

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111715\
 Data File : BE091217.D
 Acq On : 18 Nov 2015 00:31
 Operator : UM/NP
 Sample : G4273-11DL 25X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7DL

Quant Time: Nov 18 04:27:21 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 Nov 18 04:23:52 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	8	0.40	ng/ul	0.00
4) Naphthalene-d8	9.55	136	6	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.35	164	7	0.40	ng/ul	-0.02
12) Phenanthrene-d10	16.11	188	114	0.40	ng/ul	0.02
18) Chrysene-d12	20.25	240	146	0.40	ng/ul	0.02
22) Perylene-d12	22.14	264	36	0.40	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.01	96	53	9.21	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.06	152	8	0.98	ng/ul	0.00
16) Fluoranthene-d10	18.08	212	26	0.08	ng/ul	0.00

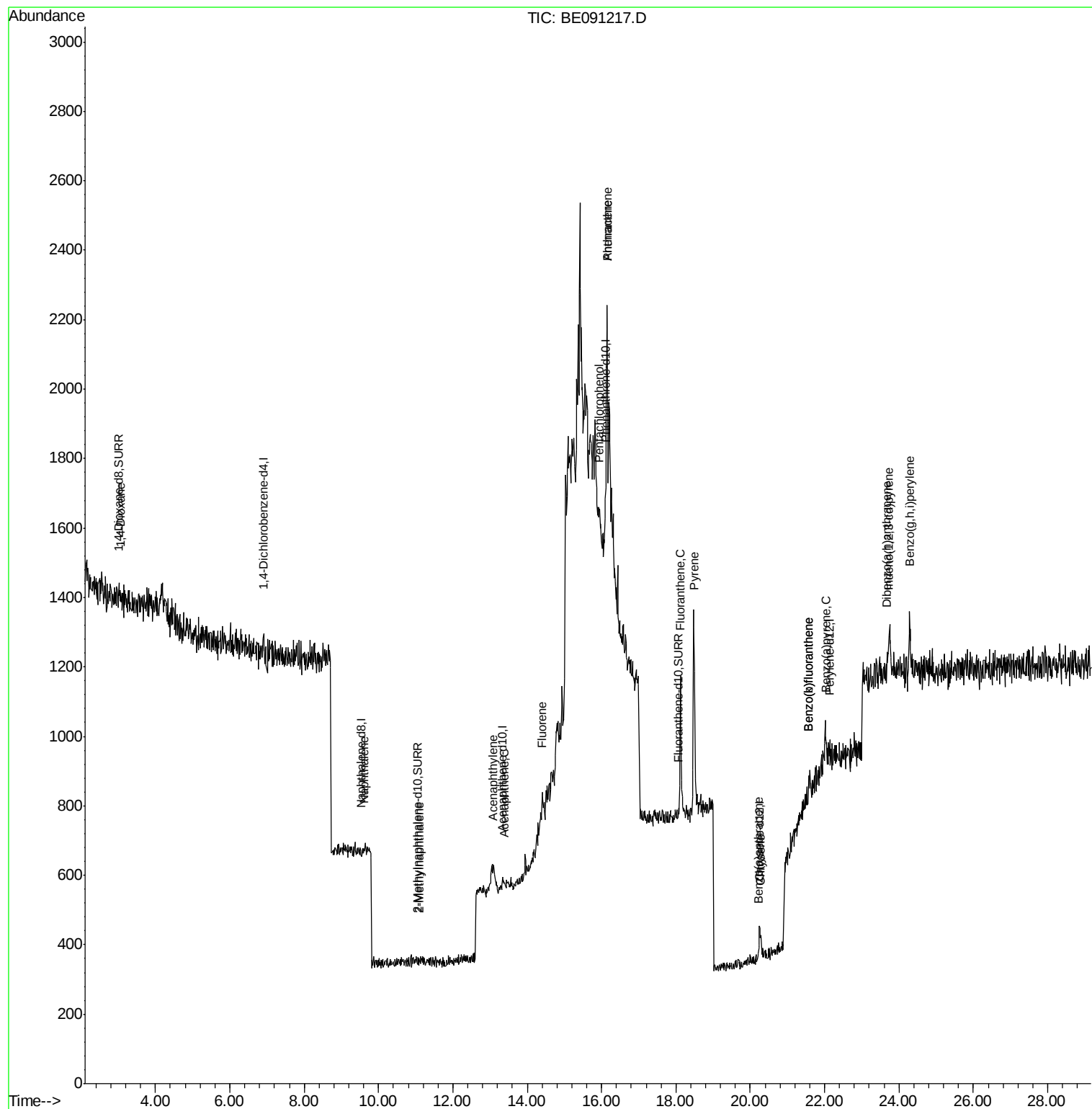
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.06	88	13	2.00	ng/ul#	24
5) Naphthalene	9.61	128	17	1.15	ng/ul#	1
7) 2-Methylnaphthalene	11.09	142	4	0.41	ng/ul	87
9) Acenaphthylene	13.08	152	8	0.23	ng/ul#	1
10) Acenaphthene	13.39	153	10	0.42	ng/ul#	63
11) Fluorene	14.42	166	72	2.34	ng/ul#	51
13) Pentachlorophenol	15.93	266	17	1.57	ng/ul#	35
14) Phenanthrene	16.15	178	2374	1.80	ng/ul#	26
15) Anthracene	16.15	178	2500	2.09	ng/ul#	26
17) Fluoranthene	18.12	202	649	0.42	ng/ul#	47
19) Pyrene	18.49	202	526	0.32	ng/ul#	41
20) Benzo(a)anthracene	20.22	228	33	0.09	ng/ul#	1
21) Chrysene	20.28	228	66	0.15	ng/ul#	21
23) Benzo(b)fluoranthene	21.57	252	113	1.01	ng/ul#	1
24) Benzo(k)fluoranthene	21.57	252	113	0.98	ng/ul#	1
25) Benzo(a)pyrene	22.04	252	28	0.27	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.73	276	371	0.85	ng/ul#	65
27) Dibenzo(a,h)anthracene	23.69	278	76	0.73	ng/ul#	7
28) Benzo(g,h,i)perylene	24.29	276	328	0.72	ng/ul#	1

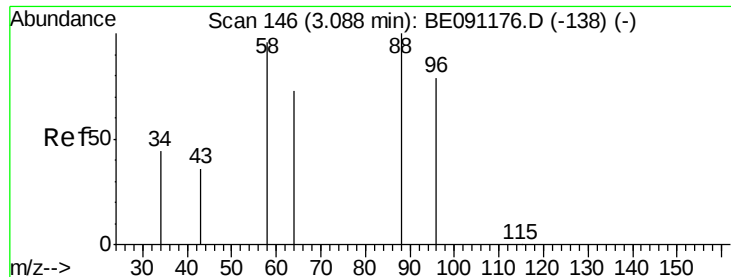
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 18 04:27:21 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 18 04:23:52 2015
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#3

1,4-Dioxane

Concen: 2.00 ng/ul

RT: 3.06 min Scan# 142

Delta R.T. 0.02 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

Instrument :

BNA_E

ClientSampled :

