

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111715\
 Data File : BE091216.D
 Acq On : 17 Nov 2015 22:22
 Operator : UM/NP
 Sample : G4273-05DL 25X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 18 04:27:06 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

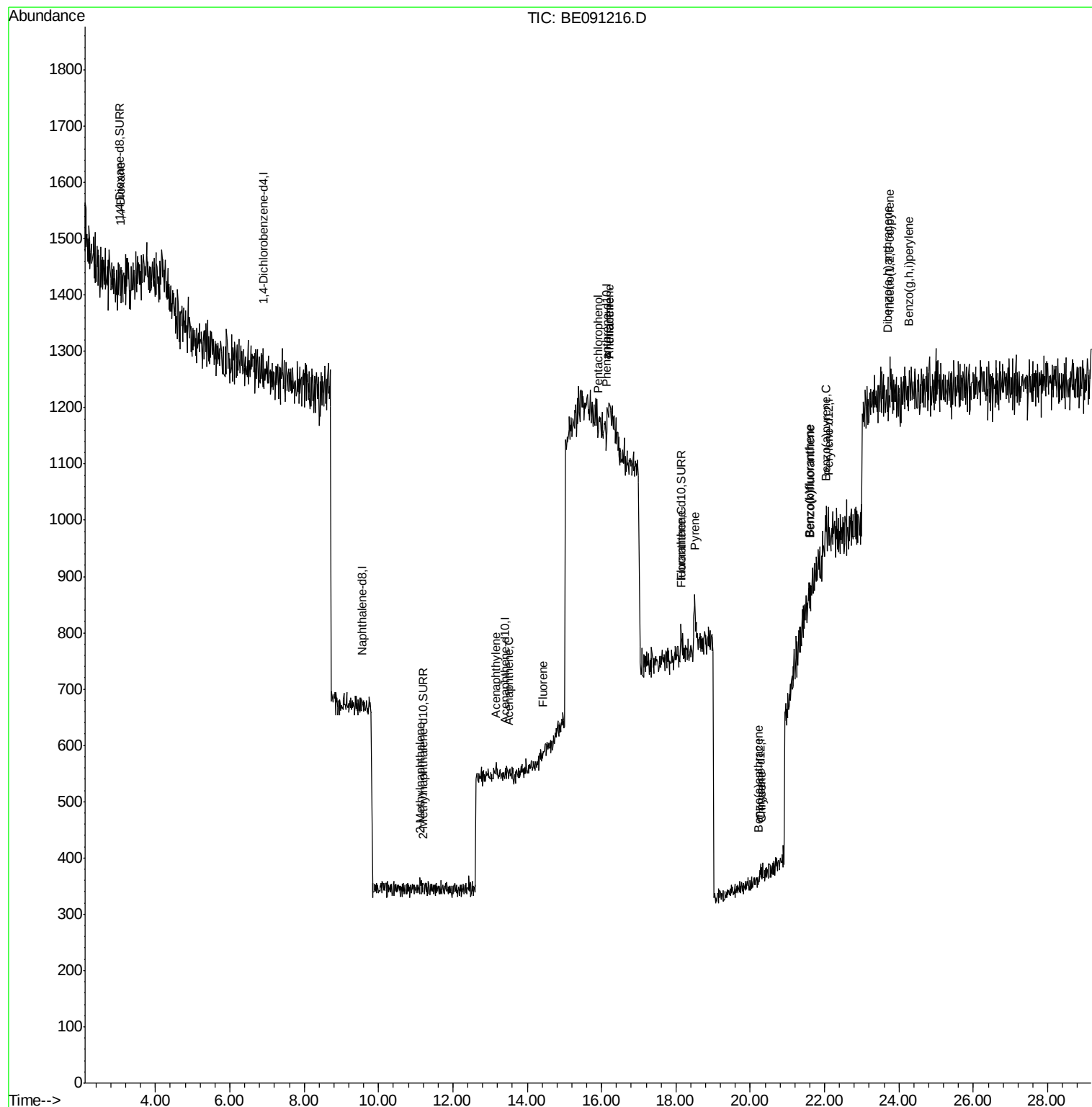
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	7	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	6	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.42	164	16	0.40	ng/ul	0.04
12) Phenanthrene-d10	16.14	188	26	0.40	ng/ul	0.05
18) Chrysene-d12	20.28	240	31	0.40	ng/ul	0.05
22) Perylene-d12	22.13	264	12	0.40	ng/ul	0.02
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.02	96	24	4.77	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.18	152	5	0.61	ng/ul	0.12
16) Fluoranthene-d10	18.13	212	3	0.04	ng/ul	0.06
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.06	88	18	3.16	ng/ul#	81
7) 2-Methylnaphthalene	11.12	142	7	0.73	ng/ul	82
9) Acenaphthylene	13.16	152	16	0.20	ng/ul#	1
10) Acenaphthene	13.50	153	10	0.18	ng/ul#	62
11) Fluorene	14.44	166	3	0.04	ng/ul#	68
13) Pentachlorophenol	15.91	266	1	0.40	ng/ul#	16
14) Phenanthrene	16.20	178	389	1.30	ng/ul#	1
15) Anthracene	16.20	178	389	1.42	ng/ul#	1
17) Fluoranthene	18.15	202	98	0.28	ng/ul#	1
19) Pyrene	18.51	202	111	0.32	ng/ul#	18
20) Benzo(a)anthracene	20.24	228	20	0.25	ng/ul#	1
21) Chrysene	20.31	228	11	0.12	ng/ul#	1
23) Benzo(b)fluoranthene	21.58	252	34	0.91	ng/ul#	1
24) Benzo(k)fluoranthene	21.62	252	27	0.70	ng/ul#	1
25) Benzo(a)pyrene	22.04	252	21	0.61	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.75	276	107	0.74	ng/ul#	28
27) Dibenzo(a,h)anthracene	23.70	278	22	0.64	ng/ul#	1
28) Benzo(a,h,i)perylene	24.28	276	58	0.38	ng/ul#	1

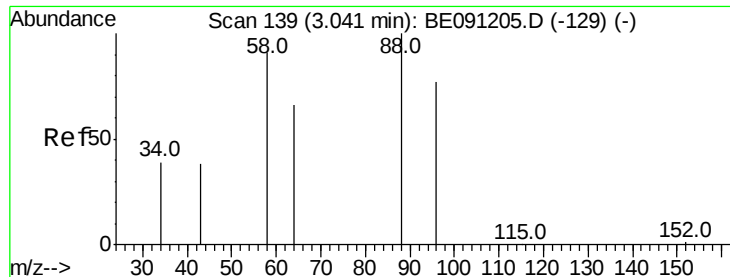
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 3.16 ng/ul

RT: 3.06 min Scan# 141

Delta R.T. 0.01 min

Lab File: BE091216.D

Acq: 17 Nov 2015 22:22

Instrument :

BNA_E

ClientSampleId :

