

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091054.D
 Acq On : 27 Oct 2015 18:23
 Operator : UM/NP
 Sample : G4075-04RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JG9J6

Quant Time: Oct 28 03:59:59 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	6116	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.57	136	31802	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.41	164	17208	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.22	188	1823909	0.40	ng/ul	0.09
18) Chrysene-d12	20.38	240	8377	0.40	ng/ul	0.10
22) Perylene-d12	22.20	264	41922	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.92	96	26591	6.04	ng/uL	-0.07
6) 2-Methylnaphthalene-d10	11.07	152	10961	0.25	ng/ul	-0.02
16) Fluoranthene-d10	18.13	212	25256	0.00	ng/ul	0.00

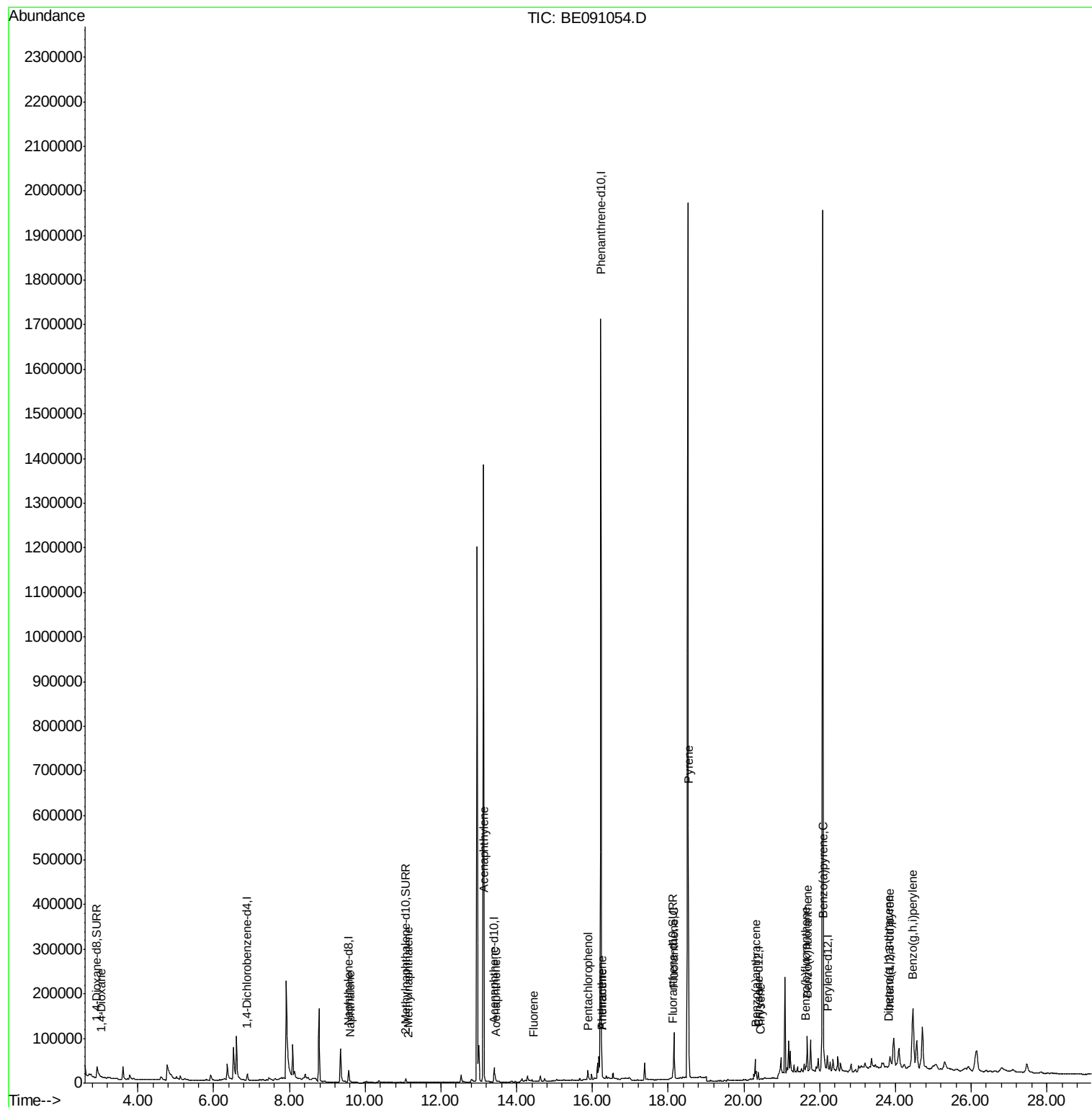
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) 1,4-Dioxane	3.04	88	184	0.04	ng/ul#	24
5) Naphthalene	9.61	128	976	0.01	ng/ul#	36
7) 2-Methylnaphthalene	11.14	142	284	0.01	ng/ul	90
9) Acenaphthylene	13.15	152	1001	0.01	ng/ul#	69
10) Acenaphthene	13.46	153	840	0.01	ng/ul#	48
11) Fluorene	14.45	166	544	0.01	ng/ul#	85
13) Pentachlorophenol	15.89	266	1357	0.01	ng/ul	95
14) Phenanthrene	16.26	178	9321	0.00	ng/ul#	38
15) Anthracene	16.26	178	9321	0.00	ng/ul#	38
17) Fluoranthene	18.15	202	103190	0.00	ng/ul	89
19) Pyrene	18.54	202	108588	1.14	ng/ul#	74
20) Benzo(a)anthracene	20.33	228	16871	0.78	ng/ul#	77
21) Chrysene	20.45	228	1720	0.07	ng/ul#	1
23) Benzo(b)fluoranthene	21.63	252	14267	0.11	ng/ul#	1
24) Benzo(k)fluoranthene	21.66	252	12206	0.09	ng/ul#	1
25) Benzo(a)pyrene	22.11	252	11748	0.10	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.86	276	38846	0.08	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.82	278	1789	0.01	ng/ul#	1
28) Benzo(g,h,i)perylene	24.44	276	42399	0.08	ng/ul#	1

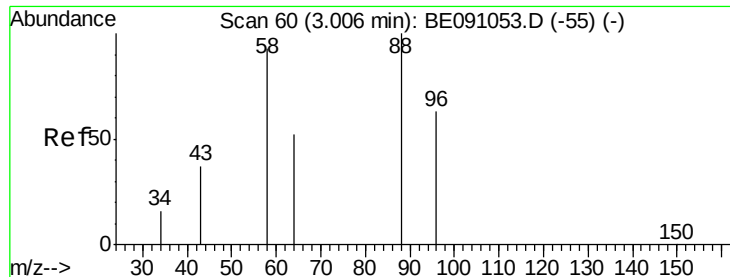
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 3.04 min Scan# 65

Delta R.T. 0.03 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

Instrument :

BNA_E

ClientSampleId :