C0AP7DL

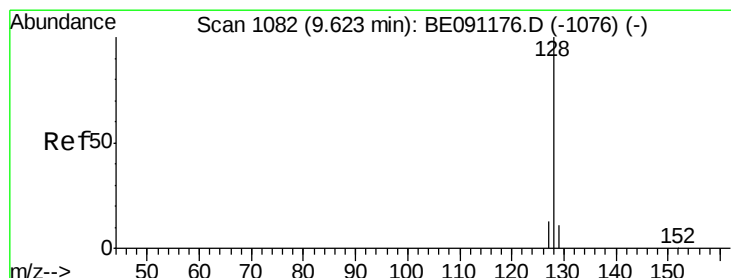
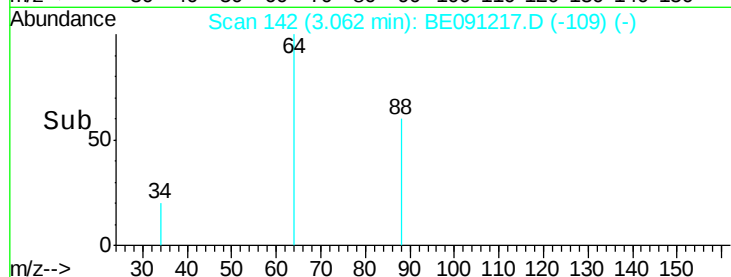
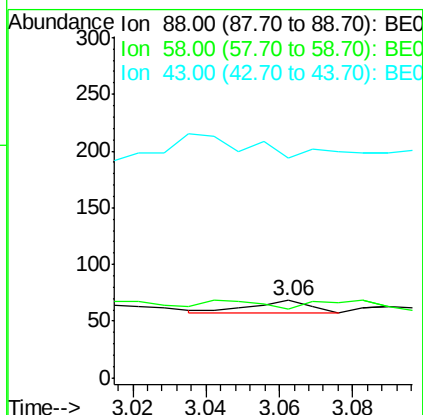
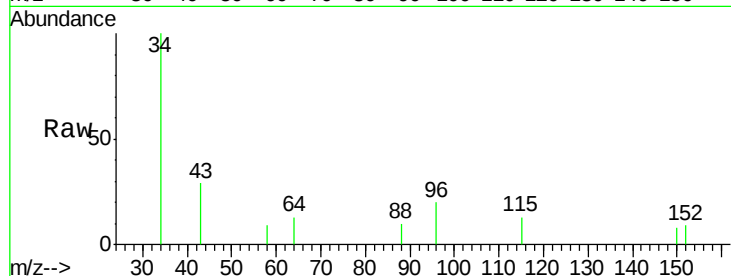
Tgt Ion: 88 Resp: 13

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

43 0.0 24.2 36.2#



#5

Naphthalene

Concen: 1.15 ng/ul

RT: 9.61 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

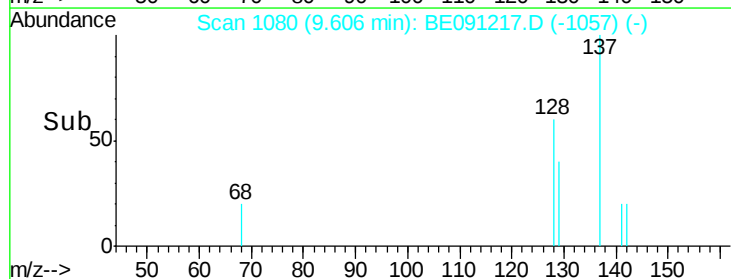
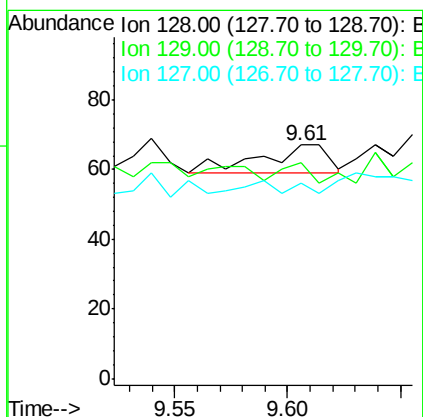
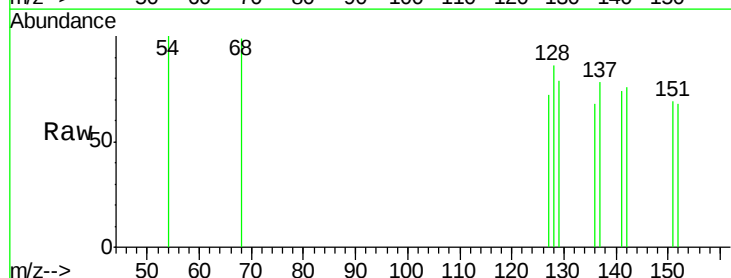
Tgt Ion: 128 Resp: 17

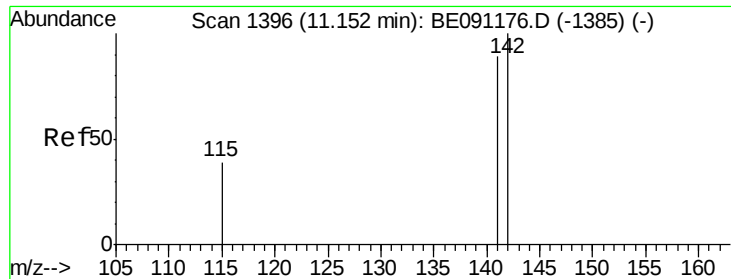
Ion Ratio Lower Upper

128 100

129 92.5 9.8 14.8#

127 83.6 10.7 16.1#





#7

2-Methylnaphthalene

Concen: 0.41 ng/ul

RT: 11.09 min Scan# 1382

Delta R.T. -0.05 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

Instrument :

BNA_E

ClientSampleId :

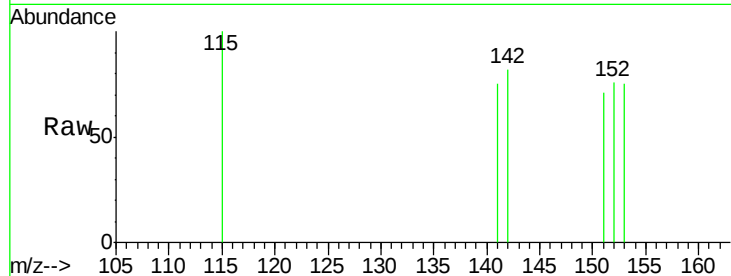
C0AP7DL

Tgt Ion:142 Resp: 4

Ion Ratio Lower Upper

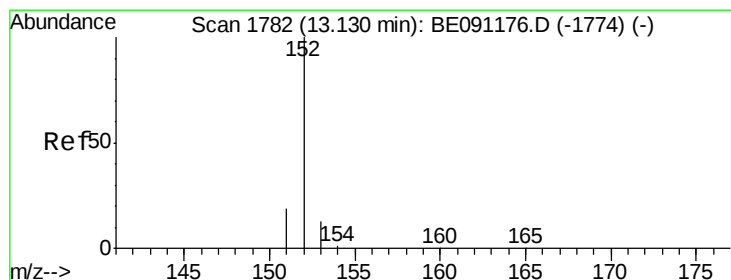
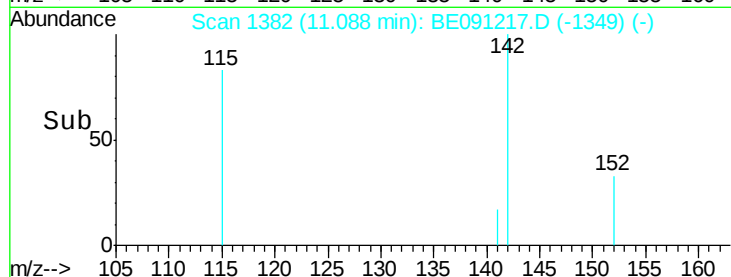
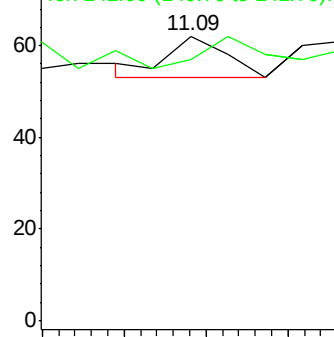
142 100