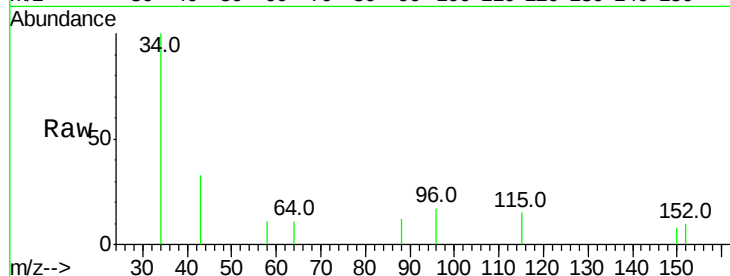
Tot Ion: 88 Resp: 18

Ion Ratio Lower Upper

88 100

58 72.2 55.4 83.2

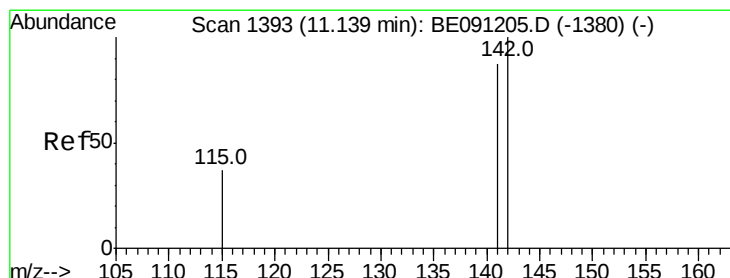
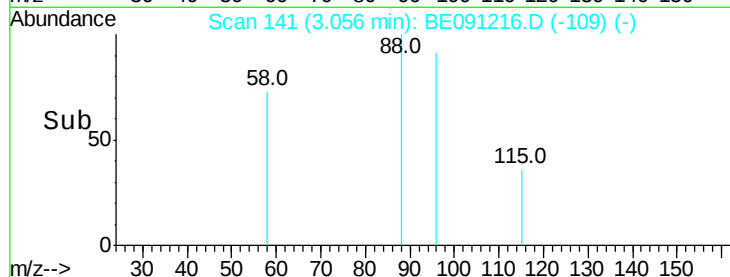
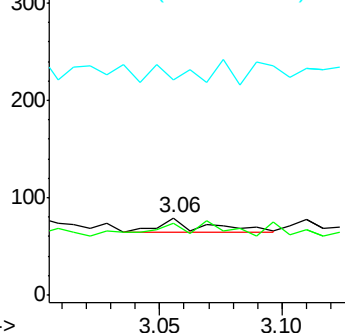
43 0.0 24.2 36.2#



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



#7

2-Methylnaphthalene

Concen: 0.73 ng/ul

RT: 11.12 min Scan# 1389

Delta R.T. -0.02 min

Lab File: BE091216.D

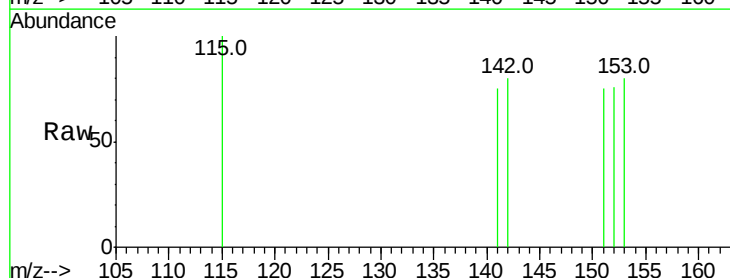
Acq: 17 Nov 2015 22:22

Tgt Ion: 142 Resp: 7

Ion Ratio Lower Upper

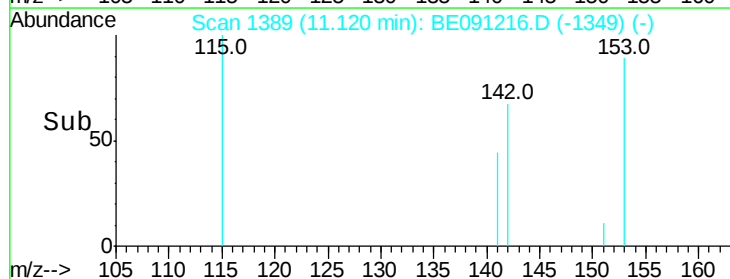
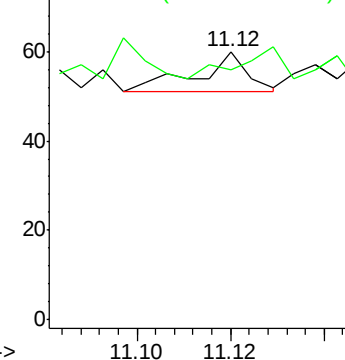
142 100

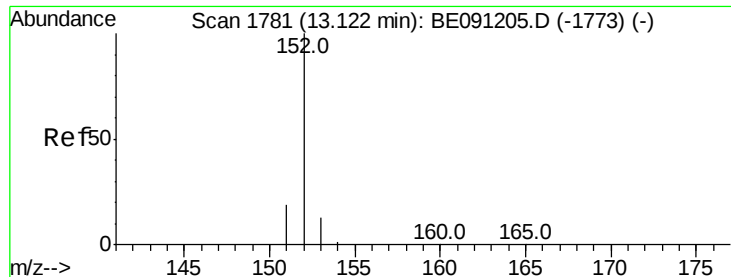
141 71.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.20 ng/ul

RT: 13.16 min Scan# 1786

Delta R.T. 0.04 min

Lab File: BE091216.D

Acq: 17 Nov 2015 22:22

Instrument :

BNA_E

ClientSampleId :

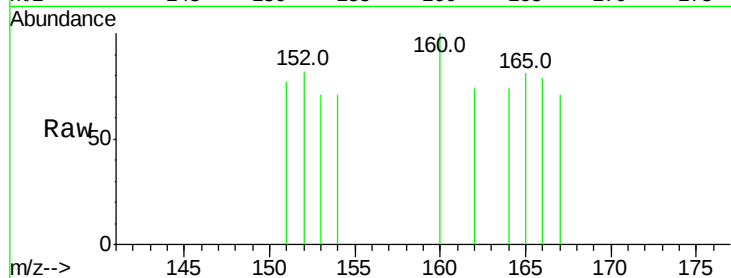
Tot Ion:152 Resp: 16

Ion Ratio Lower Upper

152 100

151 93.3 16.8 25.2#

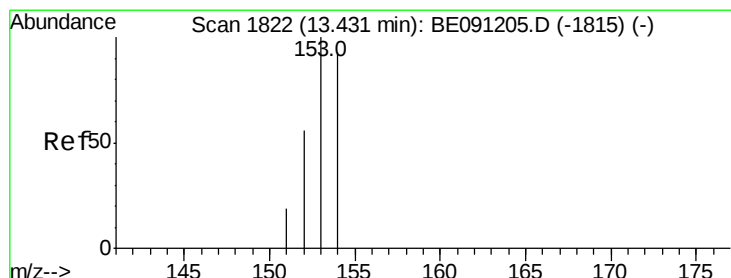
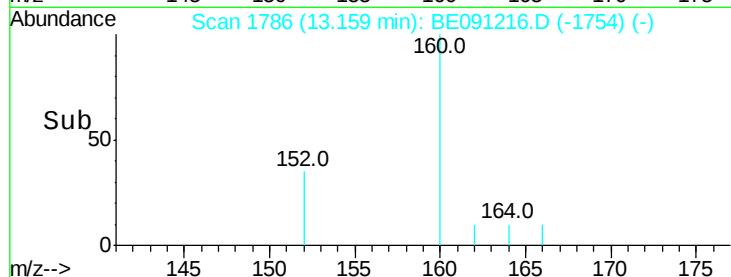
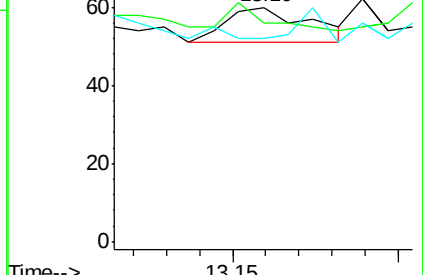
153 86.7 11.3 16.9#