JG9J6

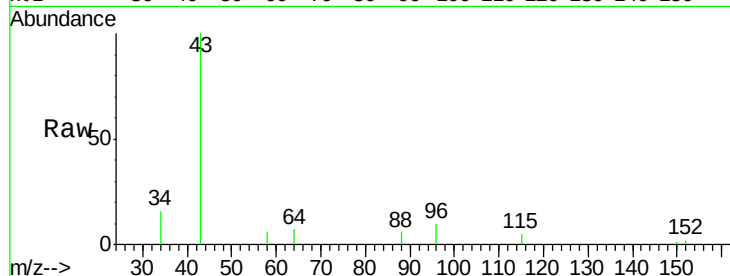
Tot Ion: 88 Resp: 184

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

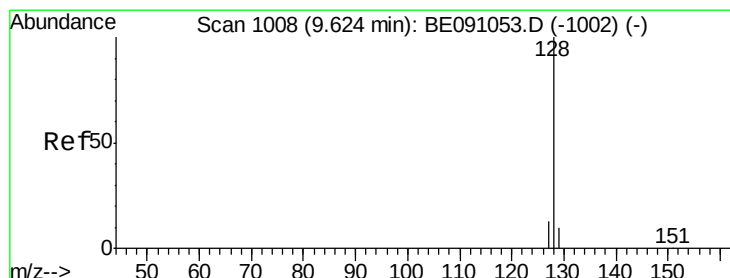
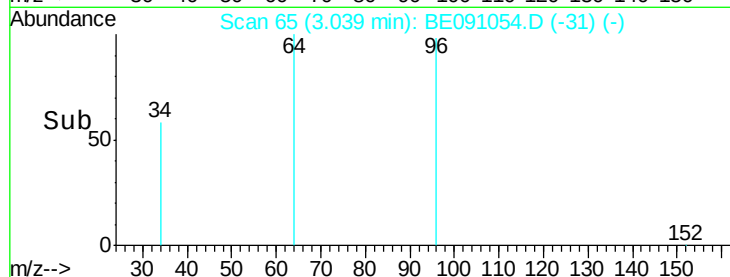
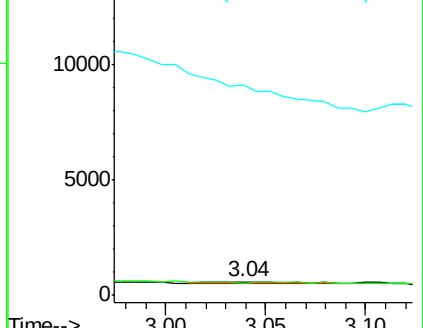
43 0.0 24.2 36.2#



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: 9.61 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

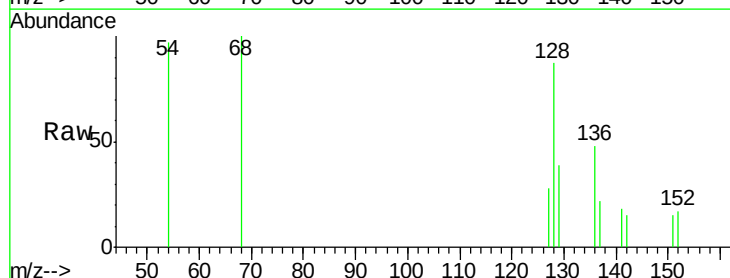
Tgt Ion:128 Resp: 976

Ion Ratio Lower Upper

128 100

129 45.0 9.8 14.8#

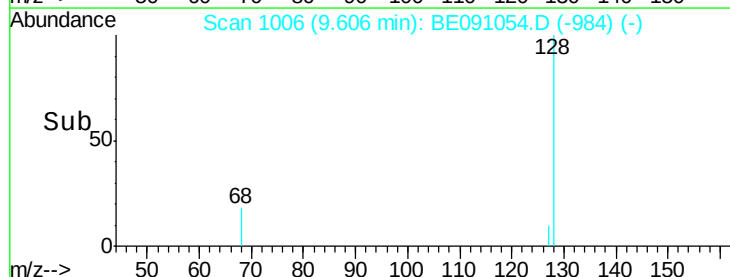
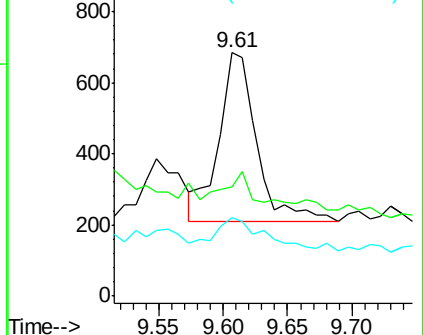
127 32.0 10.7 16.1#

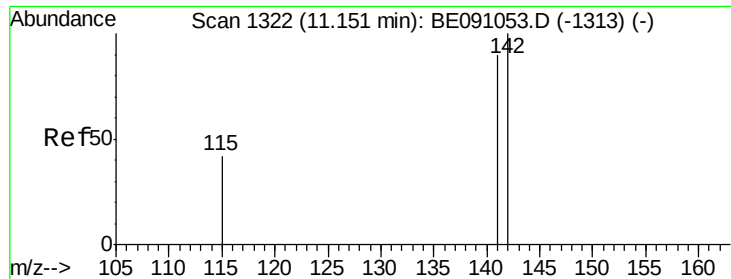


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 11.14 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

Instrument :

BNA_E

ClientSampleId :

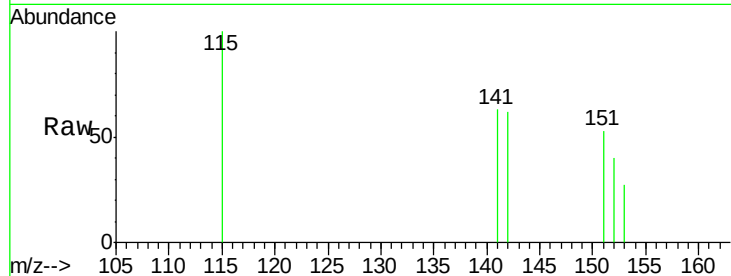
JG9J6

Tot Ion:142 Resp: 284

Ion Ratio Lower Upper

142 100

141 97.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.14

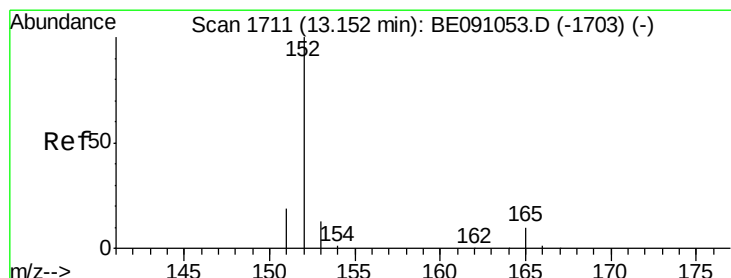
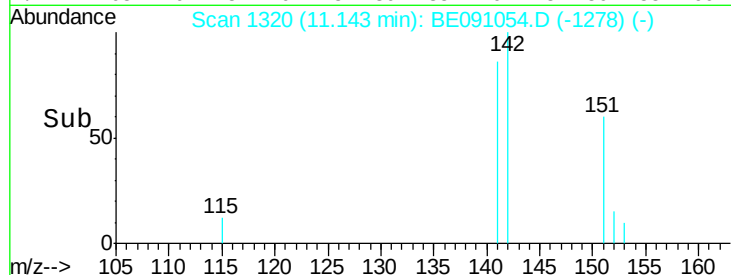
300