141 100.0 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: 0.23 ng/ul

RT: 13.08 min Scan# 1776

Delta R.T. -0.04 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

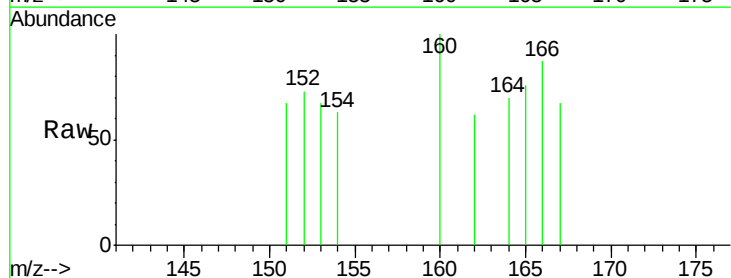
Tgt Ion:152 Resp: 8

Ion Ratio Lower Upper

152 100

151 92.1 16.8 25.2#

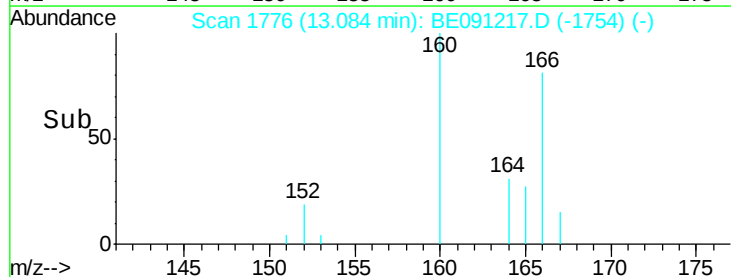
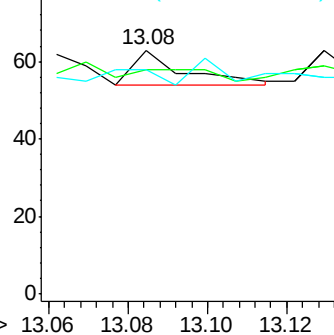
153 92.1 11.3 16.9#

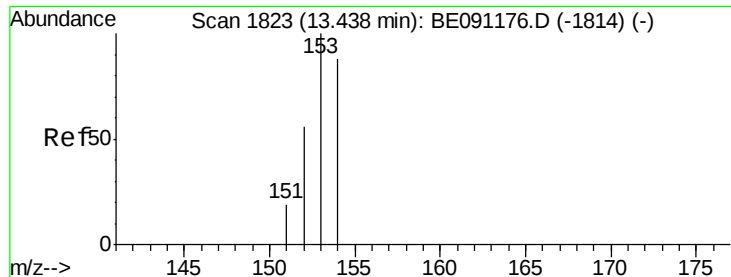


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 13.39 min Scan# 1817

Delta R.T. -0.04 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

Instrument :

BNA_E

ClientSampleId :

C0AP7DL

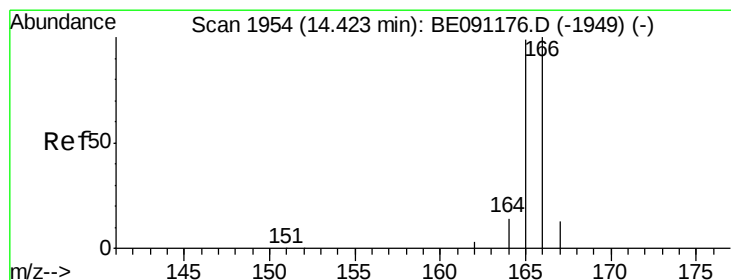
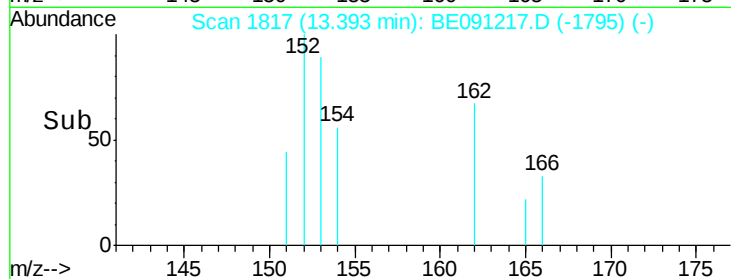
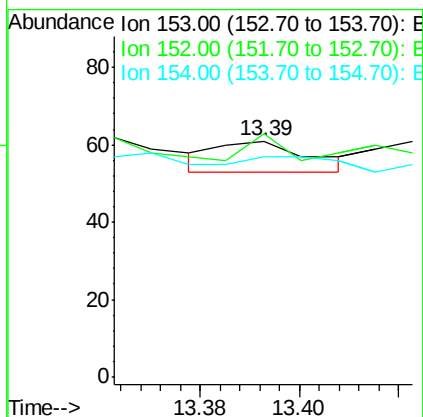
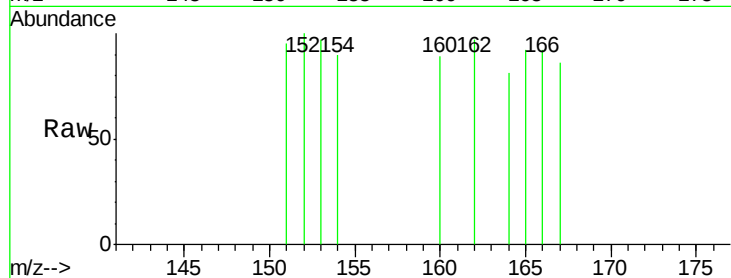
Tgt Ion:153 Resp: 10

Ion Ratio Lower Upper

153 100

152 103.3 42.3 63.5#

154 93.4 64.7 97.1



#11

Fluorene

Concen: 2.34 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

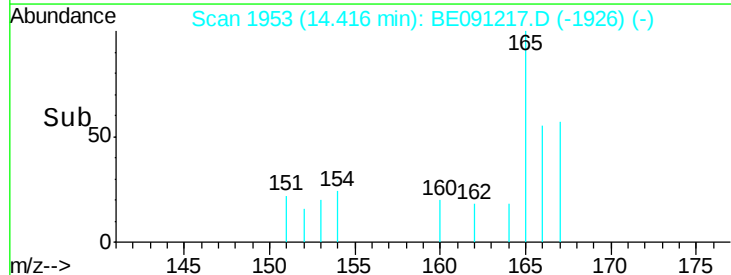
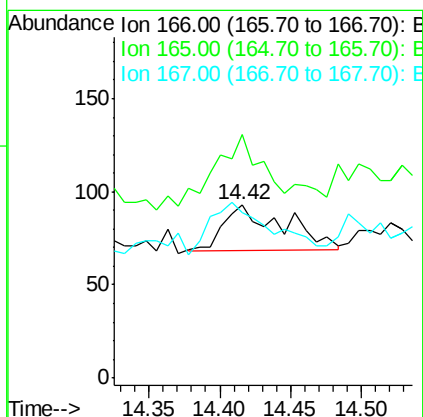
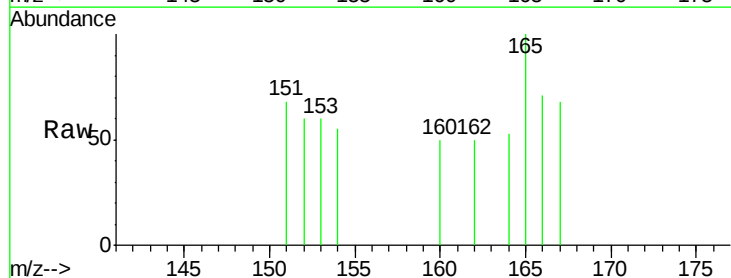
Tgt Ion:166 Resp: 72