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



#10

Acenaphthene

Concen: 0.18 ng/ul

RT: 13.50 min Scan# 1831

Delta R.T. 0.07 min

Lab File: BE091216.D

Acq: 17 Nov 2015 22:22

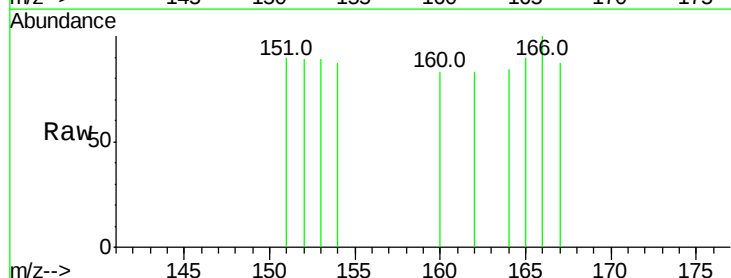
Tgt Ion:153 Resp: 10

Ion Ratio Lower Upper

153 100

152 100.0 42.3 63.5#

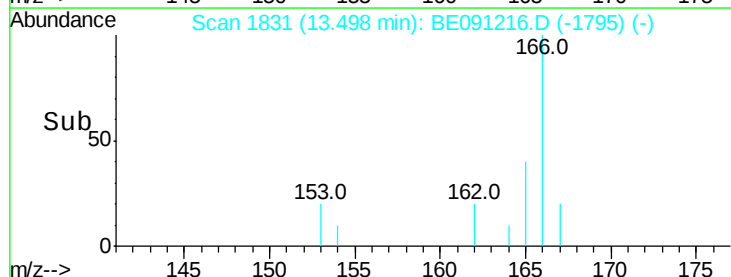
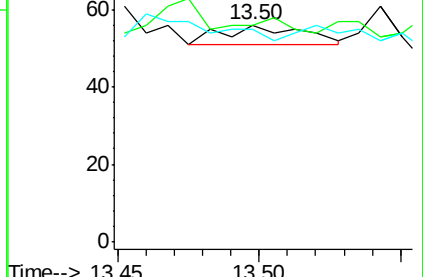
154 98.2 64.7 97.1#

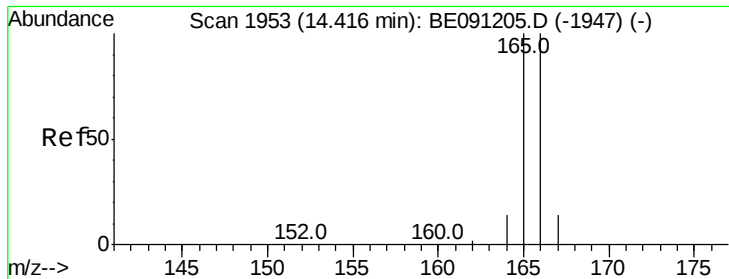


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.04 ng/ul

RT: 14.44 min Scan# 1956

Delta R.T. 0.02 min

Lab File: BE091216.D

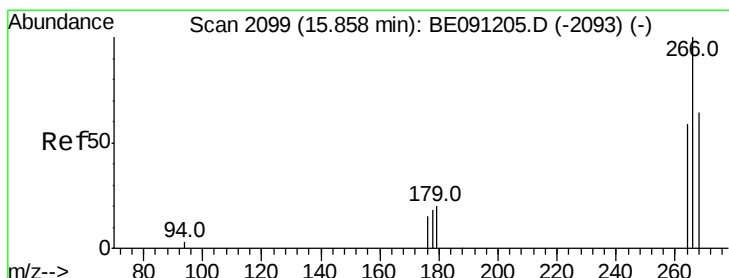
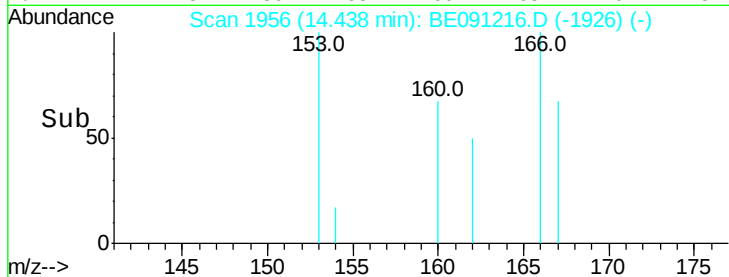
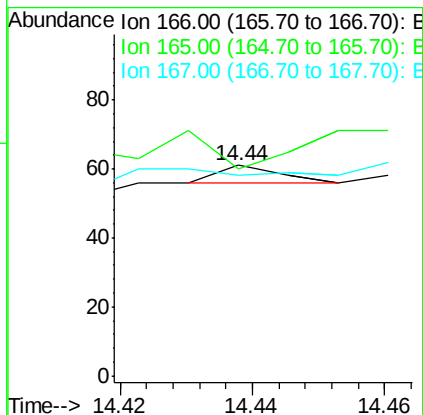
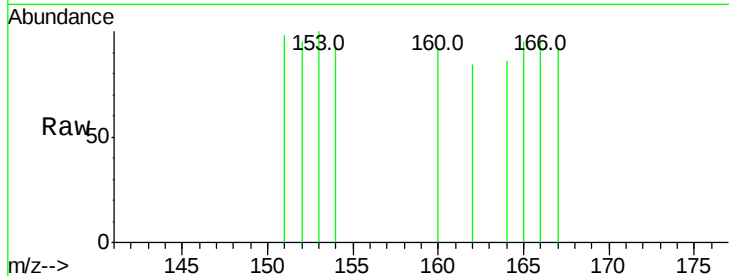
Acq: 17 Nov 2015 22:22

Instrument :

BNA_E

ClientSampled :

Tot Ion:166	Resp:	3	
Ion Ratio	Lower	Upper	
166	100		
165	98.4	87.6	131.4
167	95.1	11.1	16.7#



