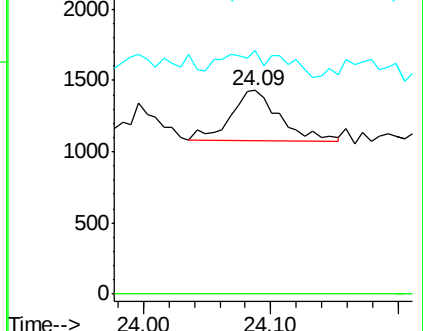
279 119.5 21.9 32.9#

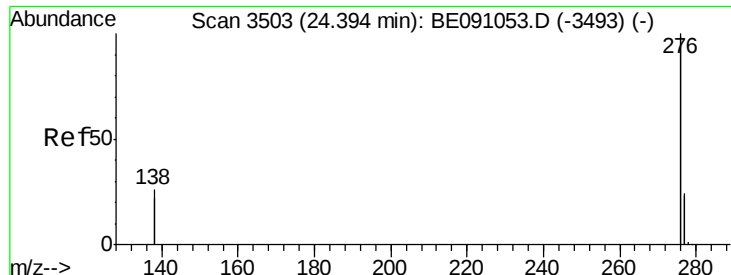


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(a,h,i)perylene

Concen: 0.20 ng/ul

RT: 24.73 min Scan# 3554

Delta R.T. 0.33 min

Lab File: BE091056.D

Acq: 27 Oct 2015 19:35

Instrument :

BNA_E

ClientSampleId :

JG9J0

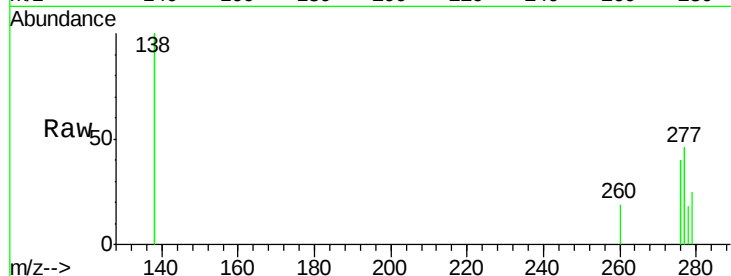
Tot Ion: 276 Resp: 854

Ion Ratio Lower Upper

276 100

277 115.8 21.3 31.9#

138 251.4 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