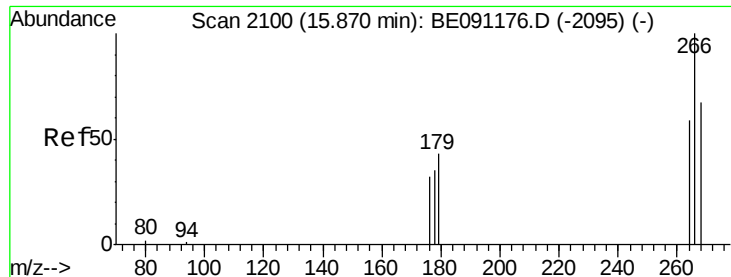
Ion Ratio Lower Upper

166 100

165 140.9 87.6 131.4#

167 95.7 11.1 16.7#

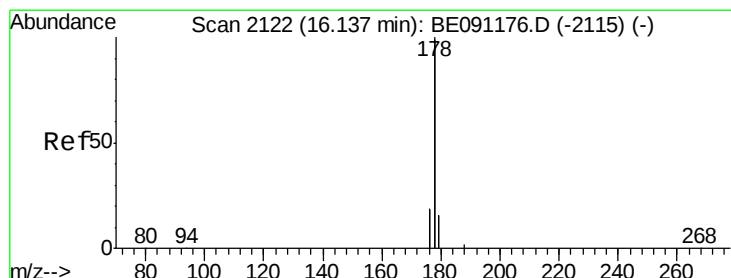
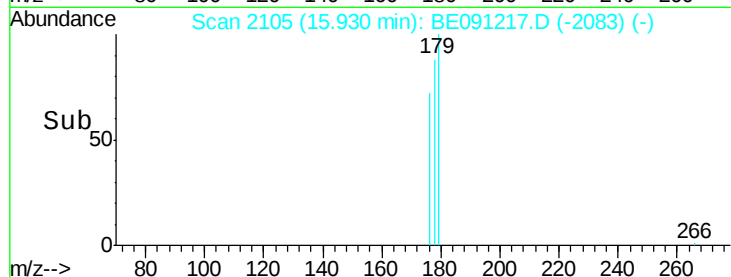
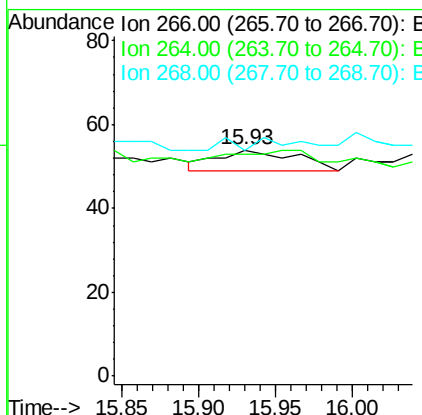
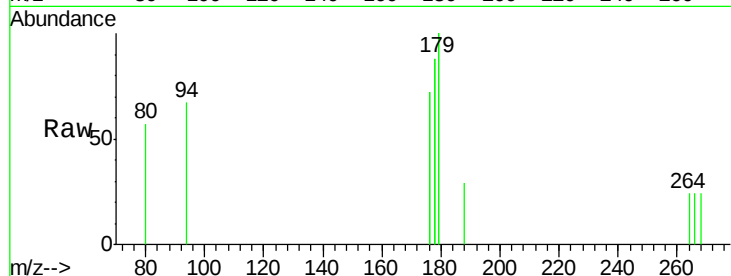




#13
 Pentachlorophenol
 Concen: 1.57 ng/ul
 RT: 15.93 min Scan# 2105
 Delta R.T. 0.07 min
 Lab File: BE091217.D
 Acq: 18 Nov 2015 00:31

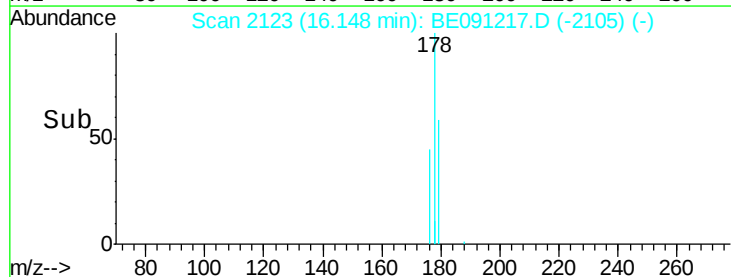
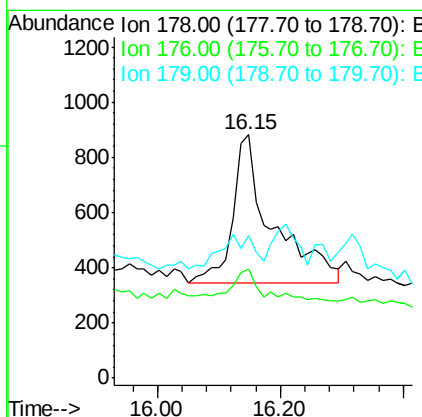
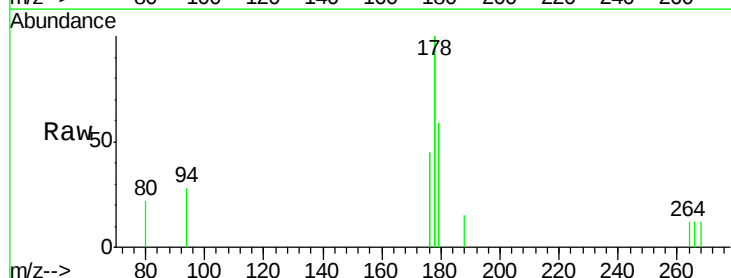
Instrument :
 BNA_E
 ClientSampleId :
 C0AP7DL

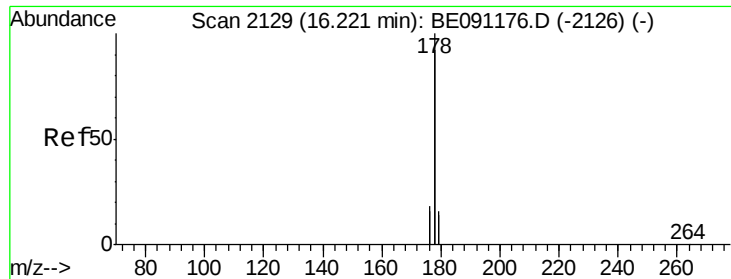
Tgt Ion: 266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 29.4 54.2 81.2#



#14
 Phenanthrene
 Concen: 1.80 ng/ul
 RT: 16.15 min Scan# 2123
 Delta R.T. 0.02 min
 Lab File: BE091217.D
 Acq: 18 Nov 2015 00:31