#13

Pentachlorophenol

Concen: 0.40 ng/ul

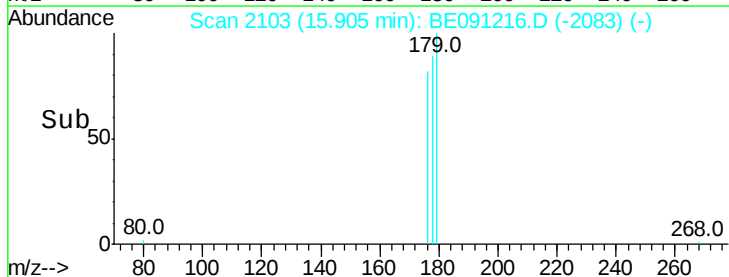
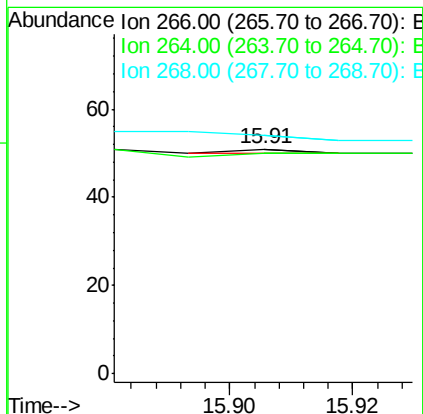
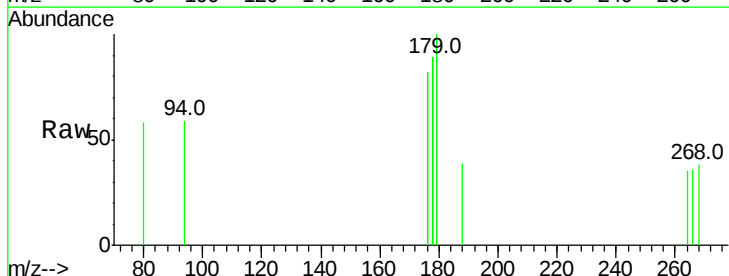
RT: 15.91 min Scan# 2103

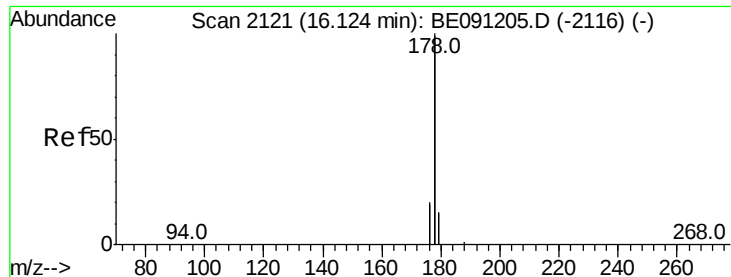
Delta R.T. 0.05 min

Lab File: BE091216.D

Acq: 17 Nov 2015 22:22

Tgt Ion	266	Resp:	1
Ion	Ratio	Lower	Upper
266	100		
264	0.0	53.5	80.3#
268	0.0	54.2	81.2#





#14

Phenanthrene

Concen: 1.30 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. 0.07 min

Lab File: BE091216.D

Acq: 17 Nov 2015 22:22

Instrument :

BNA_E

ClientSampleId :

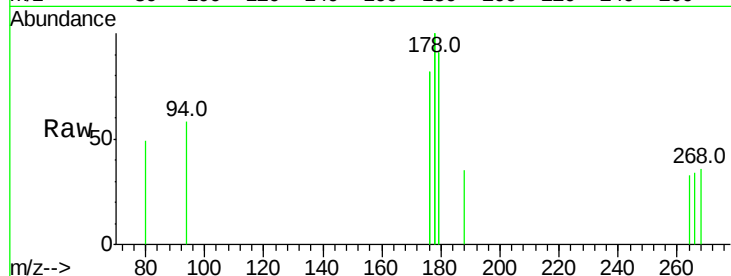
Tot Ion:178 Resp: 389

Ion Ratio Lower Upper

178 100

176 81.7 16.2 24.4#

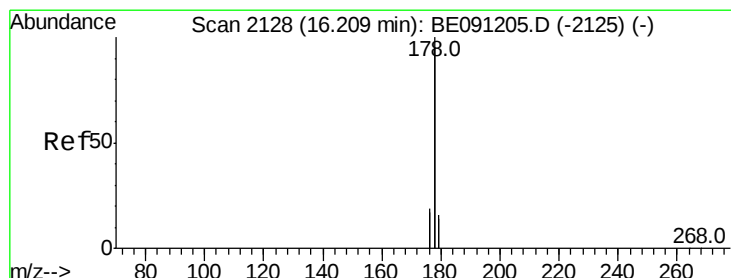
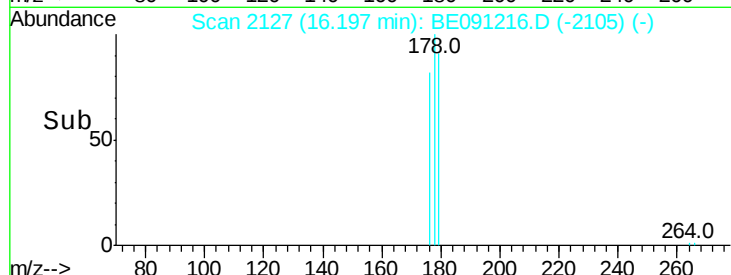
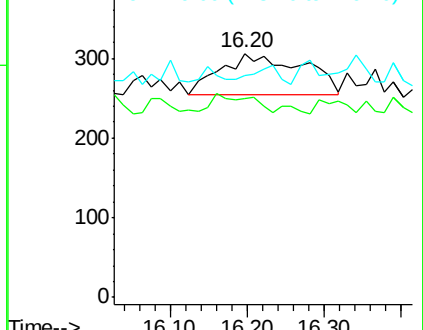
179 90.8 12.8 19.2#



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: 1.42 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE091216.D

Acq: 17 Nov 2015 22:22

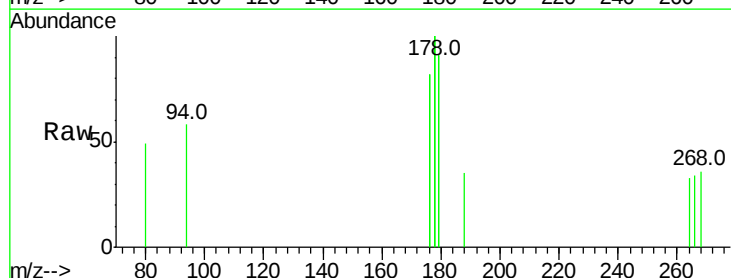
Tgt Ion:178 Resp: 389

Ion Ratio Lower Upper

178 100

176 81.7 15.8 23.8#

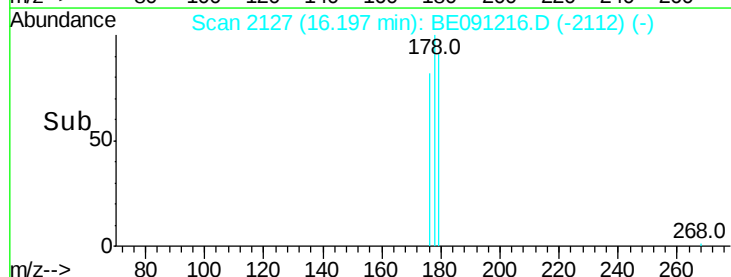
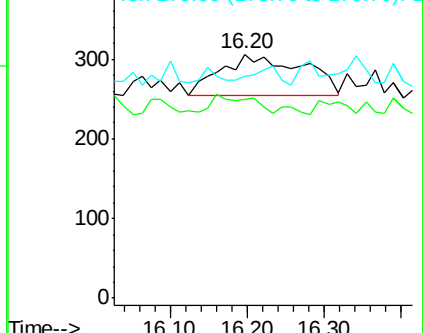
179 90.8 13.3 19.9#

