

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111715\
 Data File : BE091206.D
 Acq On : 17 Nov 2015 16:06
 Operator : UM/NP
 Sample : G4309-24
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 18 04:25:52 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

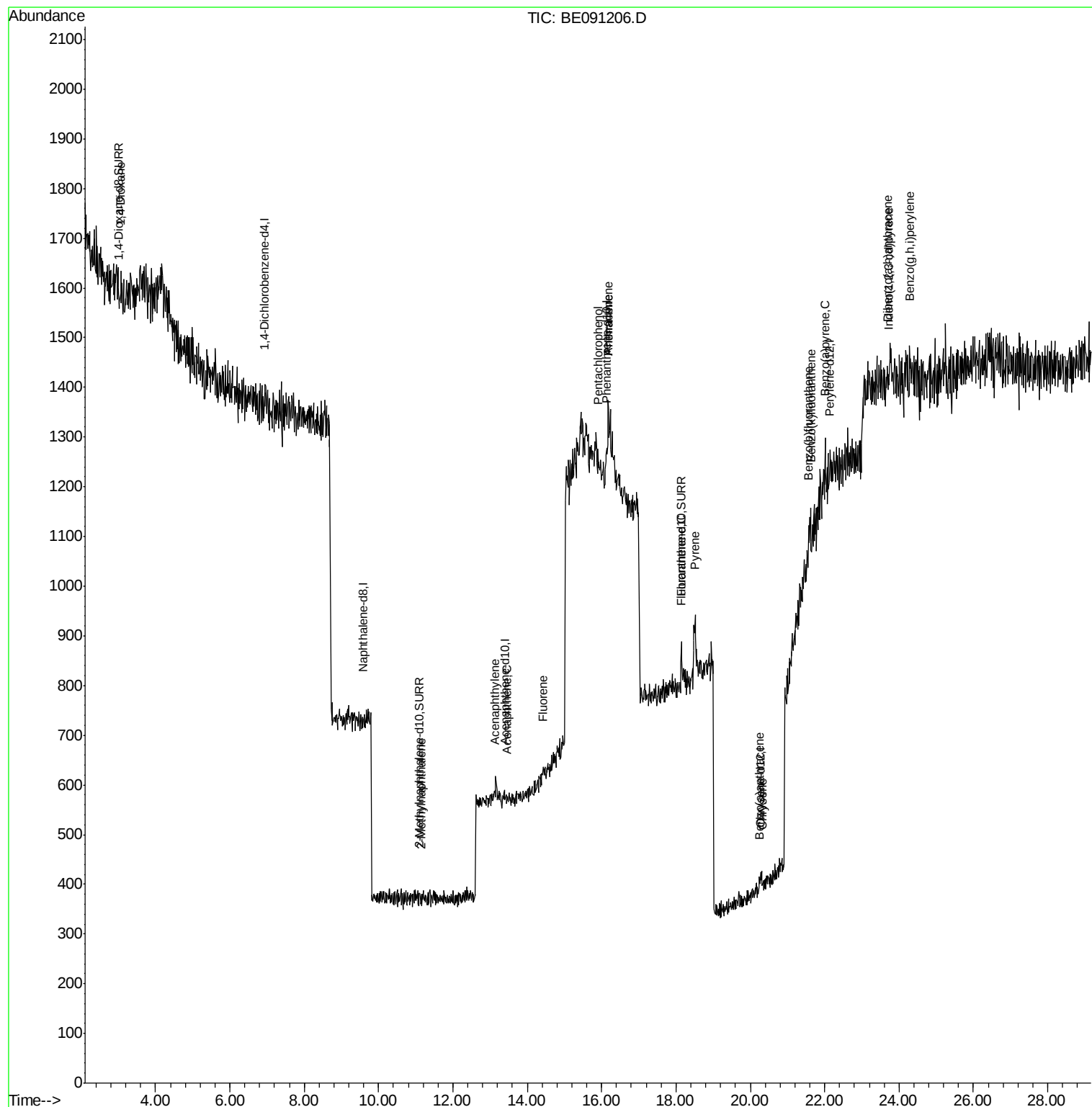
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	7	0.40	ng/ul	0.01
4) Naphthalene-d8	9.58	136	6	0.40	ng/ul	0.02
8) Acenaphthene-d10	13.39	164	14	0.40	ng/ul	0.02
12) Phenanthrene-d10	16.14	188	34	0.40	ng/ul	0.05
18) Chrysene-d12	20.27	240	33	0.40	ng/ul	0.04
22) Perylene-d12	22.14	264	9	0.40	ng/ul	0.02
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.02	96	16	3.18	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.09	152	9	1.10	ng/ul	0.02
16) Fluoranthene-d10	18.13	212	19	0.20	ng/ul	0.05
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.07	88	20	3.51	ng/ul#	1
7) 2-Methylnaphthalene	11.15	142	5	0.52	ng/ul	87
9) Acenaphthylene	13.13	152	26	0.37	ng/ul#	1
10) Acenaphthene	13.45	153	7	0.15	ng/ul#	74
11) Fluorene	14.43	166	8	0.13	ng/ul#	71
13) Pentachlorophenol	15.91	266	8	2.47	ng/ul#	16
14) Phenanthrene	16.17	178	653	1.66	ng/ul#	1
15) Anthracene	16.17	178	651	1.82	ng/ul#	1
17) Fluoranthene	18.14	202	219	0.48	ng/ul#	1
19) Pyrene	18.51	202	174	0.46	ng/ul#	19
20) Benzo(a)anthracene	20.23	228	8	0.09	ng/ul#	1
21) Chrysene	20.32	228	37	0.38	ng/ul#	1
23) Benzo(b)fluoranthene	21.57	252	18	0.64	ng/ul#	1
24) Benzo(k)fluoranthene	21.62	252	39	1.35	ng/ul#	1
25) Benzo(a)pyrene	22.03	252	17	0.66	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.72	276	46	0.42	ng/ul#	43
27) Dibenzo(a,h)anthracene	23.70	278	53	2.04	ng/ul#	1
28) Benzo(a,h,i)perylene	24.29	276	286	2.50	ng/ul#	1

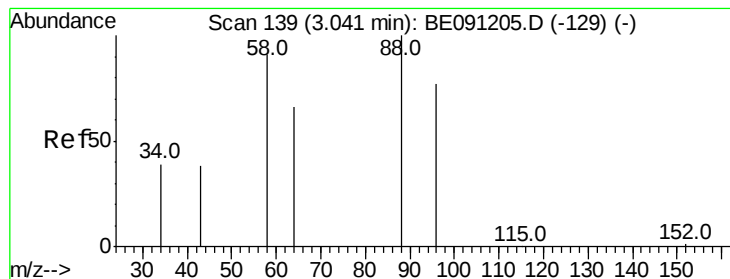
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 3.51 ng/ul