Tgt Ion: 178 Resp: 2374
 Ion Ratio Lower Upper
 178 100
 176 44.9 16.2 24.4#
 179 58.5 12.8 19.2#





#15

Anthracene

Concen: 2.09 ng/ul

RT: 16.15 min Scan# 2123

Delta R.T. -0.06 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

Instrument :

BNA_E

ClientSampleId :

C0AP7DL

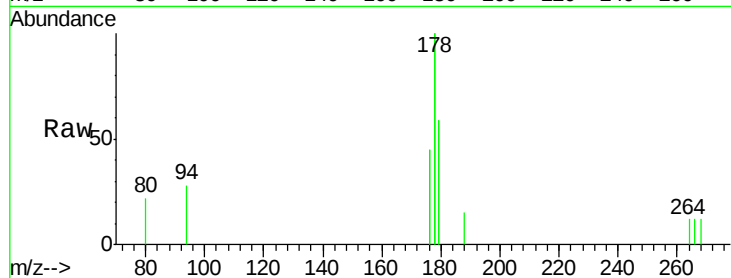
Tgt Ion:178 Resp: 2500

Ion Ratio Lower Upper

178 100

176 44.9 15.8 23.8#

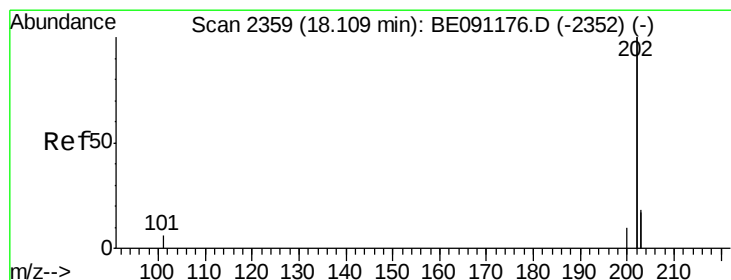
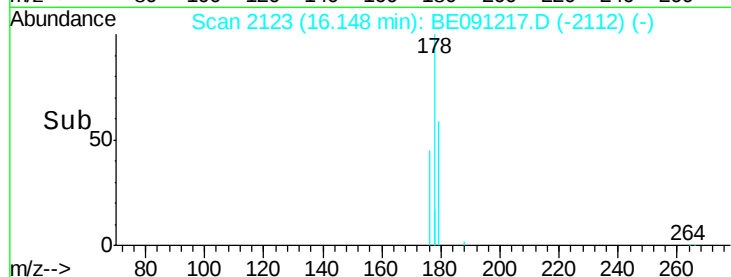
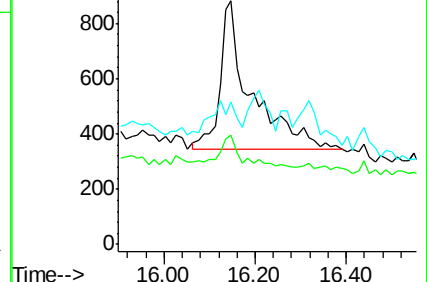
179 58.5 13.3 19.9#



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: 0.42 ng/ul

RT: 18.12 min Scan# 2361

Delta R.T. 0.02 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

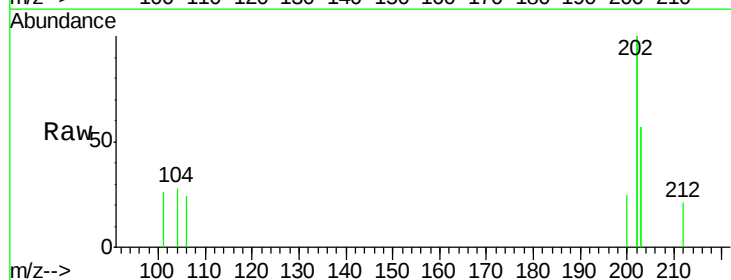
Tgt Ion:202 Resp: 649

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.1

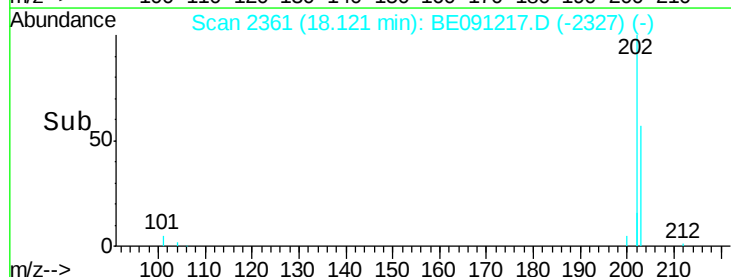
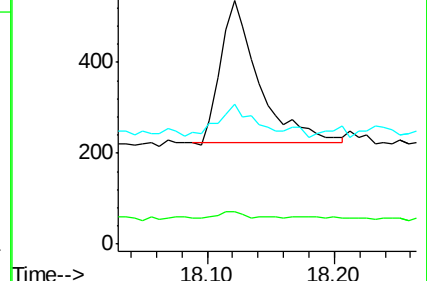
203 57.5 0.0 37.2#

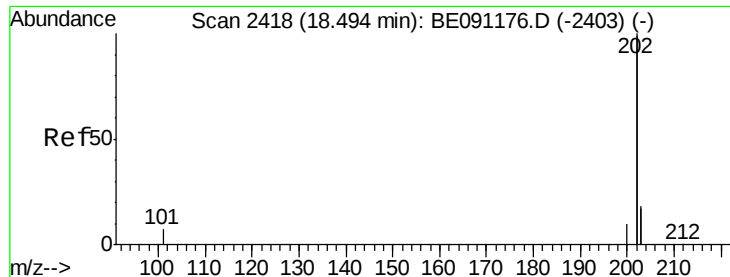


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.32 ng/ul

RT: 18.49 min Scan# 2418

Delta R.T. 0.01 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

Instrument :

BNA_E

ClientSampleId :

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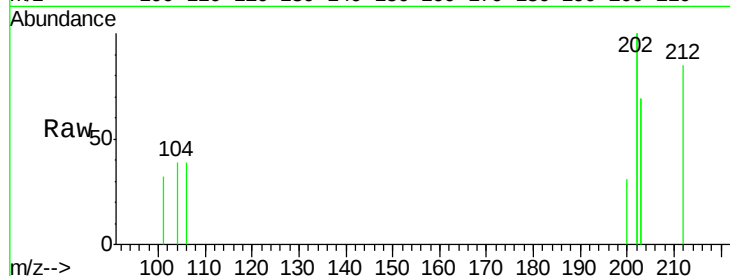
Tgt Ion:202 Resp: 526

Ion Ratio Lower Upper

202 100

200 15.5 18.0 27.0#

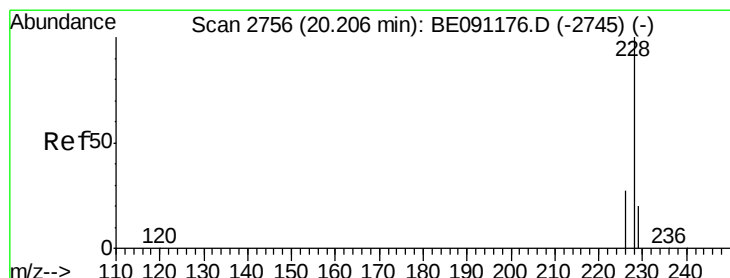
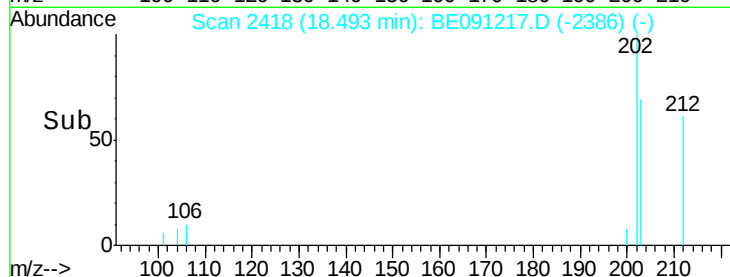
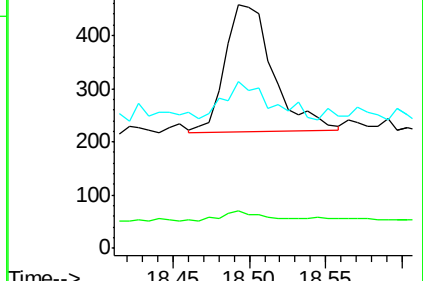
203 68.6 13.8 20.6#