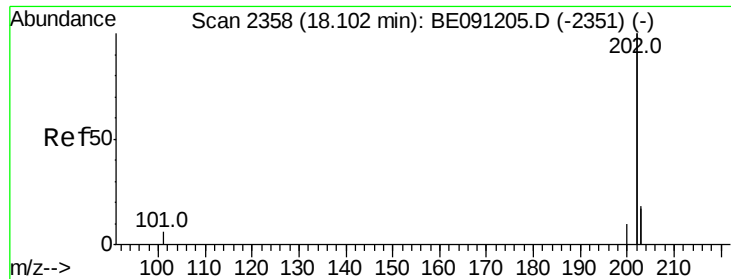


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

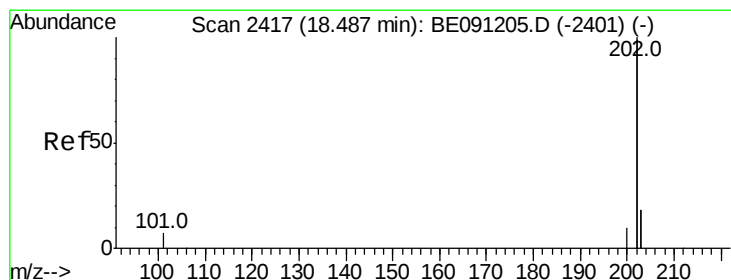
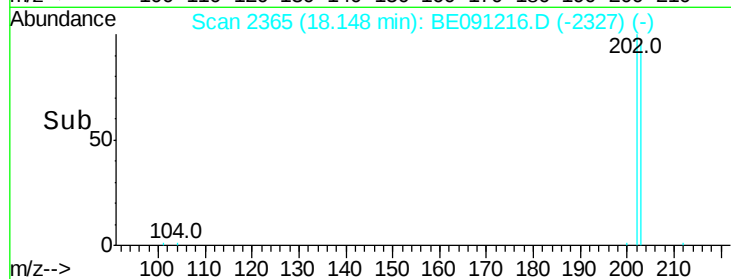
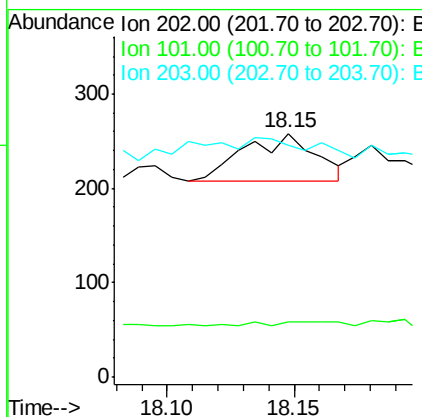
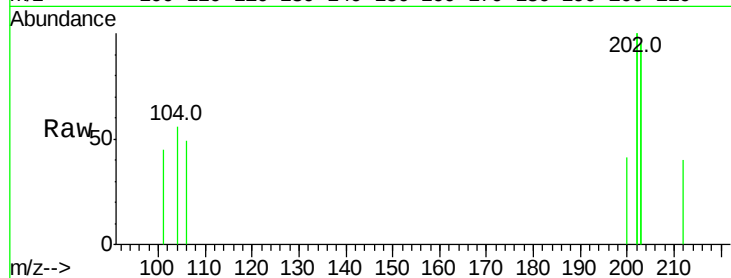




#17
Fluoranthene
 Concen: 0.28 ng/ul
 RT: 18.15 min Scan# 2365
 Delta R.T. 0.05 min
 Lab File: BE091216.D
 Acq: 17 Nov 2015 22:22

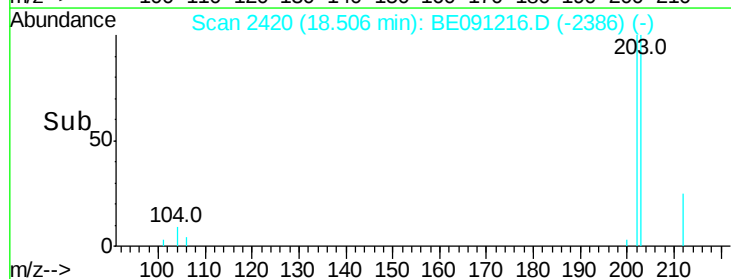
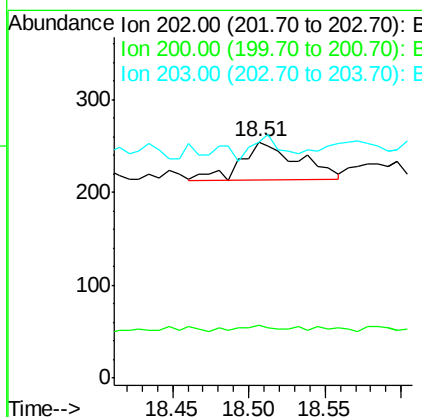
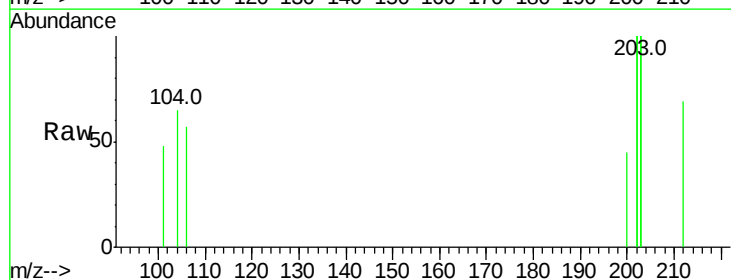
Instrument :
 BNA_E
 ClientSampled :

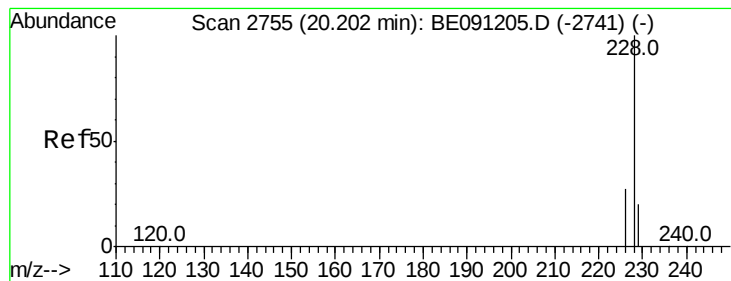
Tot Ion:202 Resp: 98
 Ion Ratio Lower Upper
 202 100
 101 22.5 0.0 33.1
 203 95.3 0.0 37.2#



#19
Pyrene
 Concen: 0.32 ng/ul
 RT: 18.51 min Scan# 2420
 Delta R.T. 0.02 min
 Lab File: BE091216.D
 Acq: 17 Nov 2015 22:22