200

100

0

Time--> 11.10 11.15



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. -0.01 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

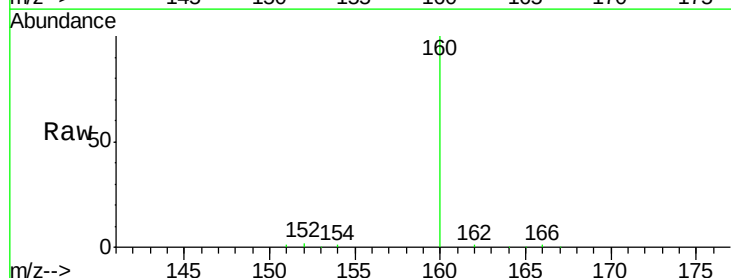
Tgt Ion:152 Resp: 1001

Ion Ratio Lower Upper

152 100

151 34.8 16.8 25.2#

153 27.6 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

13.15

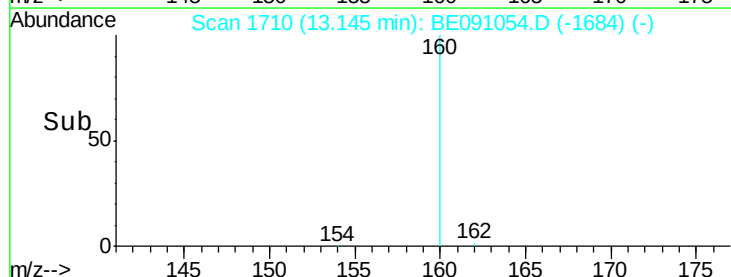
1500

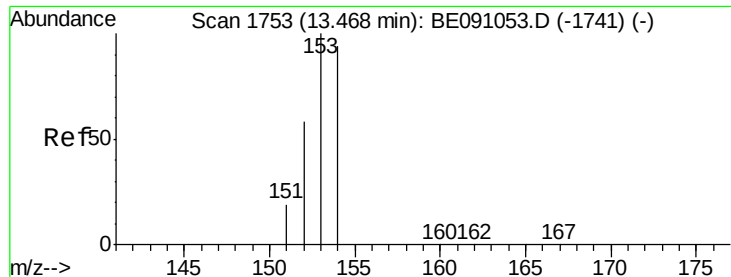
1000

500

0

Time--> 13.10 13.15 13.20





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. -0.01 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

Instrument :

BNA_E

ClientSampleId :

JG9J6

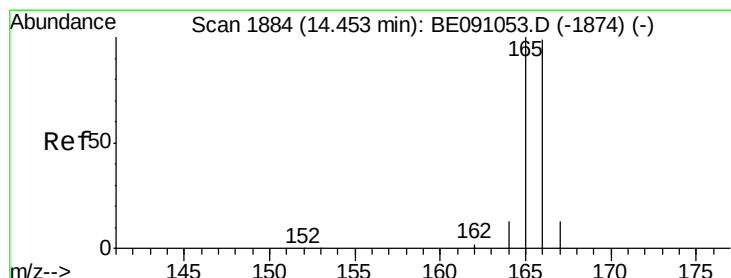
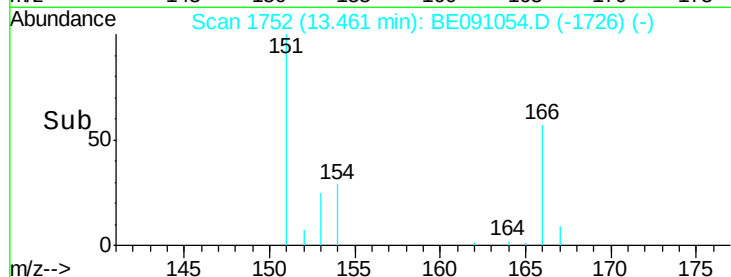
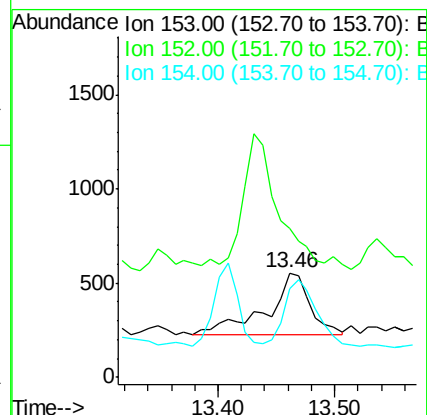
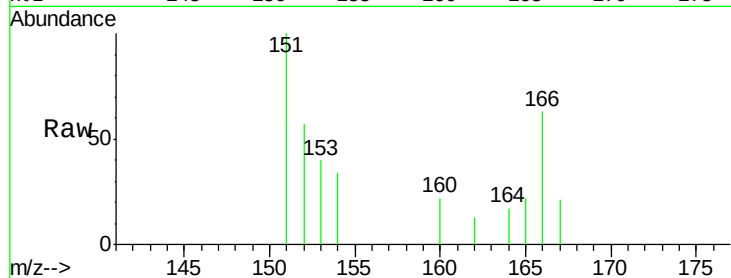
Tot Ion:153 Resp: 840

Ion Ratio Lower Upper

153 100

152 142.2 42.3 63.5#

154 84.7 64.7 97.1



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

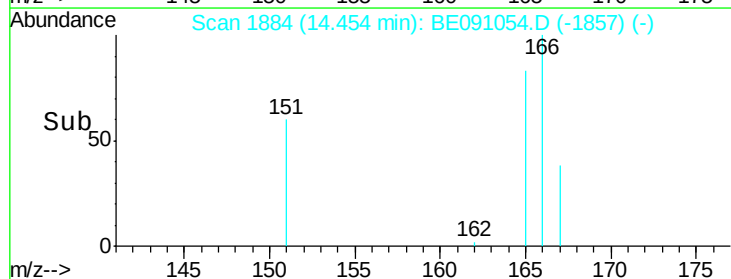
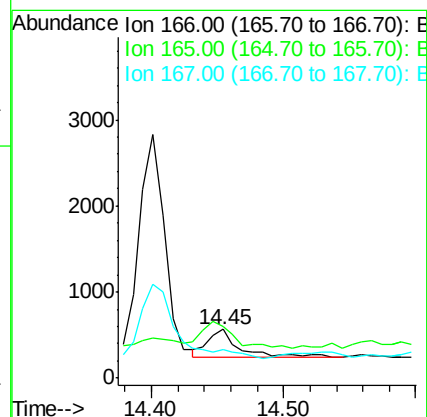
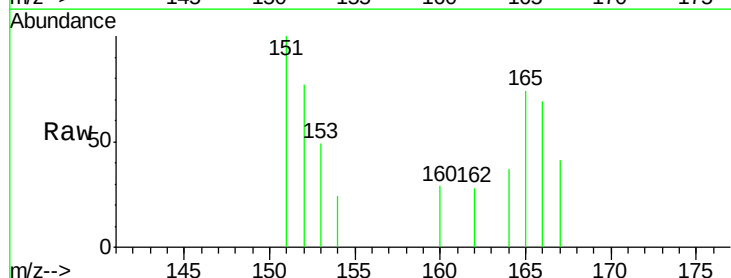
Tgt Ion:166 Resp: 544