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: 0.09 ng/ul

RT: 20.22 min Scan# 2760

Delta R.T. 0.02 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

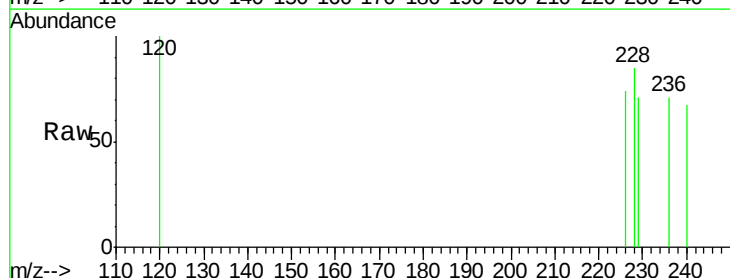
Tgt Ion:228 Resp: 33

Ion Ratio Lower Upper

228 100

226 87.1 23.0 34.4#

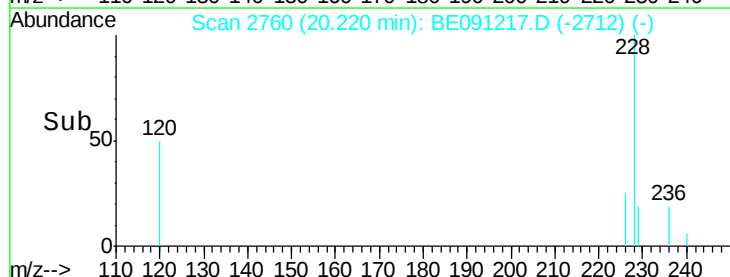
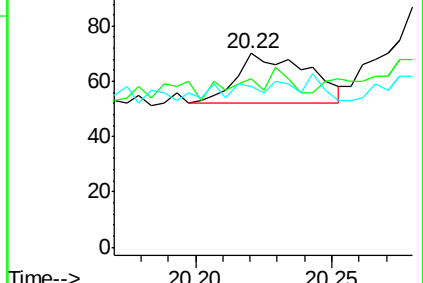
229 82.9 15.2 22.8#

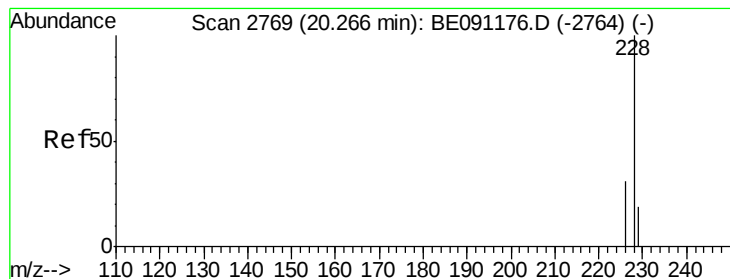


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.15 ng/ul

RT: 20.28 min Scan# 2774

Delta R.T. 0.02 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

Instrument :

BNA_E

ClientSampleId :

C0AP7DL

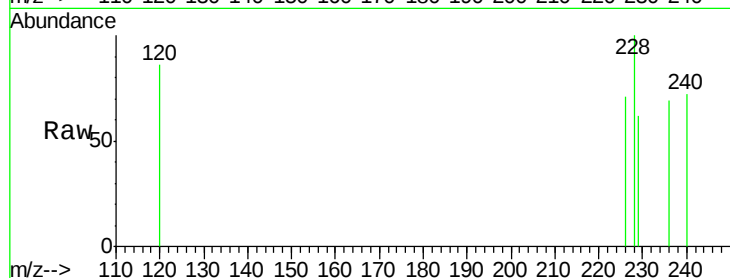
Tgt Ion:228 Resp: 66

Ion Ratio Lower Upper

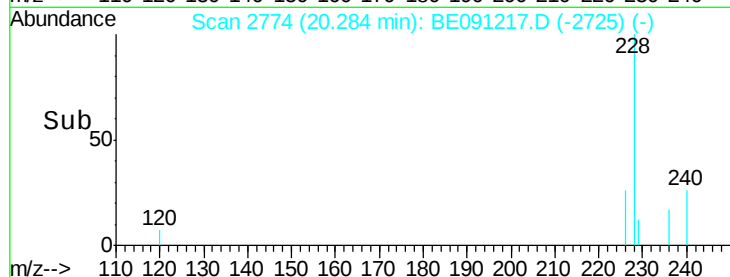
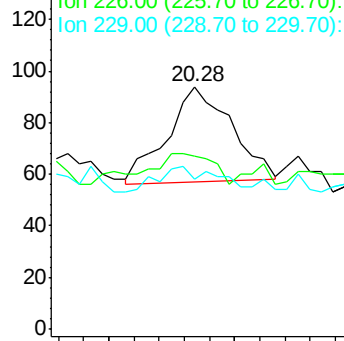
228 100

226 71.3 25.7 38.5#

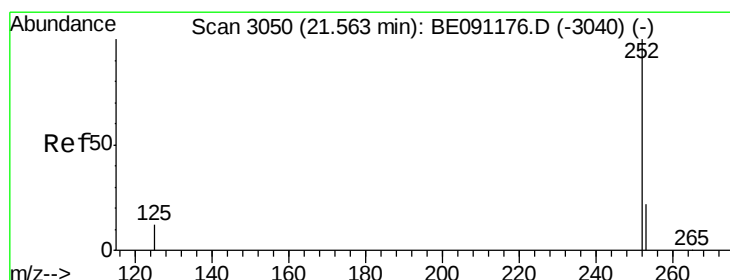
229 61.7 15.2 22.8#



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



Time--> 20.25 20.30



#23

Benzo(b)fluoranthene

Concen: 1.01 ng/ul

RT: 21.57 min Scan# 3053

Delta R.T. 0.01 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

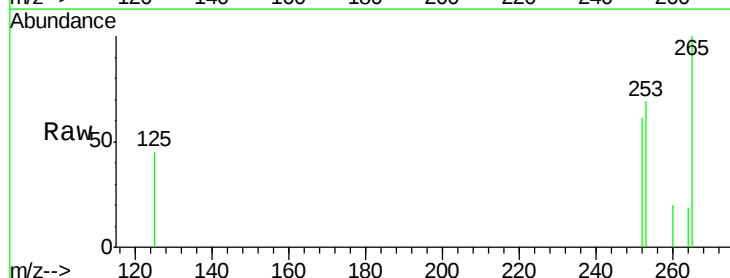
Tgt Ion:252 Resp: 113

Ion Ratio Lower Upper

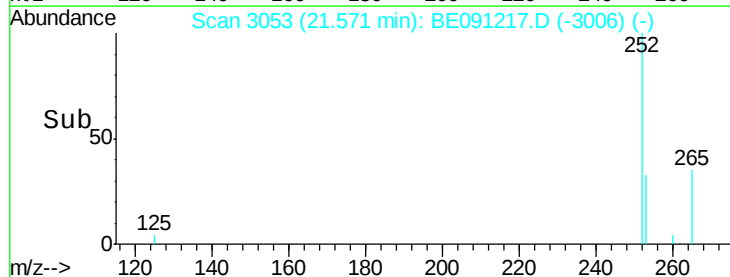
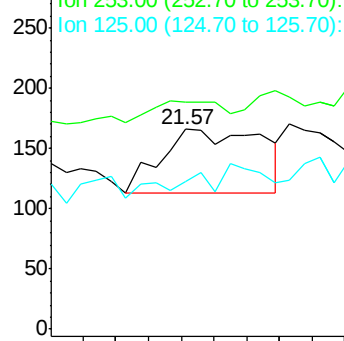
252 100