RT: 3.07 min Scan# 144

Delta R.T. 0.03 min

Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

Instrument :

BNA_E

ClientSampled :

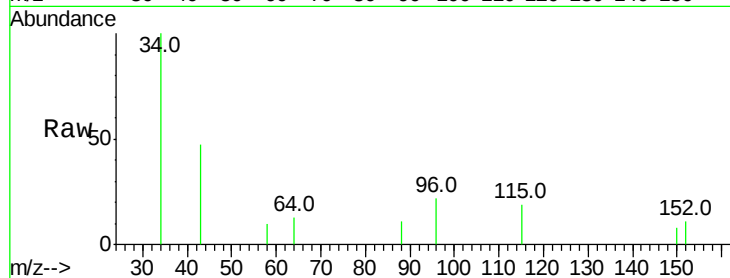
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

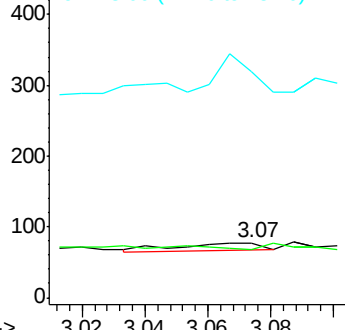
43 245.0 24.2 36.2#



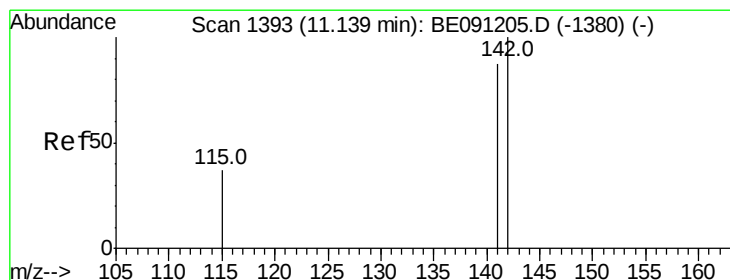
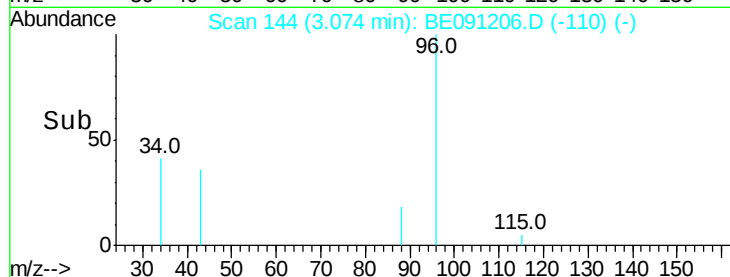
Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time-->



#7

2-Methylnaphthalene

Concen: 0.52 ng/ul

RT: 11.15 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BE091206.D

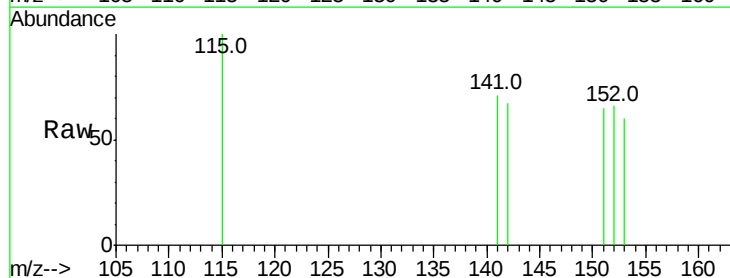
Acq: 17 Nov 2015 16:06

Tgt Ion: 142 Resp: 5

Ion Ratio Lower Upper

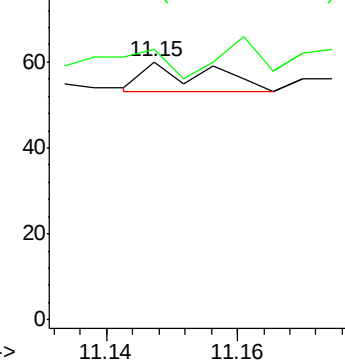
142 100

141 100.0 70.3 105.5

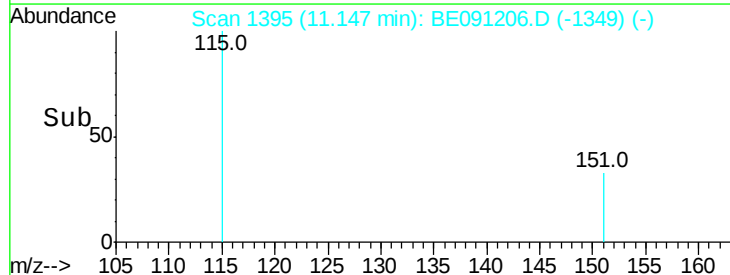


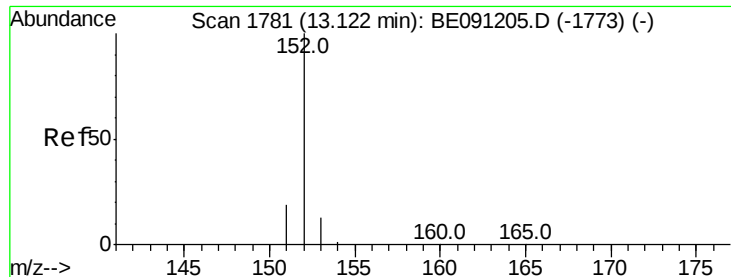
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#9