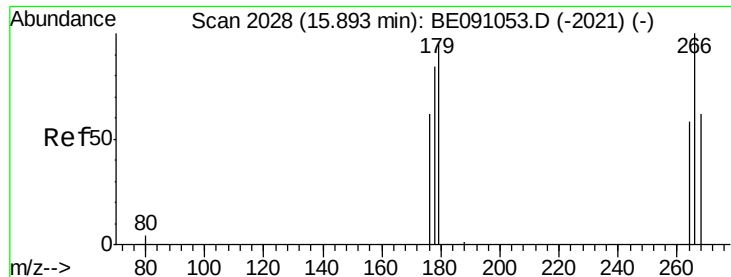
Ion Ratio Lower Upper

166 100

165 106.5 87.6 131.4

167 58.7 11.1 16.7#

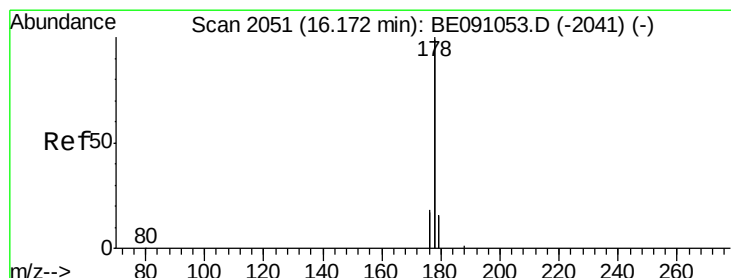
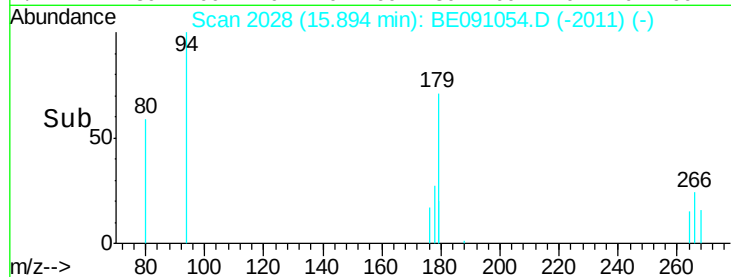
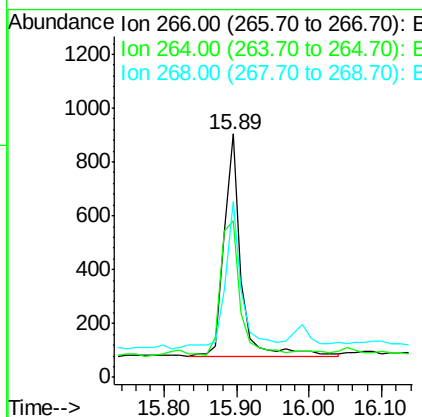
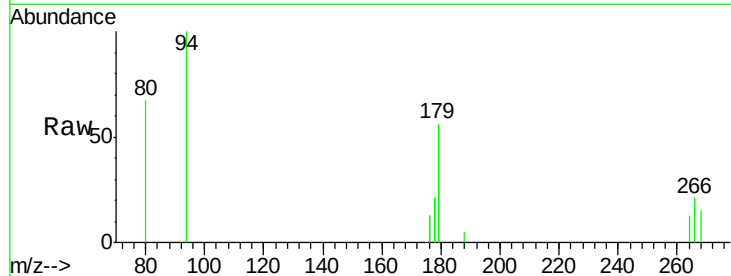




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 15.89 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BE091054.D
 Acq: 27 Oct 2015 18:23

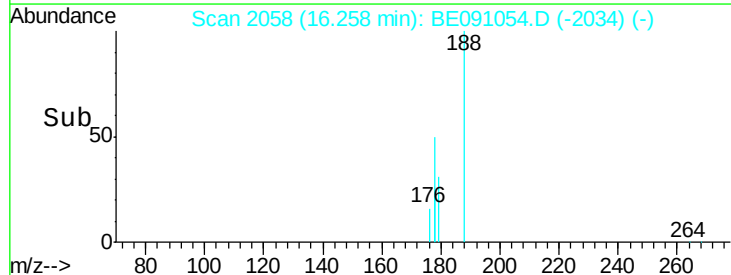
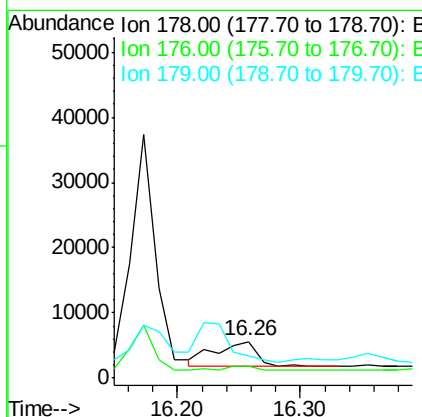
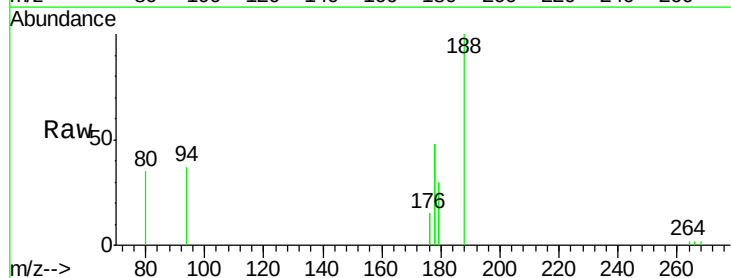
Instrument :
 BNA_E
 ClientSampleId :
 JG9J6

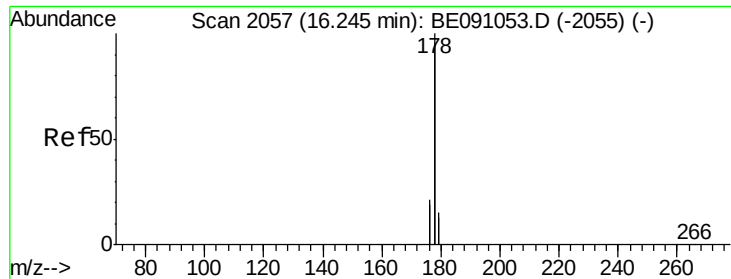
Tot Ion:266 Resp: 1357
 Ion Ratio Lower Upper
 266 100
 264 71.2 53.5 80.3
 268 63.7 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.26 min Scan# 2058
 Delta R.T. 0.09 min
 Lab File: BE091054.D
 Acq: 27 Oct 2015 18:23

Tgt Ion:178 Resp: 9321
 Ion Ratio Lower Upper
 178 100
 176 31.9 16.2 24.4#
 179 61.8 12.8 19.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.26 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

Instrument :

BNA_E

ClientSampleId :