Tgt Ion:202 Resp: 111
 Ion Ratio Lower Upper
 202 100
 200 22.4 18.0 27.0
 203 100.0 13.8 20.6#





#20

Benzo(a)anthracene

Concen: 0.25 ng/ul

RT: 20.24 min Scan# 2763

Delta R.T. 0.04 min

Lab File: BE091216.D

Acq: 17 Nov 2015 22:22

Instrument :

BNA_E

ClientSampleId :

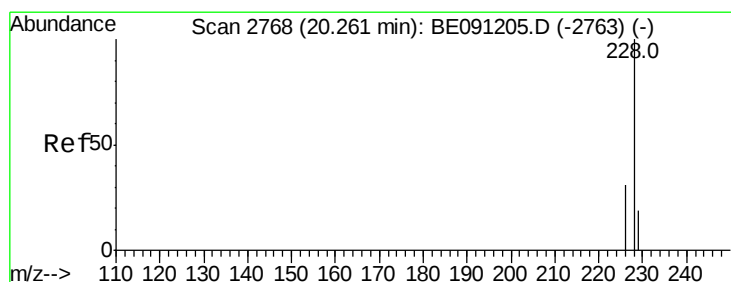
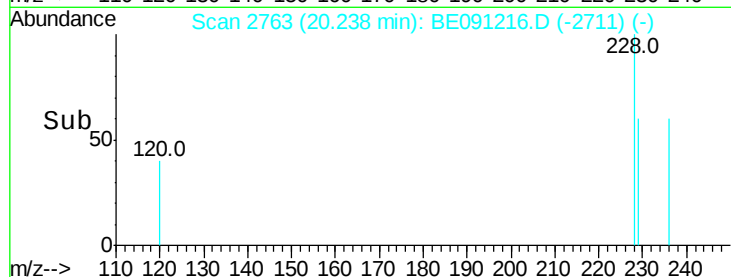
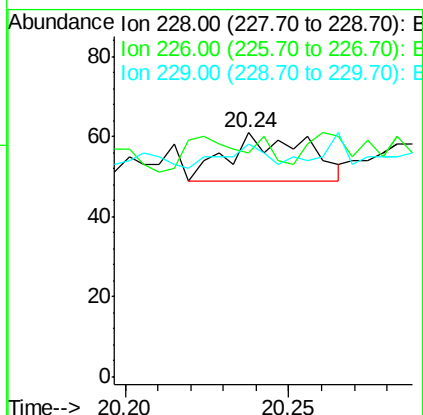
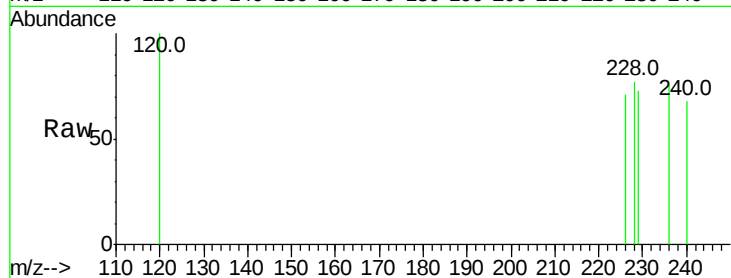
Tot Ion:228 Resp: 20

Ion Ratio Lower Upper

228 100

226 91.8 23.0 34.4#

229 95.1 15.2 22.8#



#21

Chrysene

Concen: 0.12 ng/ul

RT: 20.31 min Scan# 2778

Delta R.T. 0.05 min

Lab File: BE091216.D

Acq: 17 Nov 2015 22:22

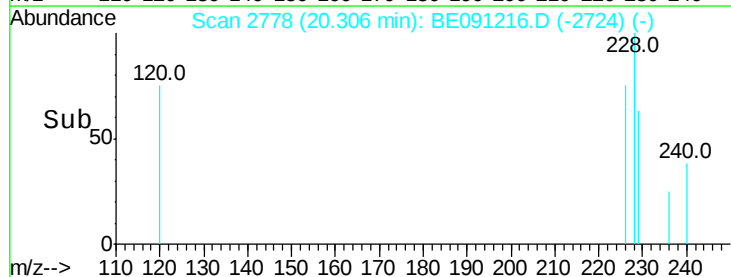
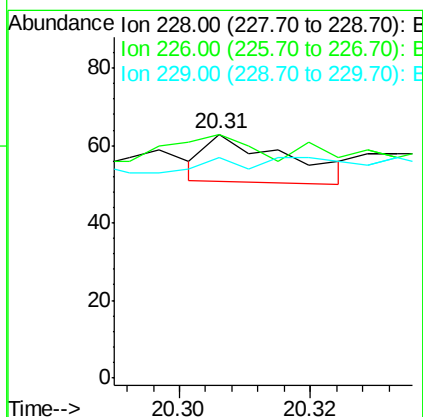
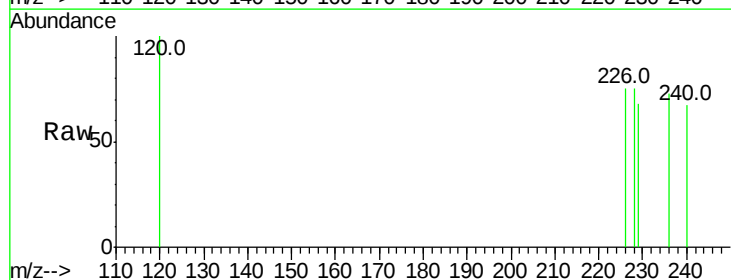
Tgt Ion:228 Resp: 11

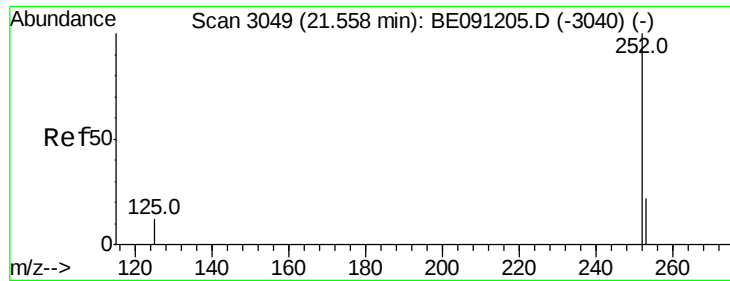
Ion Ratio Lower Upper

228 100

226 100.0 25.7 38.5#

229 90.5 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.91 ng/ul

RT: 21.58 min Scan# 3054

Delta R.T. 0.02 min

Lab File: BE091216.D

Acq: 17 Nov 2015 22:22

Instrument :

BNA_E

ClientSampleId :