253 113.9 0.0 48.0#

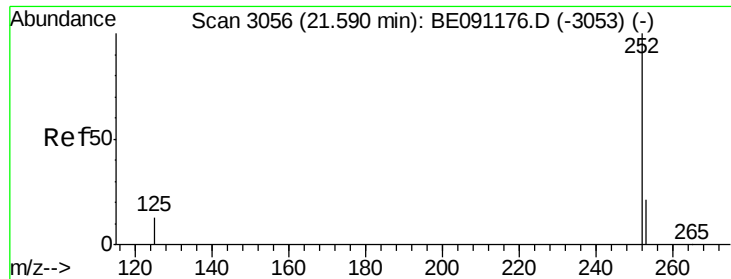
125 74.1 0.0 36.6#



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



Time--> 21.55 21.60



#24

Benzo(k)fluoranthene

Concen: 0.98 ng/ul

RT: 21.57 min Scan# 3053

Delta R.T. -0.01 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

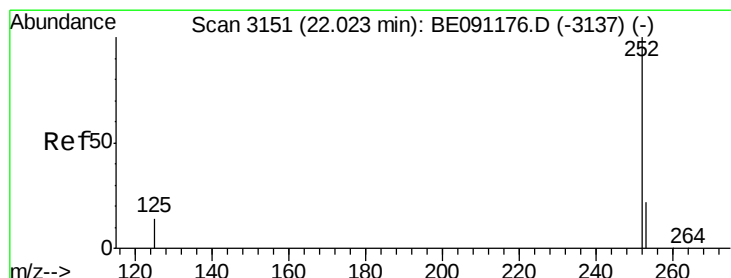
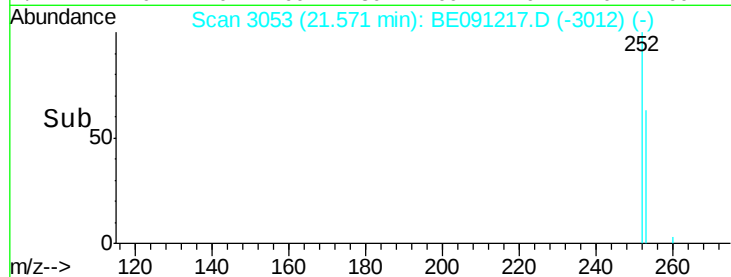
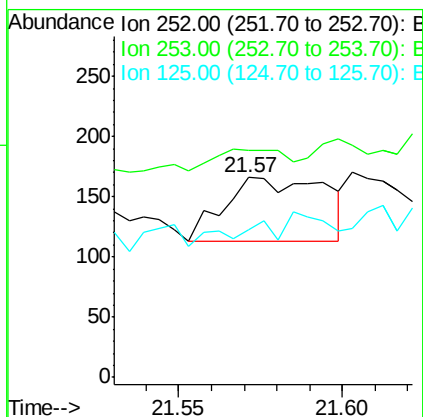
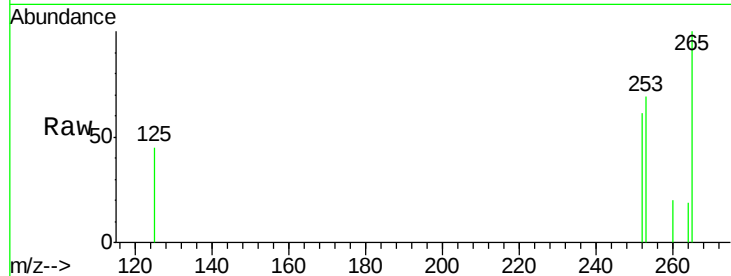
Instrument :

BNA_E

ClientSampleId :

C0AP7DL

Tgt Ion:	252	Resp:	113
Ion	Ratio	Lower	Upper
252	100		
253	113.9	20.8	31.2#
125	74.1	12.2	18.4#



#25

Benzo(a)pyrene

Concen: 0.27 ng/ul

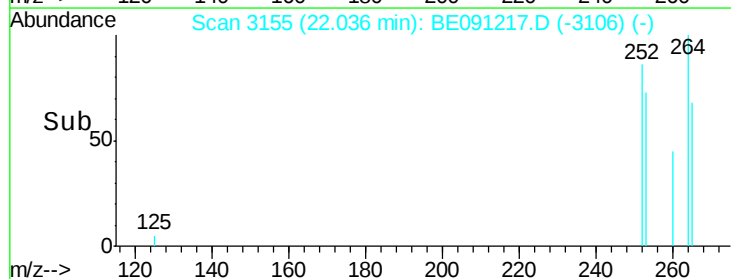
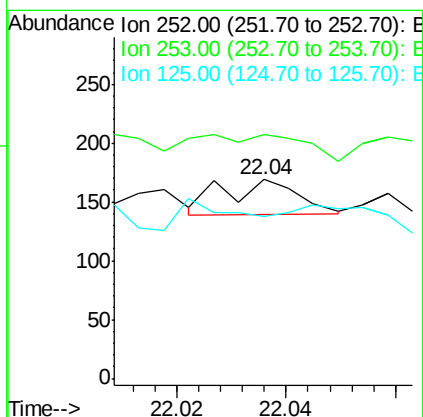
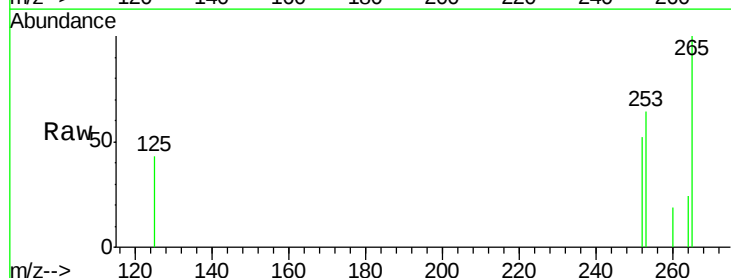
RT: 22.04 min Scan# 3155

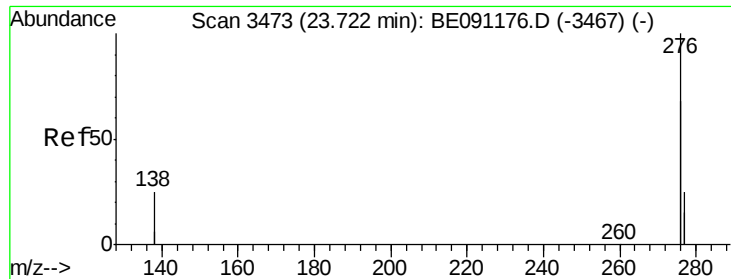
Delta R.T. 0.02 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

