

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091221.D
 Acq On : 18 Nov 2015 11:03
 Operator : UM/NP
 Sample : G4309-24
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KN4

Quant Time: Nov 19 04:27:20 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 : Thu Nov 19 04:25:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	3763	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.55	136	18519	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	9490	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.17	188	1546110	0.40	ng/ul	0.08
18) Chrysene-d12	20.23	240	51981	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1887411	0.40	ng/ul	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.97	96	24724	9.13	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	6070	0.24	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	20616	0.00	ng/ul	0.00

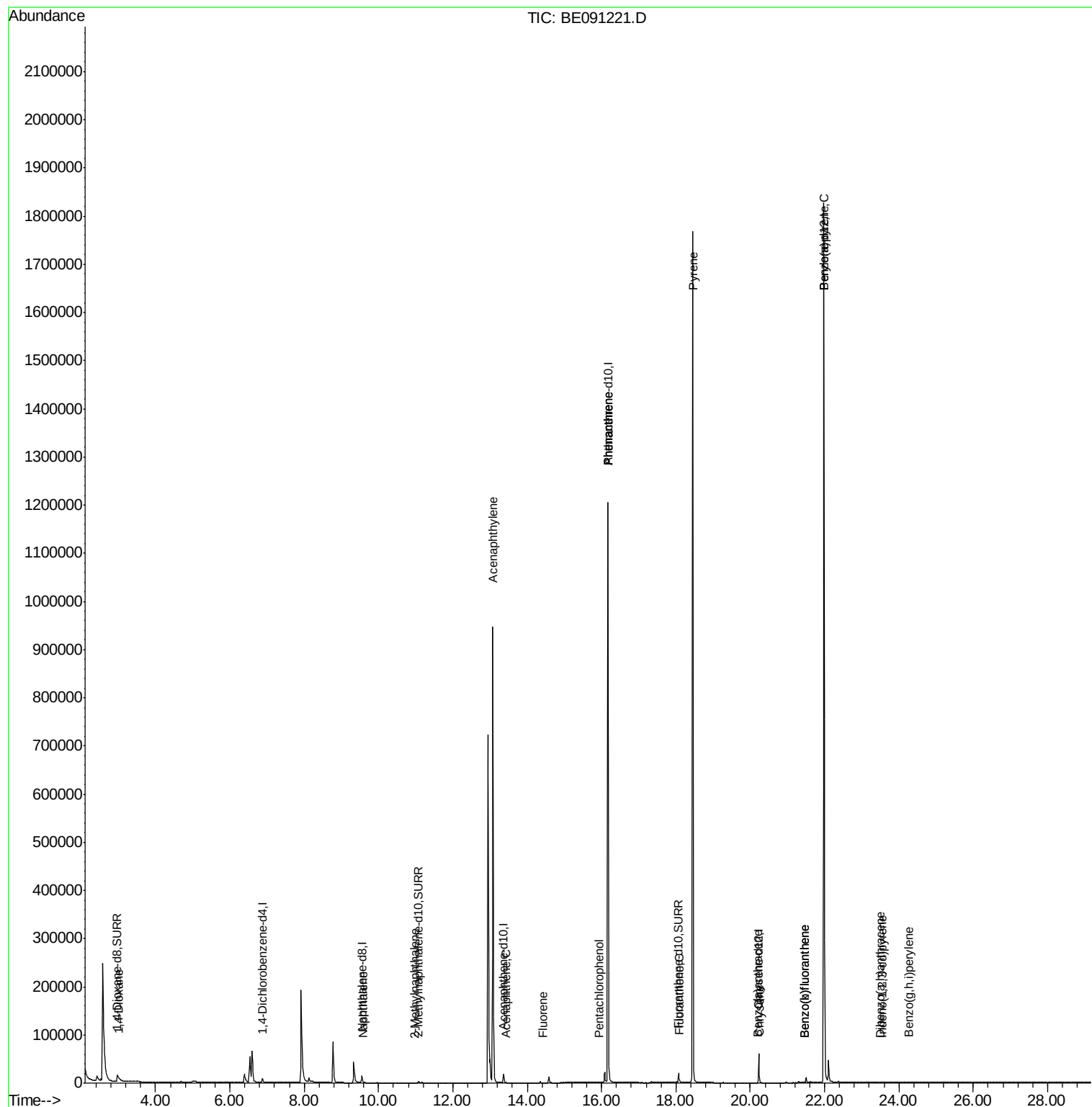
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.02	88	35	0.01	ng/ul#	47
5) Naphthalene	9.60	128	847	0.02	ng/ul#	63
7) 2-Methylnaphthalene	10.97	142	7	0.00	ng/ul	87
9) Acenaphthylene	13.07	152	127	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	126	0.00	ng/ul#	76
11) Fluorene	14.41	166	138	0.00	ng/ul#	81
13) Pentachlorophenol	15.94	266	8	0.00	ng/ul#	16
14) Phenanthrene	16.17	178	4012	0.00	ng/ul#	1
15) Anthracene	16.17	178	3886	0.00	ng/ul#	1
17) Fluoranthene	18.10	202	4935	0.00	ng/ul	80
19) Pyrene	18.45	202	17981	0.03	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	776	0.01	ng/ul#	83
21) Chrysene	20.26	228	841	0.01	ng/ul#	83
23) Benzo(b)fluoranthene	21.47	252	24	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.47	252	24	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	8611	0.00	ng/ul#	60
26) Indeno(1,2,3-cd)pyrene	23.56	276	340	0.00	ng/ul#	49
27) Dibenzo(a,h)anthracene	23.51	278	10	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.27	276	2009	0.00	ng/ul#	30