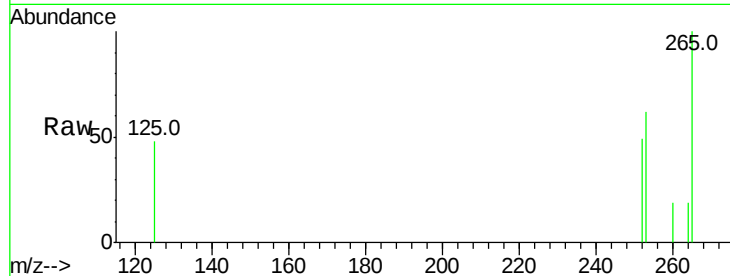
Tot Ion:252 Resp: 34

Ion Ratio Lower Upper

252 100

253 128.1 0.0 48.0#

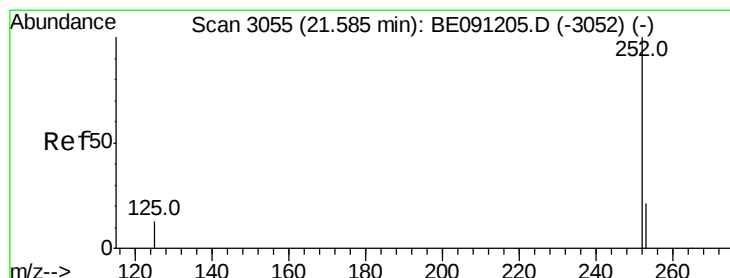
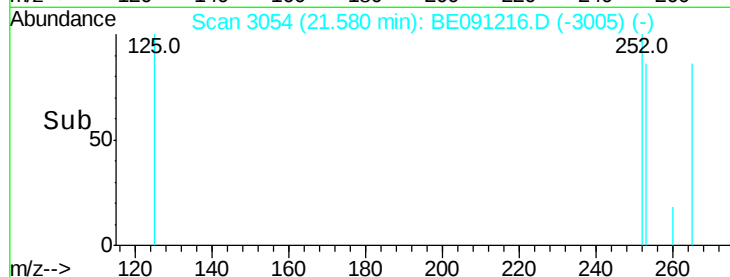
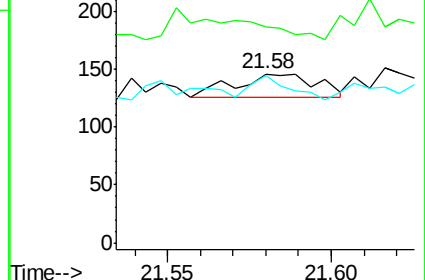
125 98.6 0.0 36.6#



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: 0.70 ng/ul

RT: 21.62 min Scan# 3062

Delta R.T. 0.03 min

Lab File: BE091216.D

Acq: 17 Nov 2015 22:22

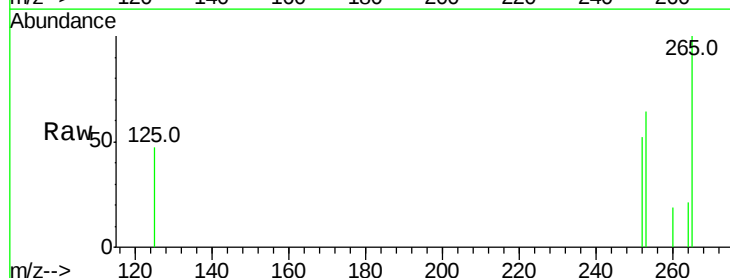
Tgt Ion:252 Resp: 27

Ion Ratio Lower Upper

252 100

253 123.8 20.8 31.2#

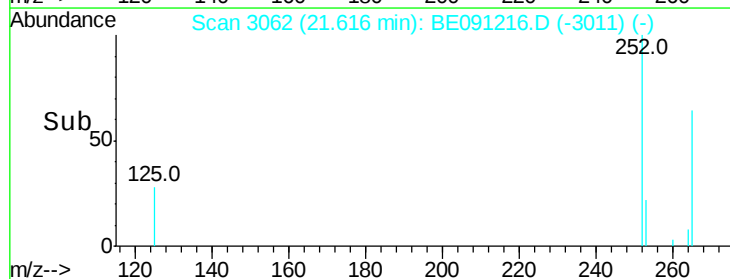
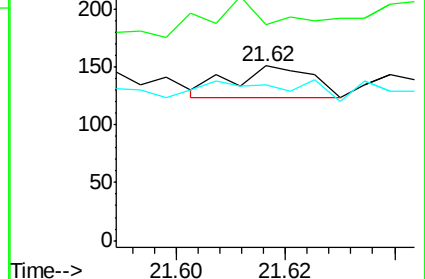
125 89.4 12.2 18.4#

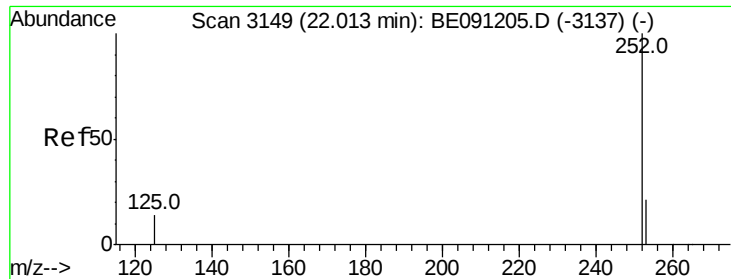


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.61 ng/ul

RT: 22.04 min Scan# 3154

Delta R.T. 0.02 min

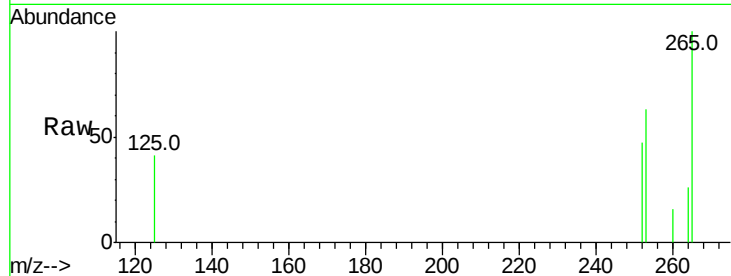
Lab File: BE091216.D

Acq: 17 Nov 2015 22:22

Instrument :

BNA_E

ClientSampled :



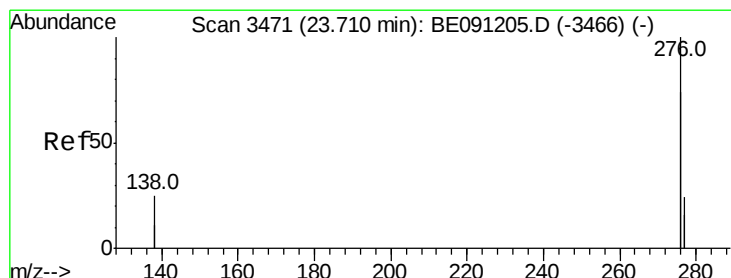
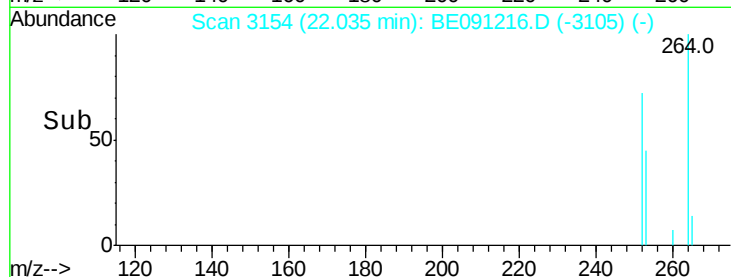
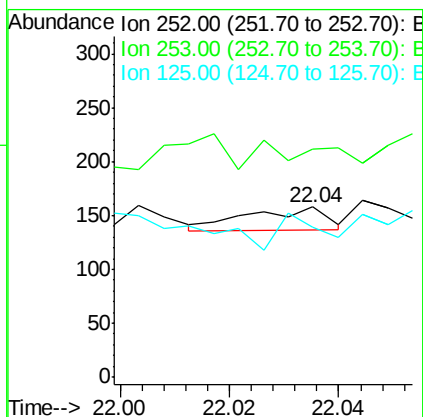
Tot Ion:252 Resp: 21