Acenaphthylene

Concen: 0.37 ng/ul

RT: 13.13 min Scan# 1782

Delta R.T. 0.01 min

Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

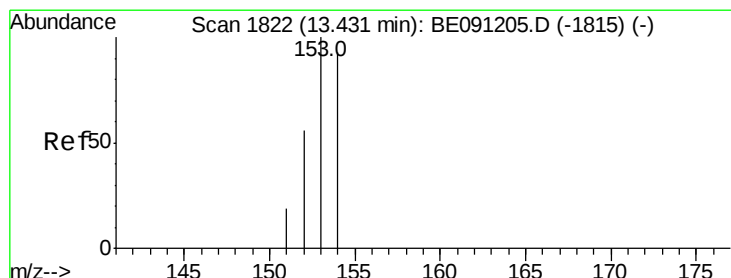
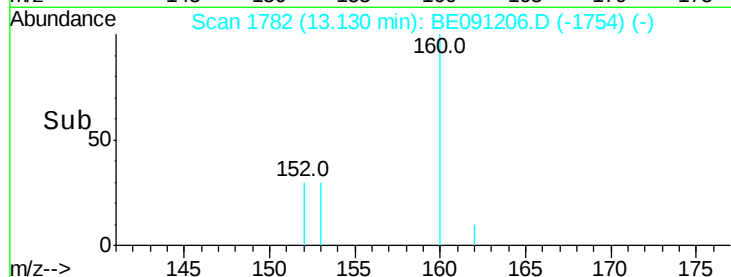
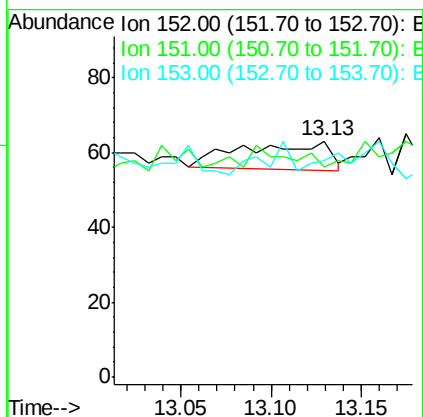
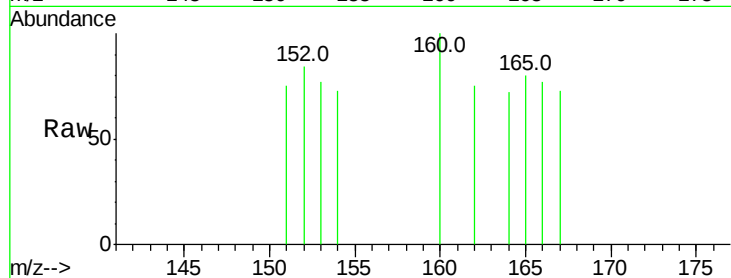
Tot Ion:152 Resp: 26

Ion Ratio Lower Upper

152 100

151 88.9 16.8 25.2#

153 92.1 11.3 16.9#



#10

Acenaphthene

Concen: 0.15 ng/ul

RT: 13.45 min Scan# 1824

Delta R.T. 0.01 min

Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

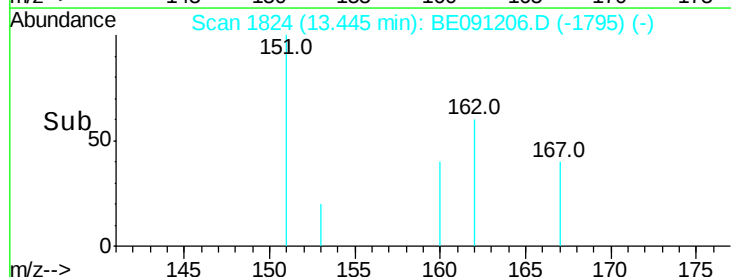
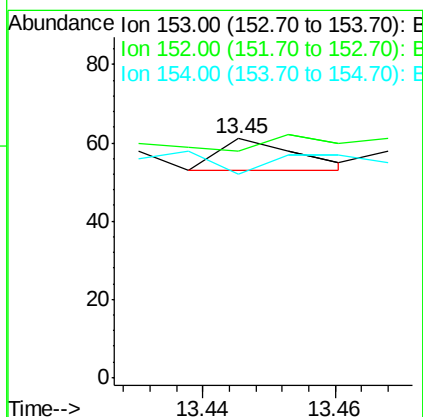
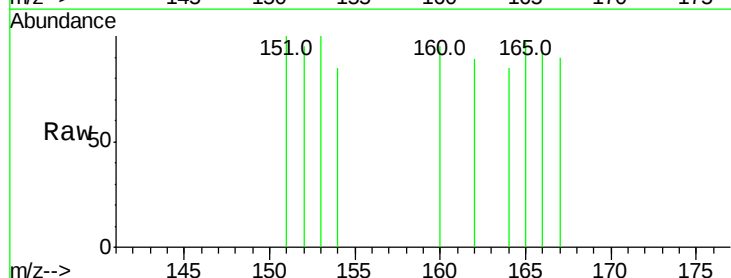
Tgt Ion:153 Resp: 7

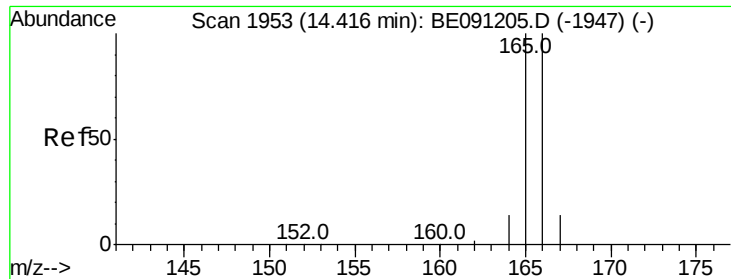
Ion Ratio Lower Upper

153 100

152 95.1 42.3 63.5#

154 85.2 64.7 97.1





#11

Fluorene

Concen: 0.13 ng/ul

RT: 14.43 min Scan# 1955

Delta R.T. 0.01 min

Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

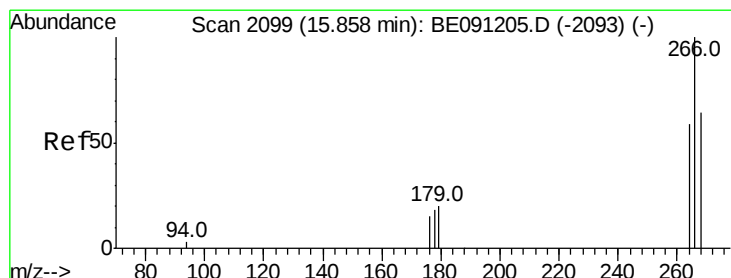
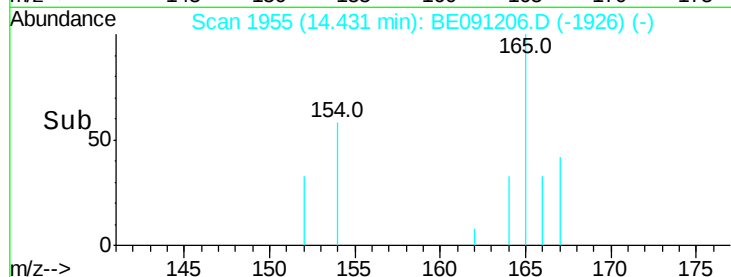
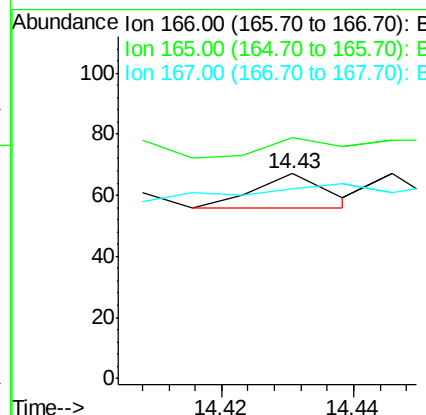
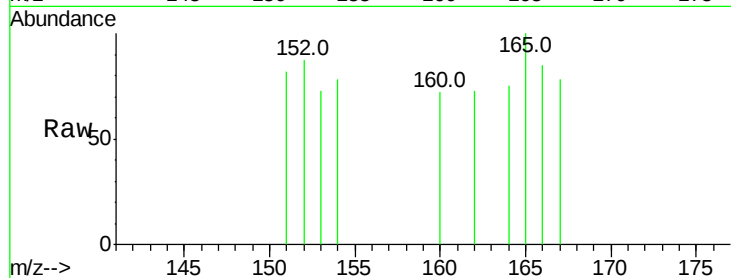
Instrument :