Tgt Ion:	252	Resp:	28
Ion	Ratio	Lower	Upper
252	100		
253	122.5	21.8	32.8#
125	81.7	14.5	21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.85 ng/ul

RT: 23.73 min Scan# 3476

Delta R.T. 0.03 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

Instrument :

BNA_E

ClientSampleId :

C0AP7DL

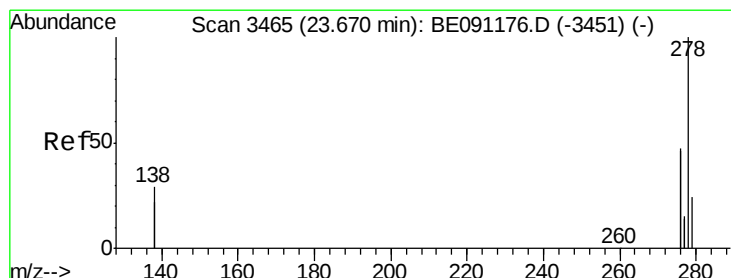
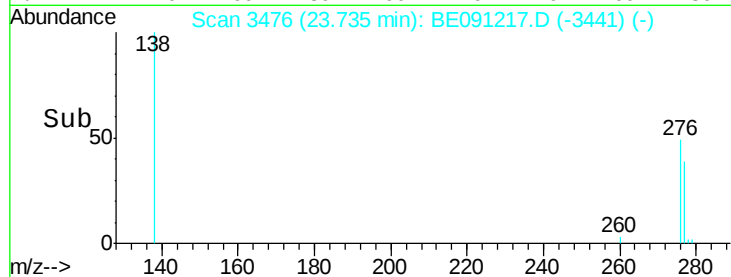
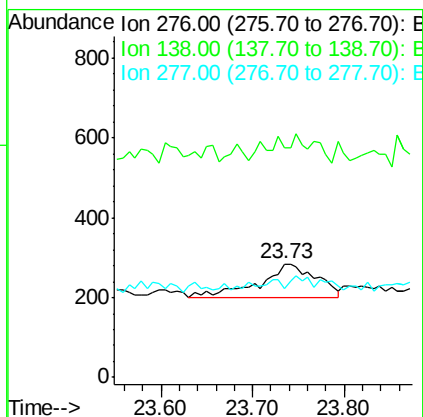
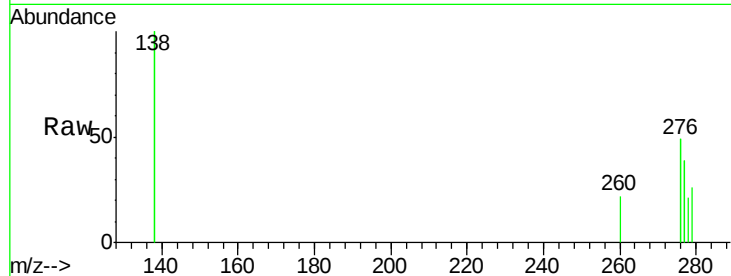
Tgt Ion: 276 Resp: 371

Ion Ratio Lower Upper

276 100

138 13.2 27.5 41.3#

277 8.4 19.3 28.9#



#27

Dibenzo(a,h)anthracene

Concen: 0.73 ng/ul

RT: 23.69 min Scan# 3469

Delta R.T. 0.03 min

Lab File: BE091217.D

Acq: 18 Nov 2015 00:31

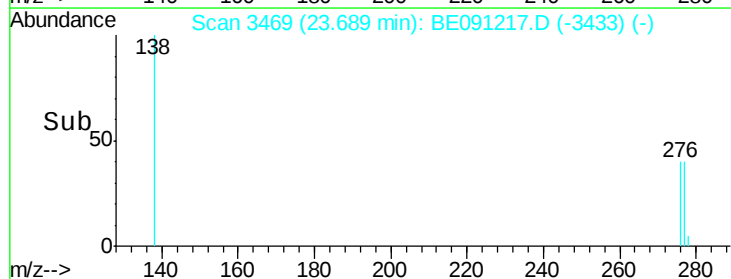
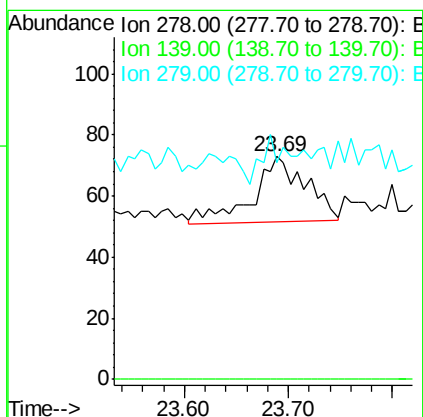
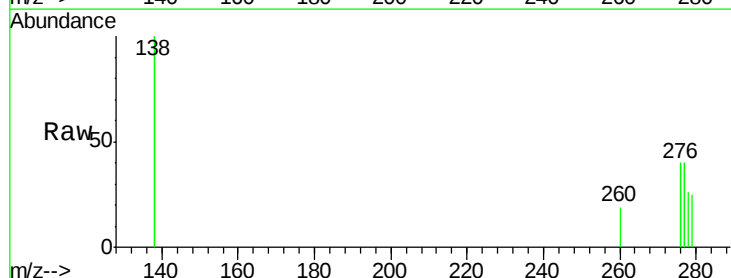
Tgt Ion: 278 Resp: 76

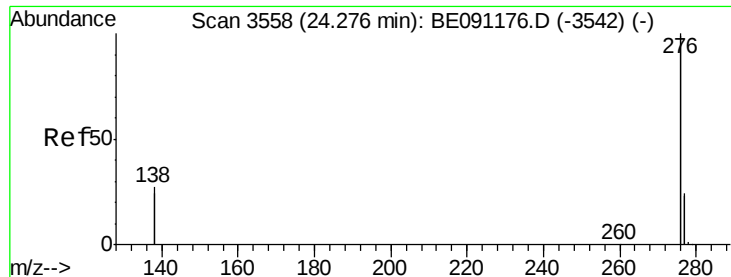
Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

279 97.3 21.9 32.9#





#28

Benzo(g,h,i)perylene

Concen: 0.72 ng/ul

RT: 24.29 min Scan# 3561

Delta R.T. 0.02 min

Lab File: BE091217.D

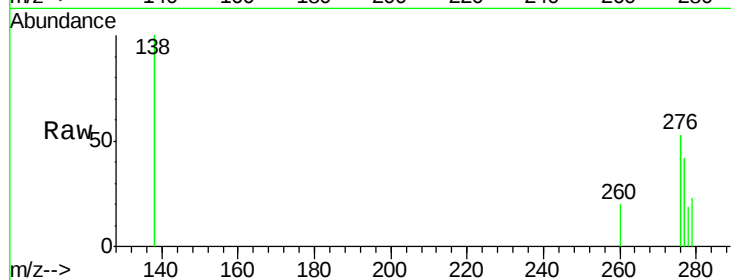
Acq: 18 Nov 2015 00:31

Instrument :

BNA_E

ClientSampleId :

C0AP7DL



Tgt Ion: 276 Resp: 328

Ion Ratio Lower Upper

276 100

277 78.9 21.3 31.9#

138 187.0 25.5 38.3#