JG9J6

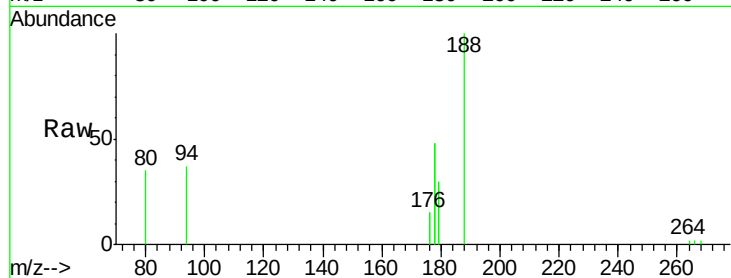
Tot Ion:178 Resp: 9321

Ion Ratio Lower Upper

178 100

176 31.9 15.8 23.8#

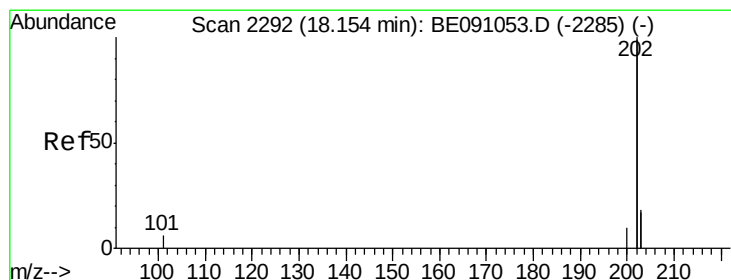
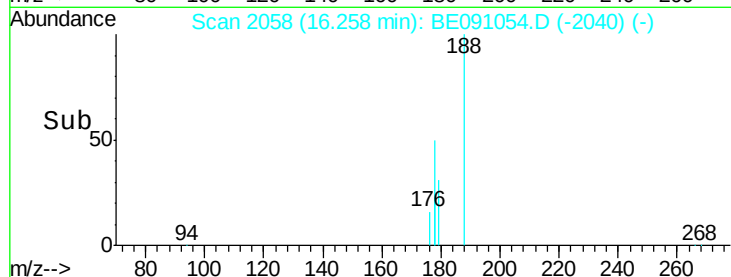
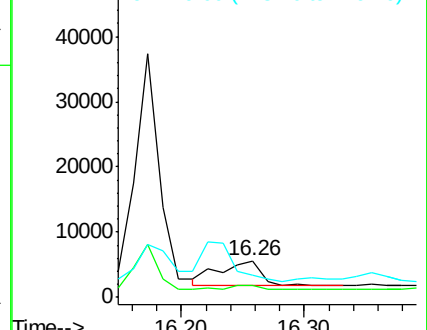
179 61.8 13.3 19.9#



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: 18.15 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

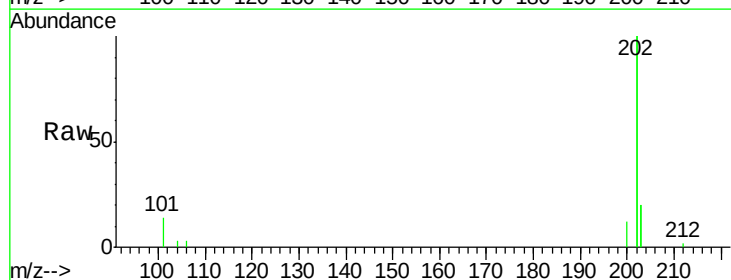
Tgt Ion:202 Resp: 103190

Ion Ratio Lower Upper

202 100

101 7.0 0.0 33.1

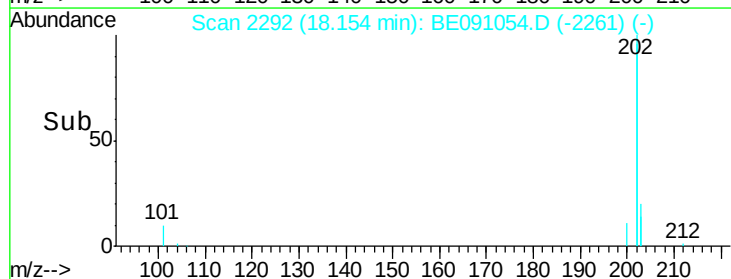
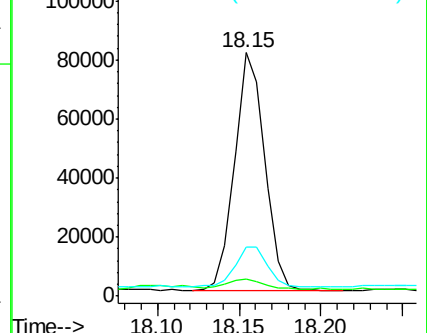
203 20.3 0.0 37.2

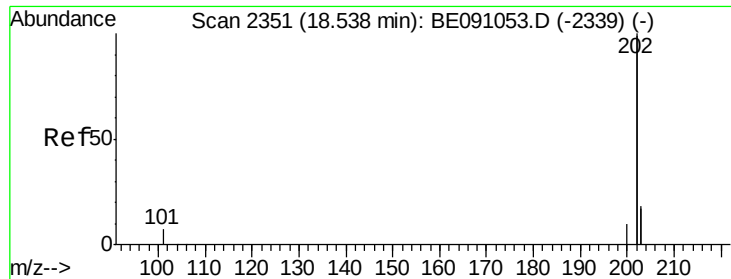


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 1.14 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. 0.00 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

Instrument :

BNA_E

ClientSampleId :

JG9J6

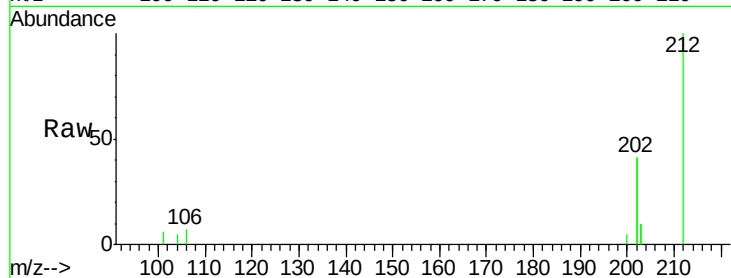
Tot Ion:202 Resp: 108588

Ion Ratio Lower Upper

202 100

200 5.8 18.0 27.0#

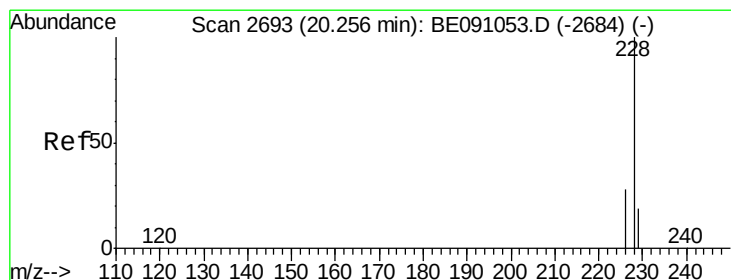
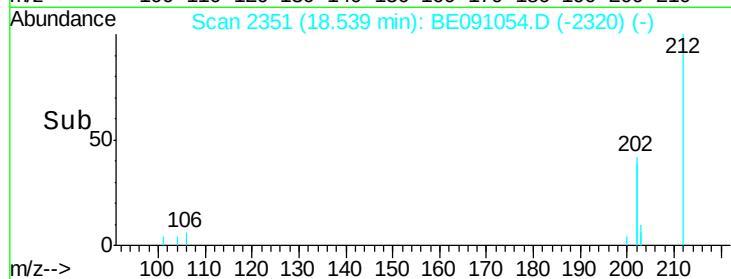
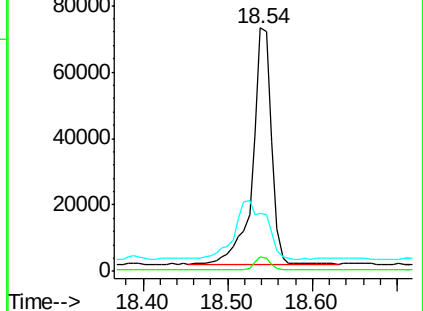
203 23.9 13.8 20.6#