BNA_E

ClientSampleId :

Tot Ion:166 Resp: 8

Ion	Ratio	Lower	Upper
166	100		
165	117.9	87.6	131.4
167	92.5	11.1	16.7#



#13

Pentachlorophenol

Concen: 2.47 ng/ul

RT: 15.91 min Scan# 2103

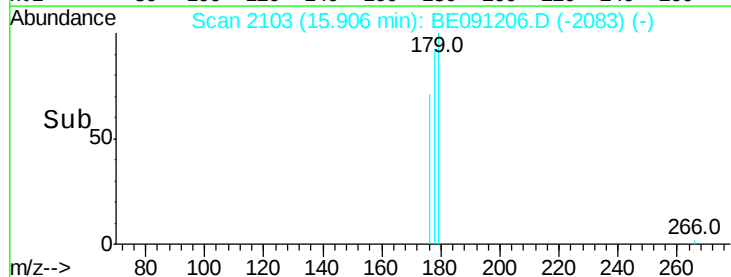
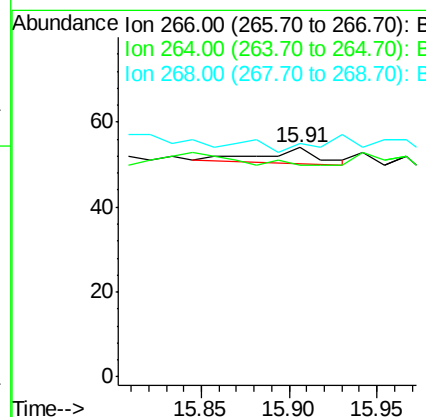
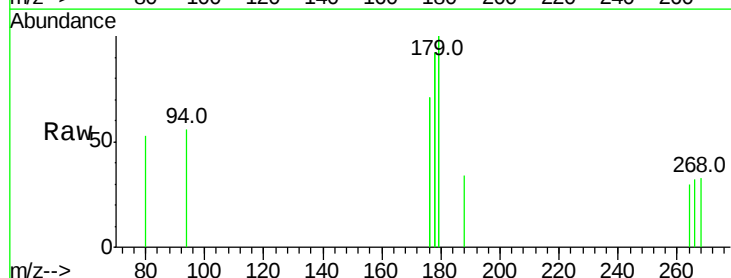
Delta R.T. 0.05 min

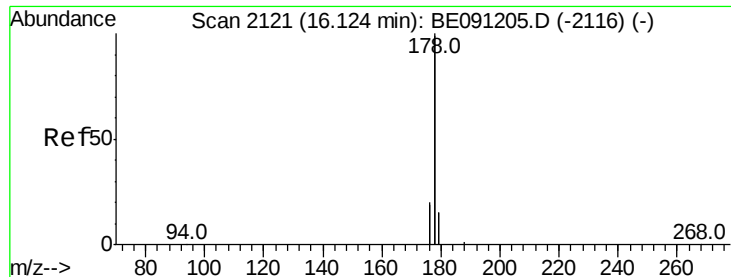
Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

Tgt Ion:266 Resp: 8

Ion	Ratio	Lower	Upper
266	100		
264	0.0	53.5	80.3#
268	0.0	54.2	81.2#





#14

Phenanthrene

Concen: 1.66 ng/ul

RT: 16.17 min Scan# 2125

Delta R.T. 0.05 min

Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

Instrument :

BNA_E

ClientSampled :

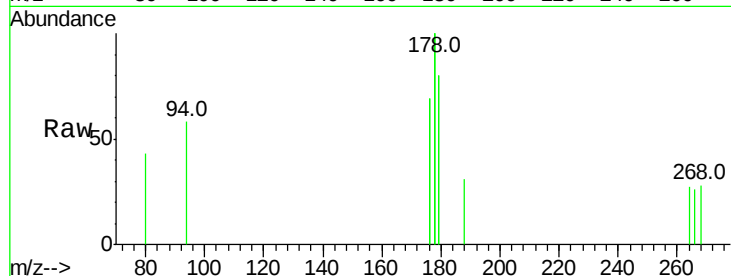
Tot Ion:178 Resp: 653

Ion Ratio Lower Upper

178 100

176 69.4 16.2 24.4#

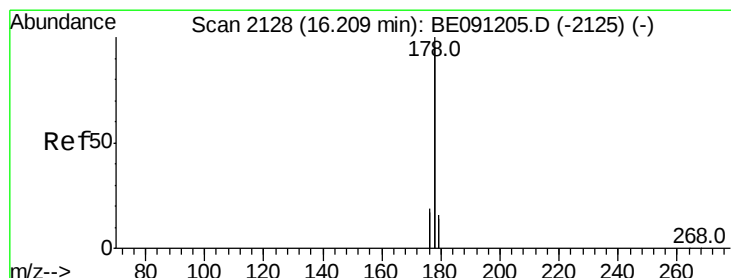
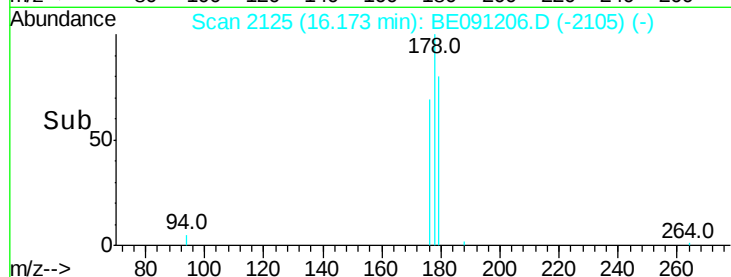
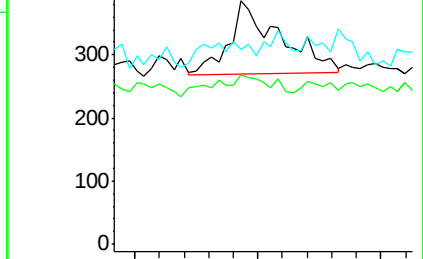
179 79.8 12.8 19.2#