Ion Ratio Lower Upper

252 100

253 133.5 21.8 32.8#

125 88.0 14.5 21.7#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.74 ng/ul

RT: 23.75 min Scan# 3478

Delta R.T. 0.04 min

Lab File: BE091216.D

Acq: 17 Nov 2015 22:22

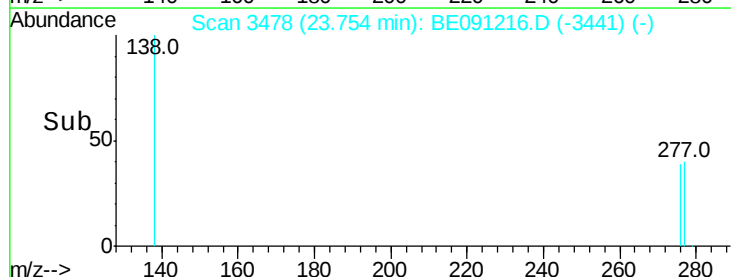
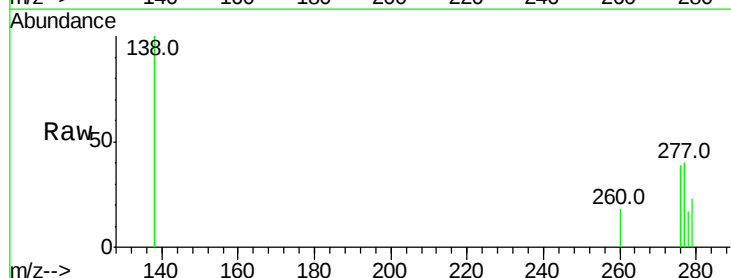
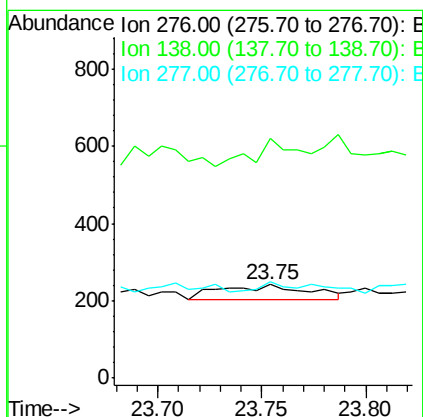
Tgt Ion:276 Resp: 107

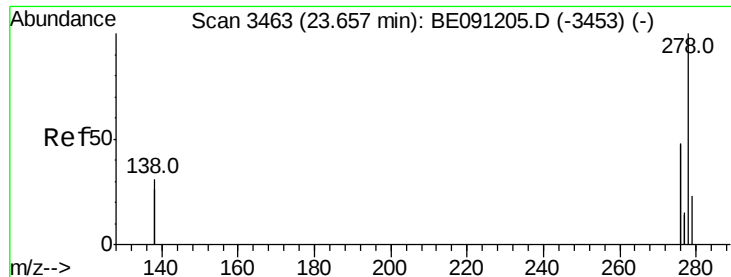
Ion Ratio Lower Upper

276 100

138 97.2 27.5 41.3#

277 15.0 19.3 28.9#

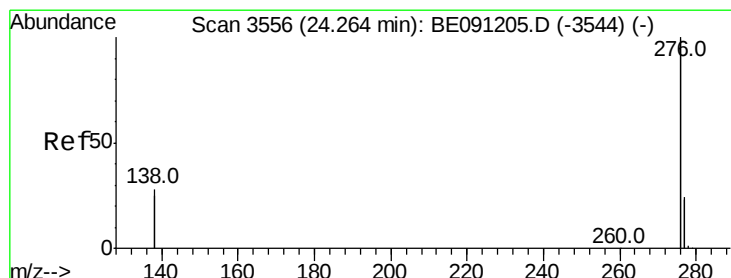
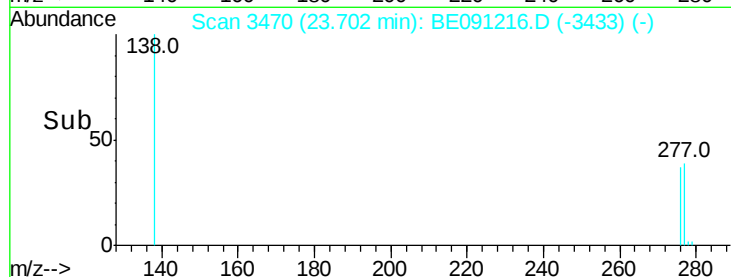
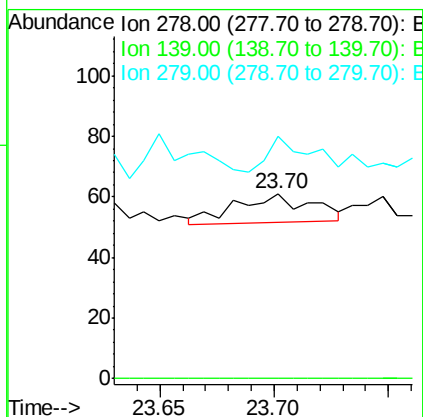
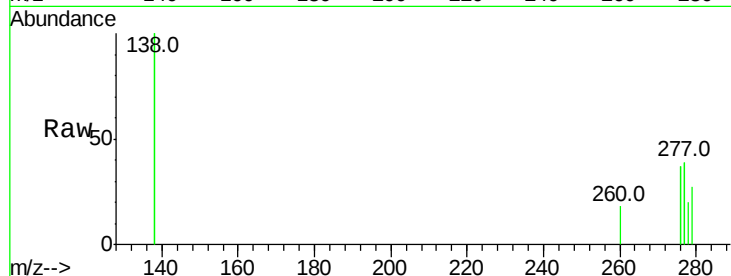




#27
Dibenzo(a,h)anthracene
Concen: 0.64 ng/ul
RT: 23.70 min Scan# 3470
Delta R.T. 0.04 min
Lab File: BE091216.D
Acq: 17 Nov 2015 22:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 22
Ion Ratio Lower Upper
278 100
139 0.0 21.7 32.5#
279 131.1 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.38 ng/ul
RT: 24.28 min Scan# 3559
Delta R.T. 0.02 min
Lab File: BE091216.D
Acq: 17 Nov 2015 22:22

Tgt Ion:276 Resp: 58
Ion Ratio Lower Upper
276 100
277 95.9 21.3 31.9#
138 251.2 25.5 38.3#