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: 0.78 ng/ul

RT: 20.33 min Scan# 2709

Delta R.T. 0.07 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

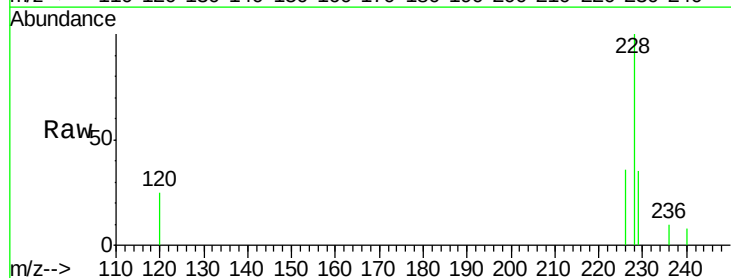
Tgt Ion:228 Resp: 16871

Ion Ratio Lower Upper

228 100

226 36.4 23.0 34.4#

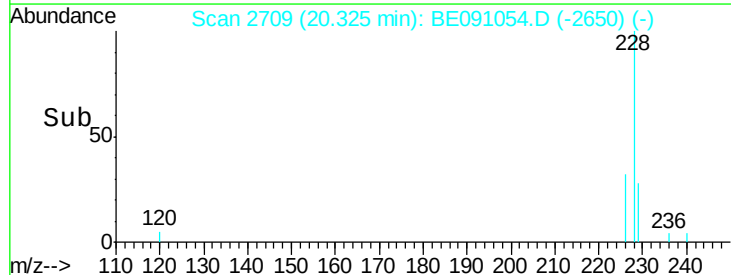
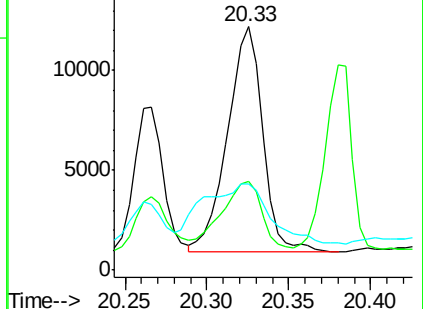
229 35.5 15.2 22.8#

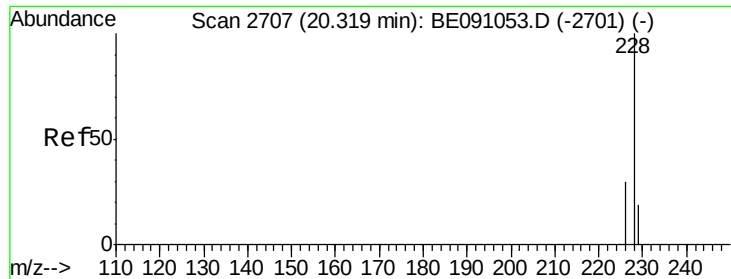


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.07 ng/ul

RT: 20.45 min Scan# 2736

Delta R.T. 0.13 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

Instrument :

BNA_E

ClientSampleId :

JG9J6

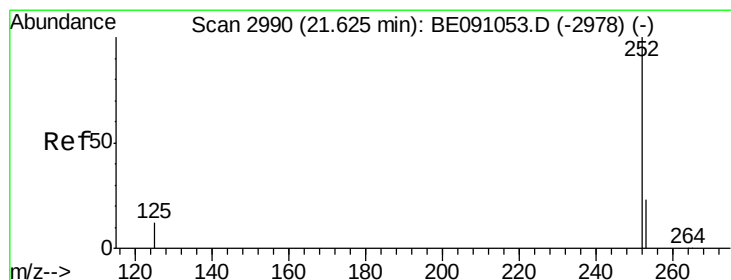
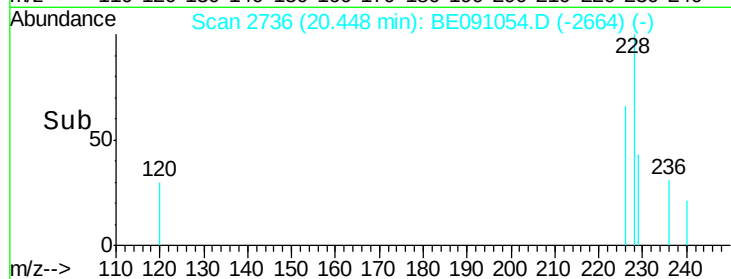
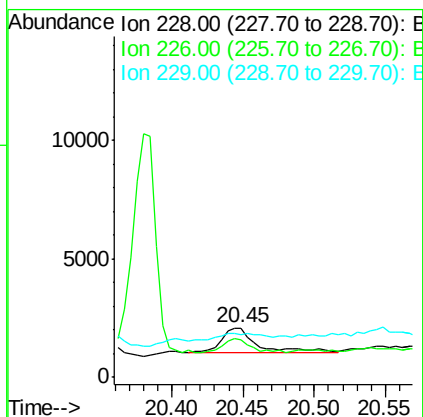
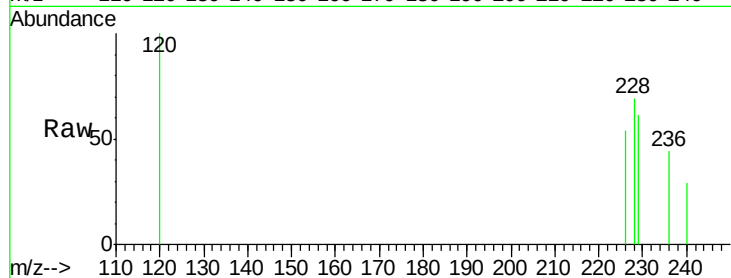
Tot Ion:228 Resp: 1720