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: 1.82 ng/ul

RT: 16.17 min Scan# 2125

Delta R.T. -0.04 min

Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

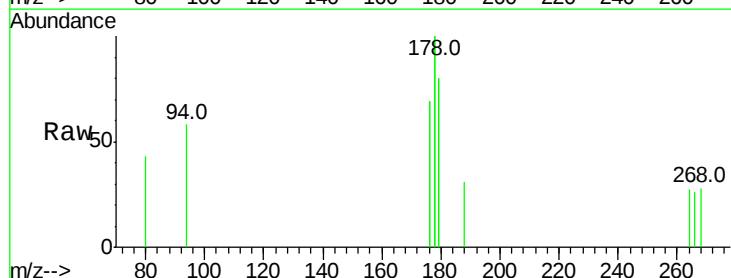
Tgt Ion:178 Resp: 651

Ion Ratio Lower Upper

178 100

176 69.4 15.8 23.8#

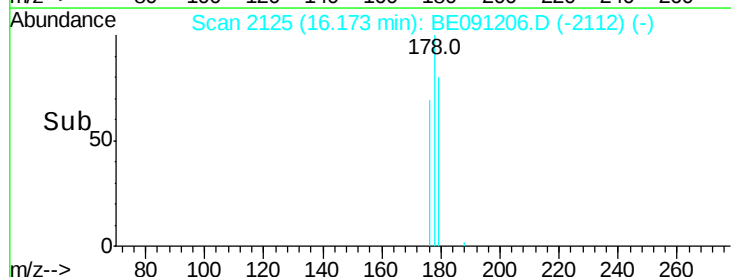
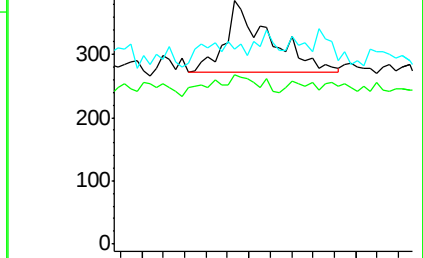
179 79.8 13.3 19.9#

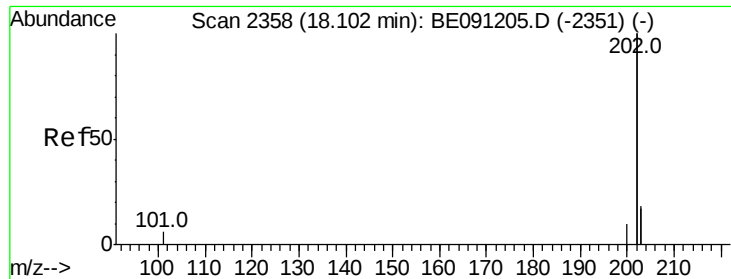


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.48 ng/ul

RT: 18.14 min Scan# 2364

Delta R.T. 0.04 min

Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

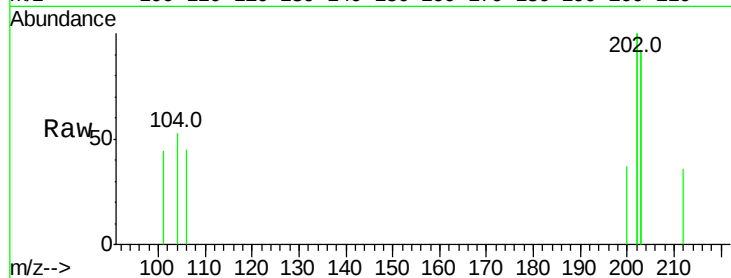
Tot Ion:202 Resp: 219

Ion Ratio Lower Upper

202 100

101 22.0 0.0 33.1

203 91.9 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

18.14

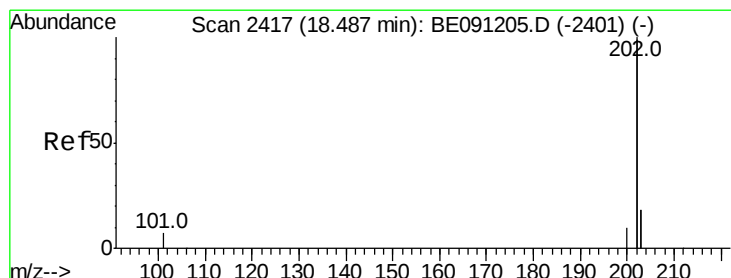
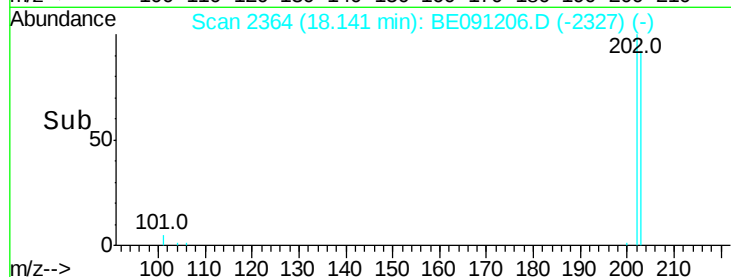
300

200

100

0

Time--> 18.10 18.20



#19

Pyrene

Concen: 0.46 ng/ul

RT: 18.51 min Scan# 2421

Delta R.T. 0.03 min

Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

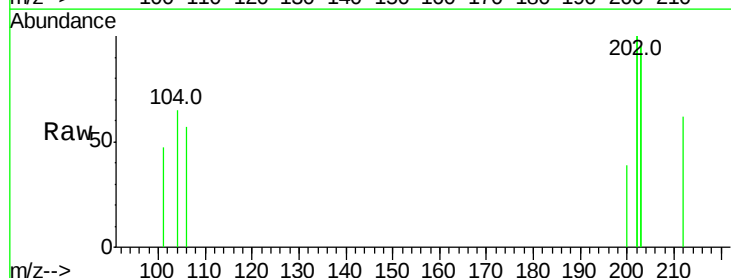
Tgt Ion:202 Resp: 174

Ion Ratio Lower Upper

202 100

200 19.6 18.0 27.0

203 95.1 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

18.51

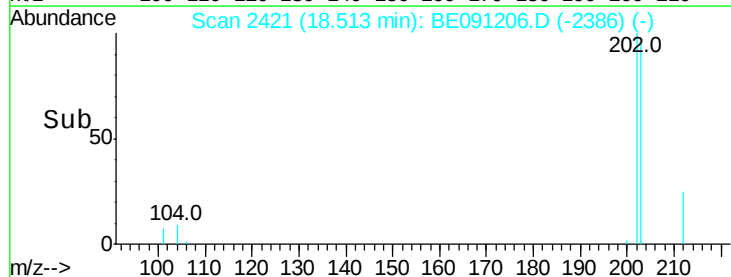
300

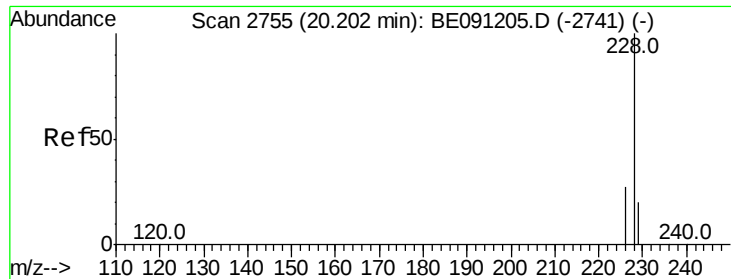
200

100

0

Time--> 18.50 18.60





#20

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 20.23 min Scan# 2763

Delta R.T. 0.03 min

Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

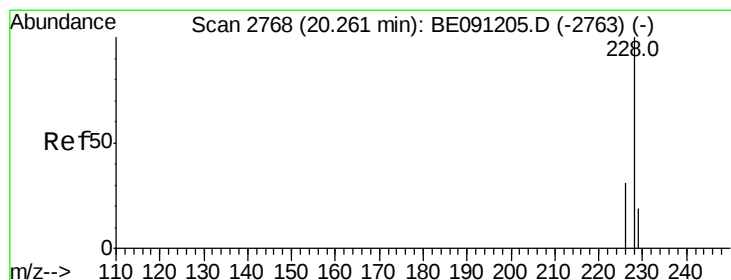
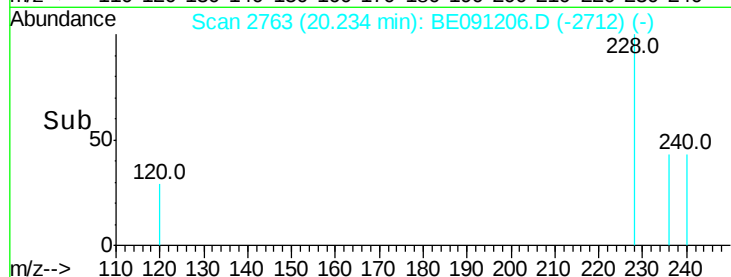
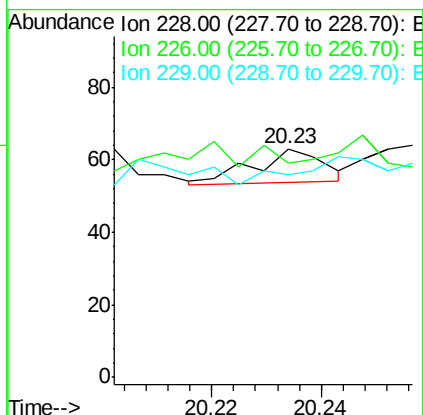
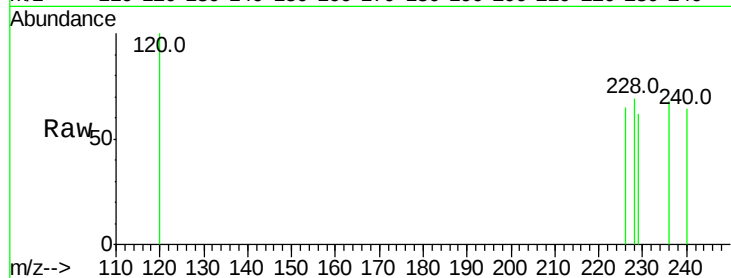
Tot Ion:228 Resp: 8

Ion Ratio Lower Upper

228 100

226 93.7 23.0 34.4#

229 88.9 15.2 22.8#



#21

Chrysene

Concen: 0.38 ng/ul

RT: 20.32 min Scan# 2781

Delta R.T. 0.06 min

Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

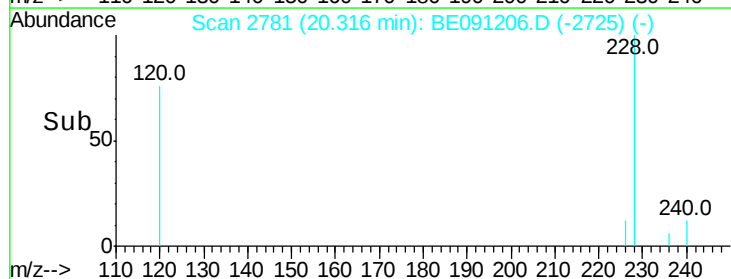
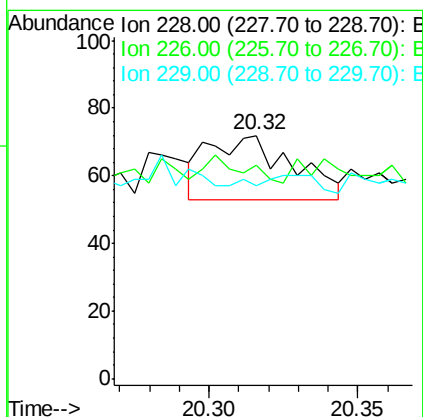
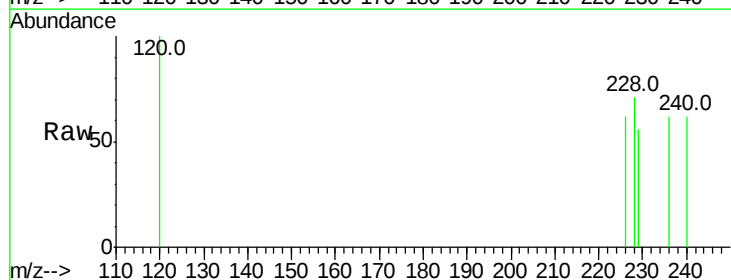
Tgt Ion:228 Resp: 37

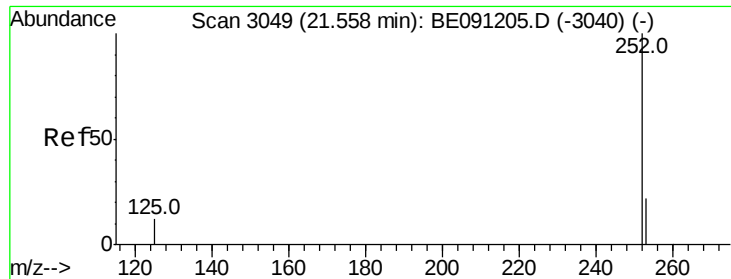
Ion Ratio Lower Upper

228 100

226 87.5 25.7 38.5#

229 79.2 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.64 ng/ul

RT: 21.57 min Scan# 3053

Delta R.T. 0.01 min

Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

Instrument :

BNA_E

ClientSampled :