Ion Ratio Lower Upper

228 100

226 77.5 25.7 38.5#

229 87.3 15.2 22.8#



#23

Benzo(b)fluoranthene

Concen: 0.11 ng/ul

RT: 21.63 min Scan# 2993

Delta R.T. 0.01 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

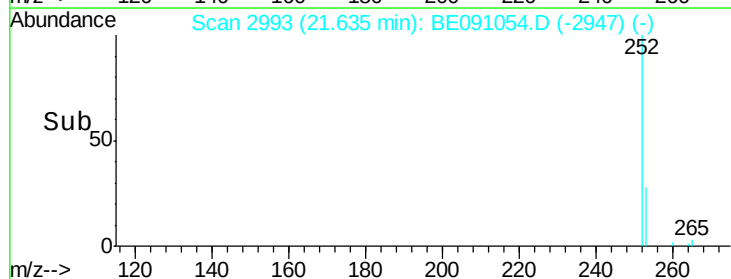
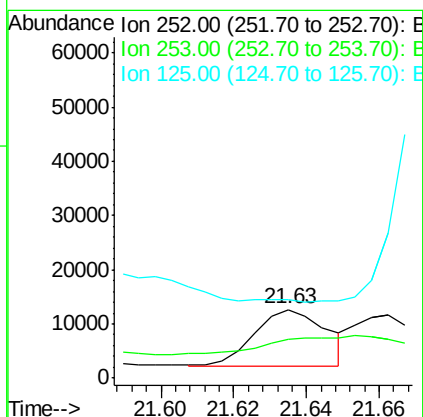
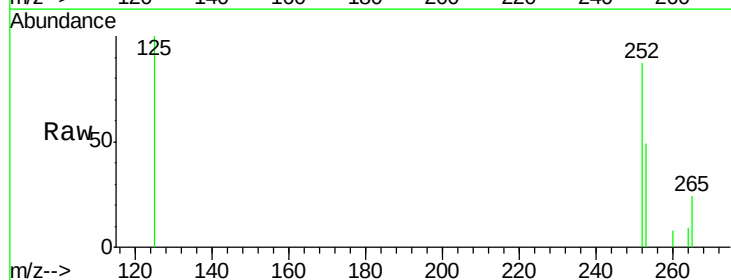
Tgt Ion:252 Resp: 14267

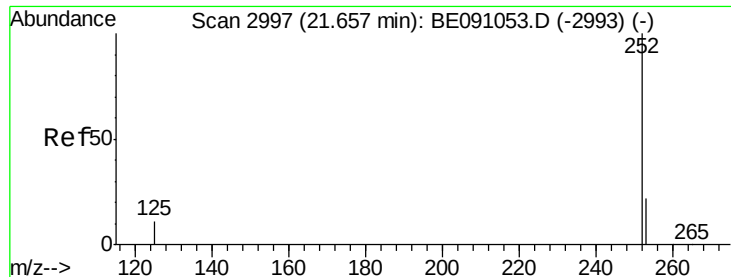
Ion Ratio Lower Upper

252 100

253 56.0 0.0 48.0#

125 114.6 0.0 36.6#





#24

Benzo(k)fluoranthene

Concen: 0.09 ng/ul

RT: 21.66 min Scan# 2999

Delta R.T. 0.01 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

Instrument :

BNA_E

ClientSampleId :

JG9J6

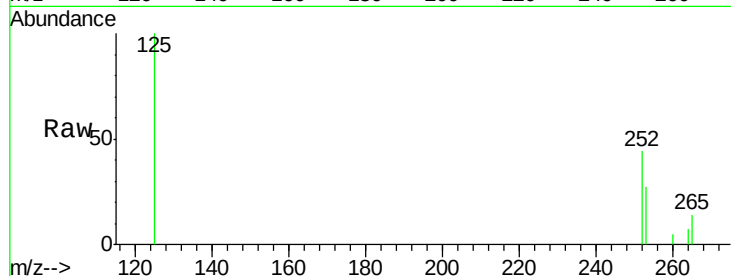
Tot Ion:252 Resp: 12206

Ion Ratio Lower Upper

252 100

253 61.6 20.8 31.2#

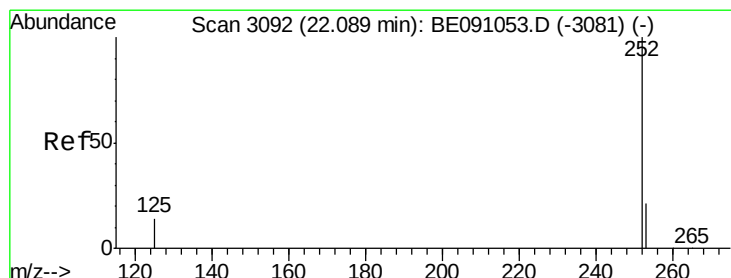
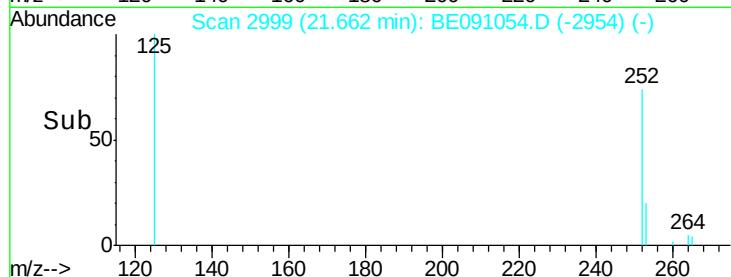
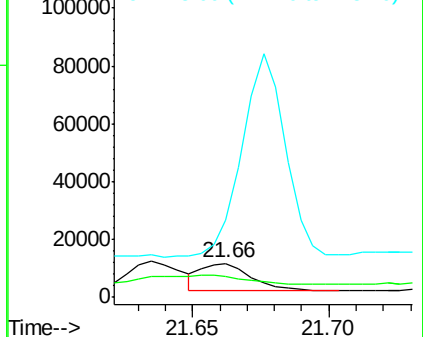
125 228.0 12.2 18.4#



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: 0.10 ng/ul

RT: 22.11 min Scan# 3097

Delta R.T. 0.02 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

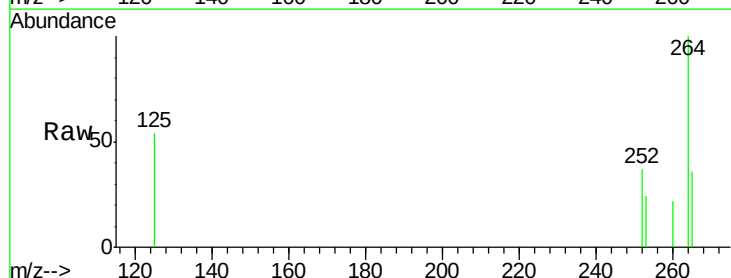
Tgt Ion:252 Resp: 11748

Ion Ratio Lower Upper

252 100

253 64.0 21.8 32.8#

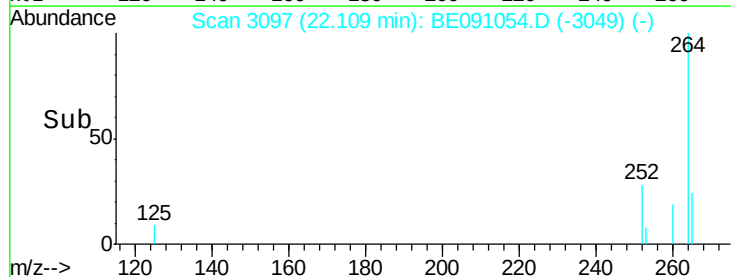
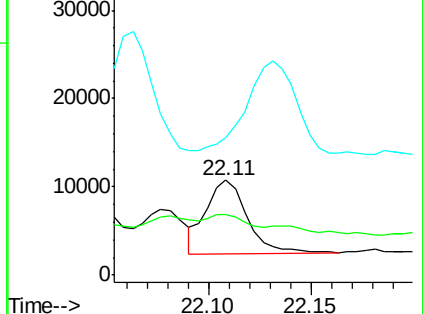
125 144.8 14.5 21.7#