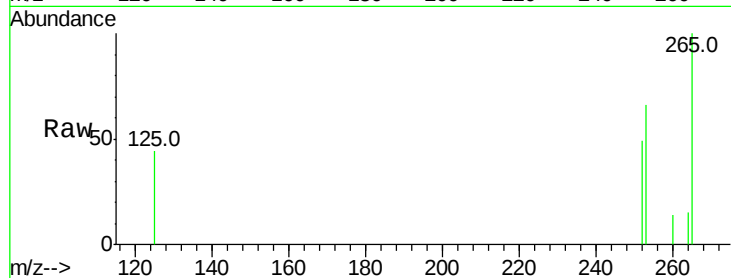
Tot Ion:252 Resp: 18

Ion Ratio Lower Upper

252 100

253 135.1 0.0 48.0#

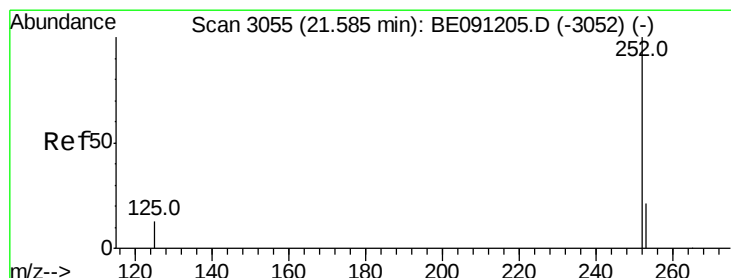
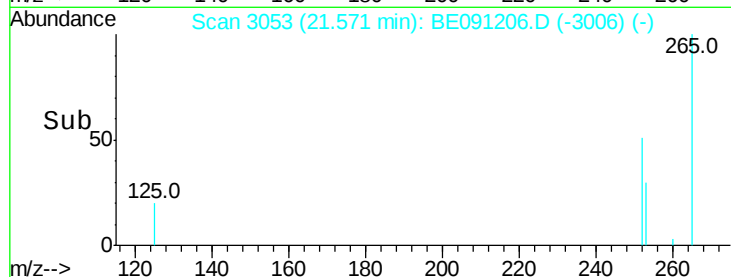
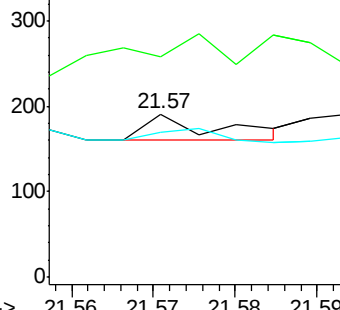
125 89.0 0.0 36.6#



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: 1.35 ng/ul

RT: 21.62 min Scan# 3063

Delta R.T. 0.03 min

Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

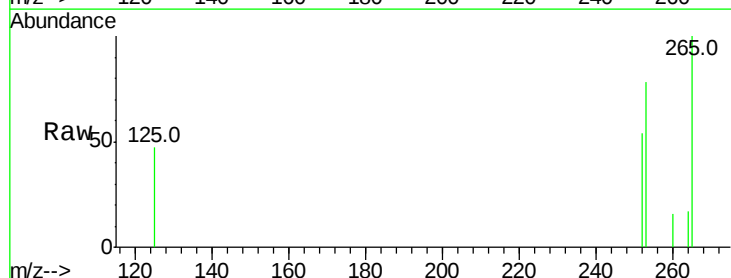
Tgt Ion:252 Resp: 39

Ion Ratio Lower Upper

252 100

253 143.8 20.8 31.2#

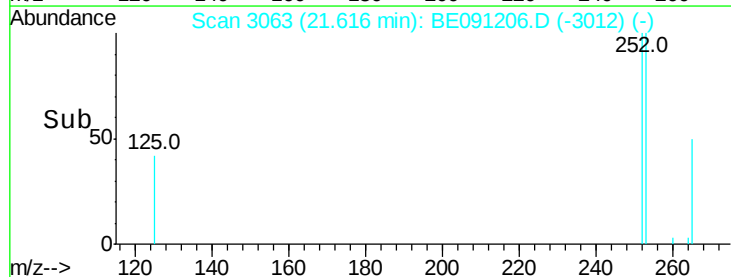
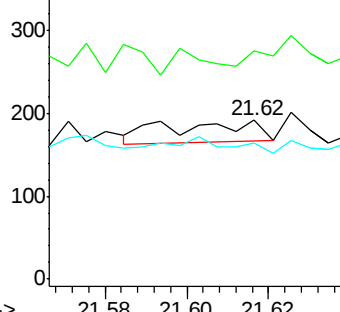
125 85.9 12.2 18.4#

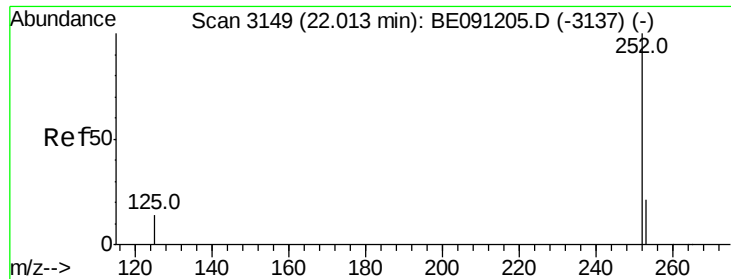


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.66 ng/ul

RT: 22.03 min Scan# 3154

Delta R.T. 0.02 min

Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

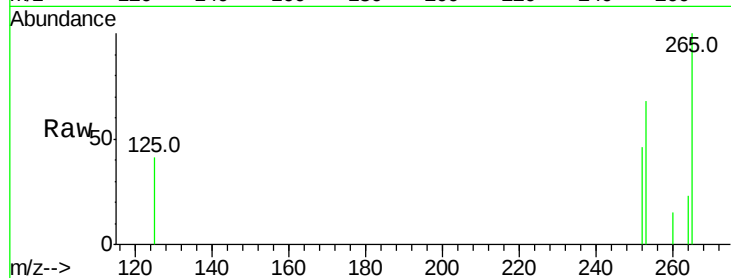
Tot Ion:252 Resp: 17

Ion Ratio Lower Upper

252 100

253 146.4 21.8 32.8#

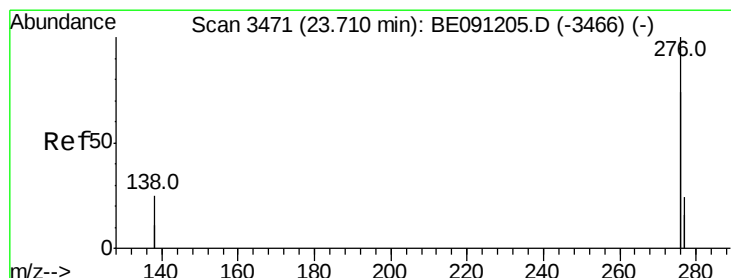
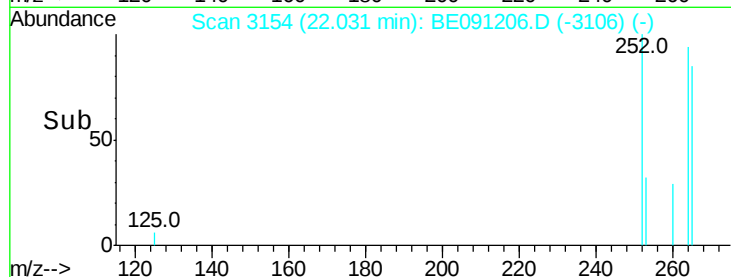
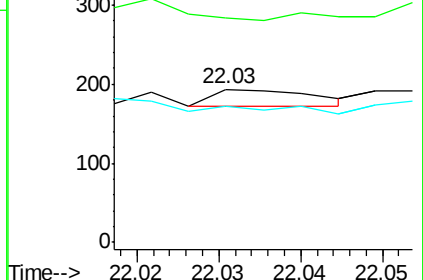
125 89.2 14.5 21.7#



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: 0.42 ng/ul

RT: 23.72 min Scan# 3474

Delta R.T. 0.01 min

Lab File: BE091206.D

Acq: 17 Nov 2015 16:06

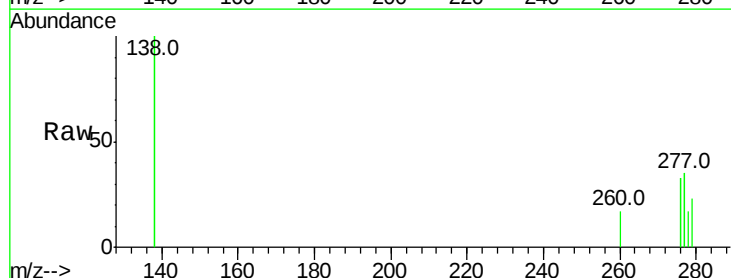
Tgt Ion:276 Resp: 46

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

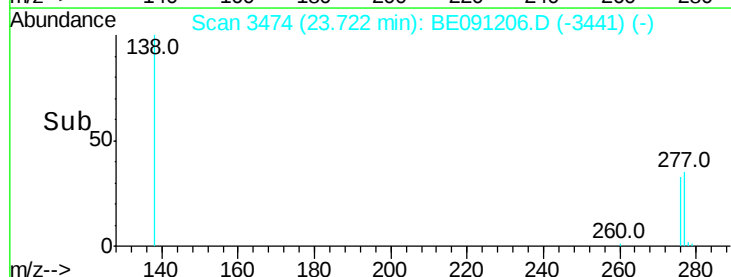
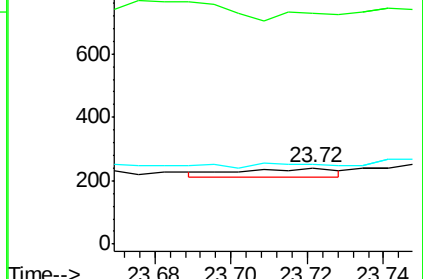
277 50.0 19.3 28.9#

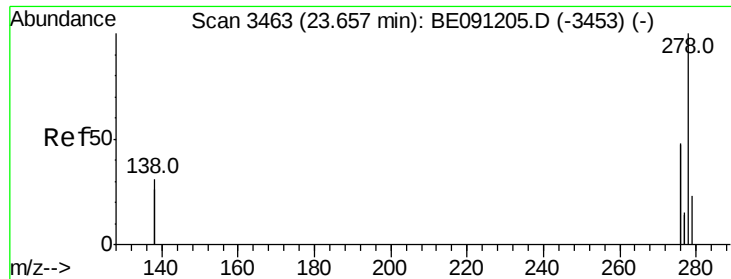


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

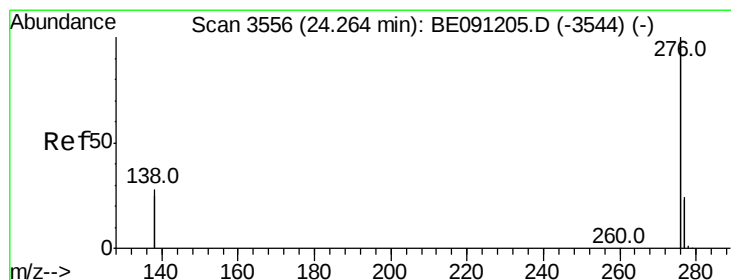
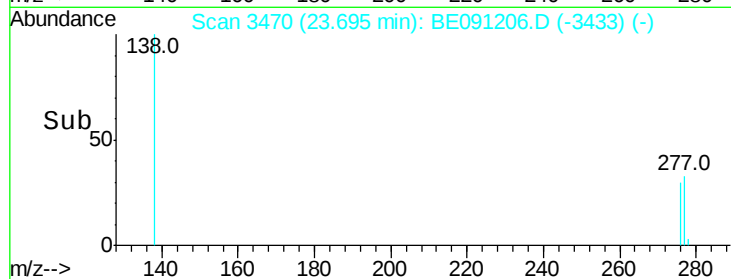
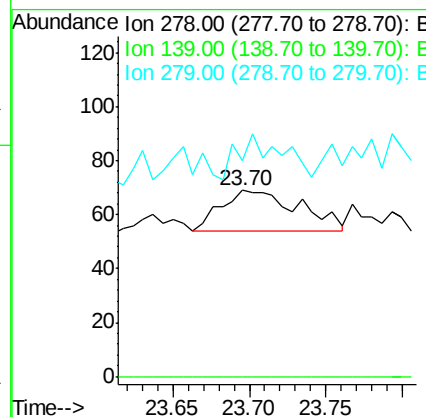
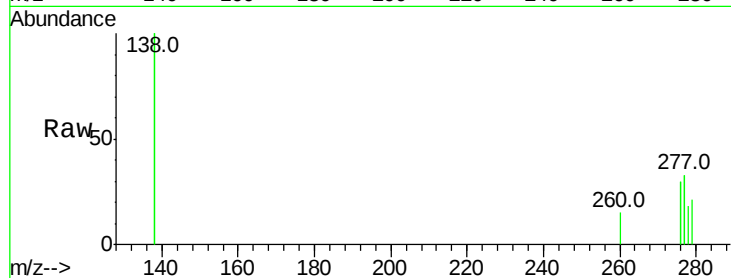




#27
Dibenzo(a,h)anthracene
Concen: 2.04 ng/ul
RT: 23.70 min Scan# 3470
Delta R.T. 0.04 min
Lab File: BE091206.D
Acq: 17 Nov 2015 16:06

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 53
Ion Ratio Lower Upper
278 100
139 0.0 21.7 32.5#
279 115.9 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 2.50 ng/ul
RT: 24.29 min Scan# 3561
Delta R.T. 0.02 min
Lab File: BE091206.D
Acq: 17 Nov 2015 16:06

Tgt Ion:276 Resp: 286
Ion Ratio Lower Upper
276 100
277 93.2 21.3 31.9#
138 285.0 25.5 38.3#