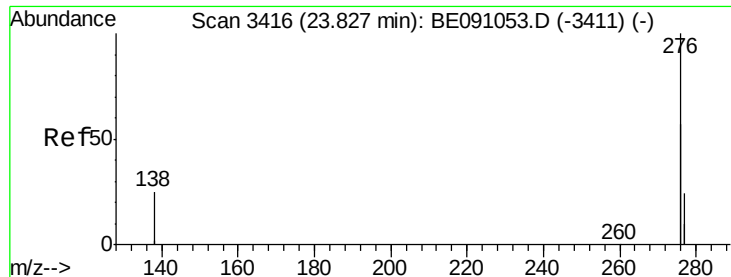


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

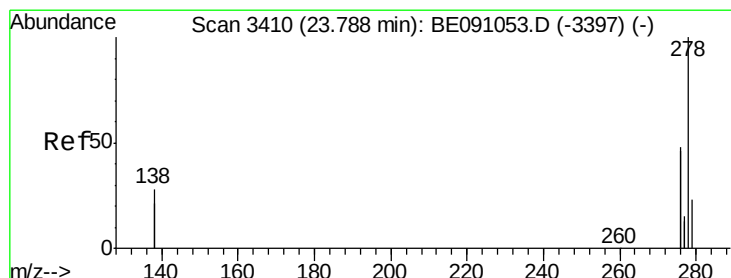
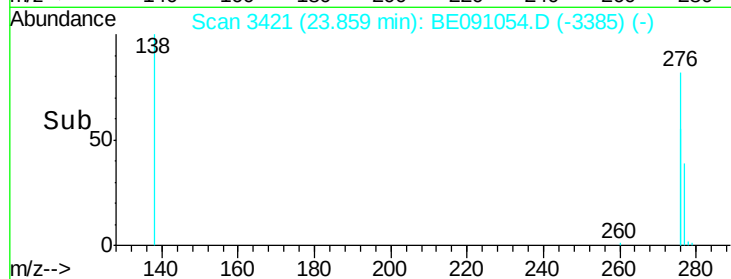
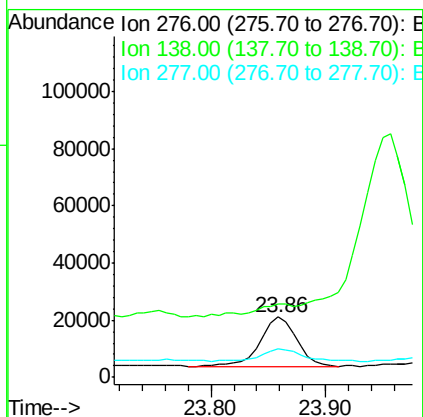
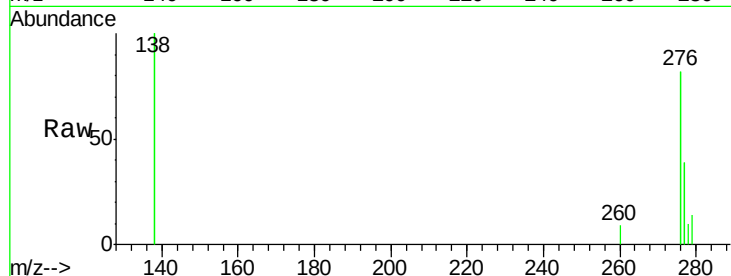




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.08 ng/ul
 RT: 23.86 min Scan# 3421
 Delta R.T. 0.03 min
 Lab File: BE091054.D
 Acq: 27 Oct 2015 18:23

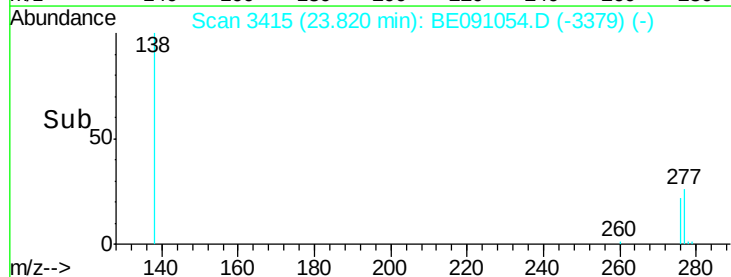
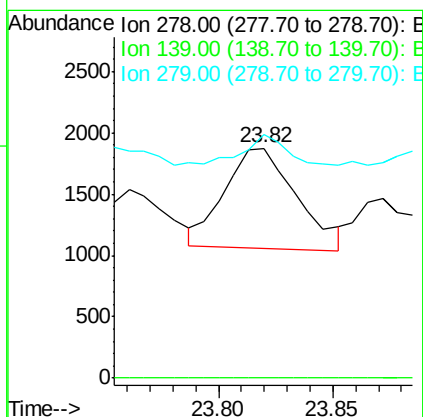
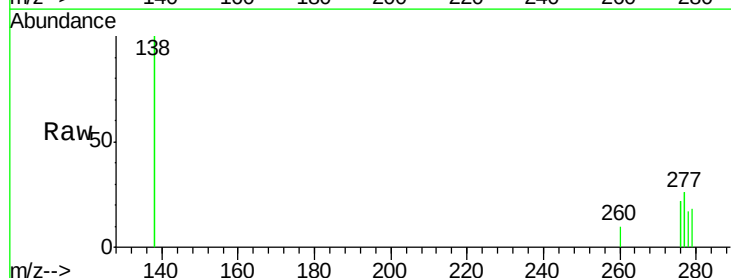
Instrument :
 BNA_E
 ClientSampleId :
 JG9J6

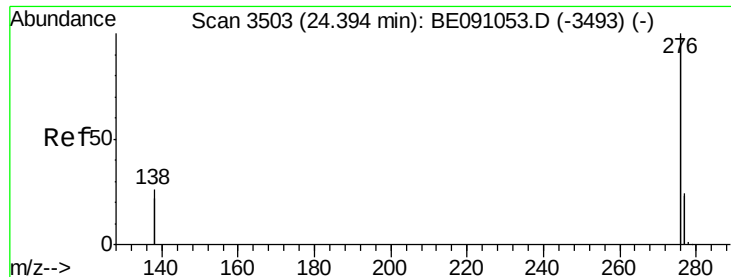
Tot Ion:276 Resp: 38846
 Ion Ratio Lower Upper
 276 100
 138 26.8 27.5 41.3#
 277 29.5 19.3 28.9#



#27
 Dibenzo(a,h)anthracene
 Concen: 0.01 ng/ul
 RT: 23.82 min Scan# 3415
 Delta R.T. 0.03 min
 Lab File: BE091054.D
 Acq: 27 Oct 2015 18:23

Tgt Ion:278 Resp: 1789
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 105.9 21.9 32.9#





#28

Benzo(a,h,i)perylene

Concen: 0.08 ng/ul

RT: 24.44 min Scan# 3510

Delta R.T. 0.04 min

Lab File: BE091054.D

Acq: 27 Oct 2015 18:23

Instrument :

BNA_E

ClientSampleId :

JG9J6

Tot Ion: 276 Resp: 42399

Ion Ratio Lower Upper

276 100

277 48.8 21.3 31.9#

138 488.3 25.5 38.3#