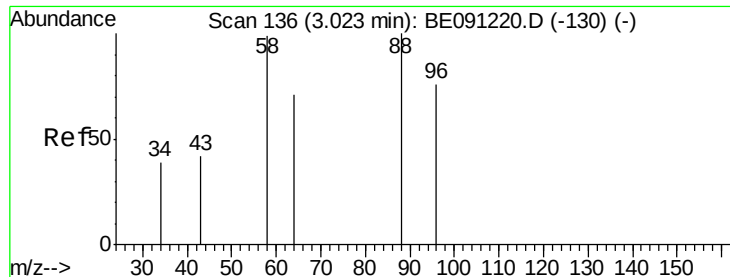
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.01 ng/ul

RT: 3.02 min Scan# 136

Delta R.T. -0.00 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

Instrument :

BNA_E

ClientSampleId :

D9KN4

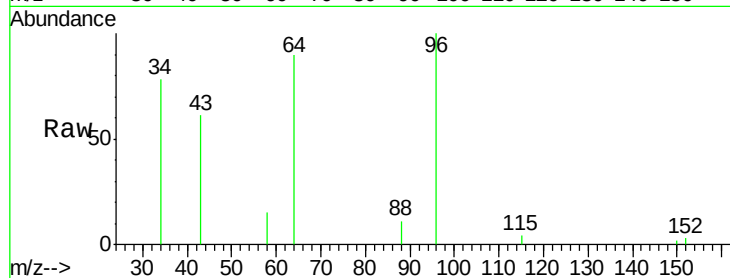
Tgt Ion: 88 Resp: 35

Ion Ratio Lower Upper

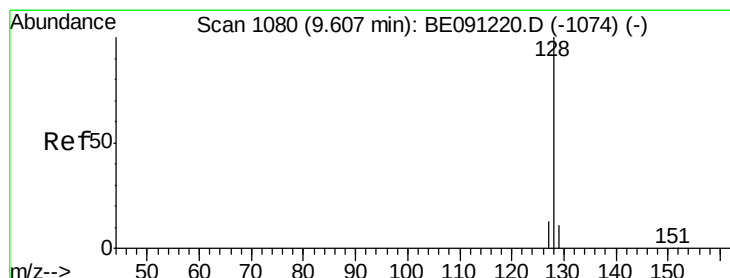
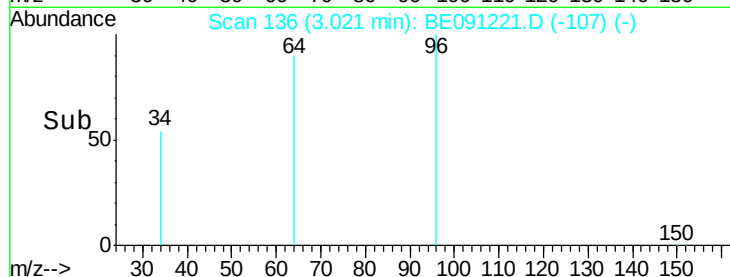
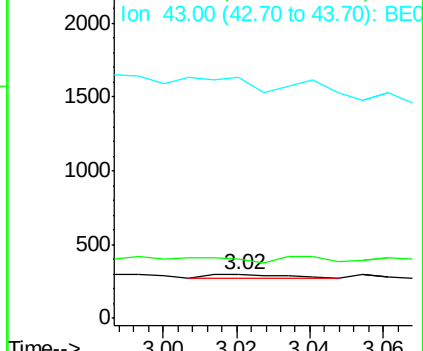
88 100

58 111.4 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: 0.02 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

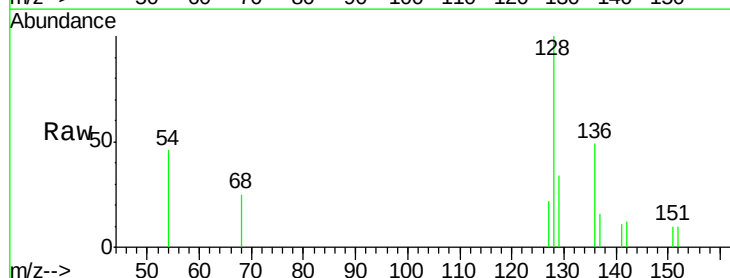
Tgt Ion: 128 Resp: 847

Ion Ratio Lower Upper

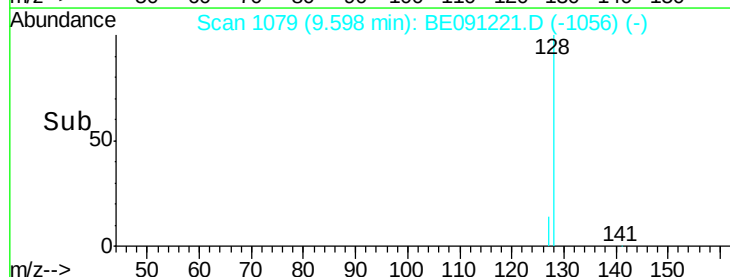
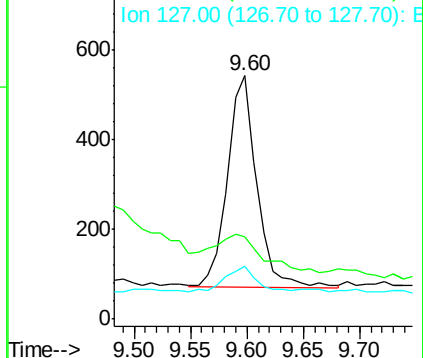
128 100

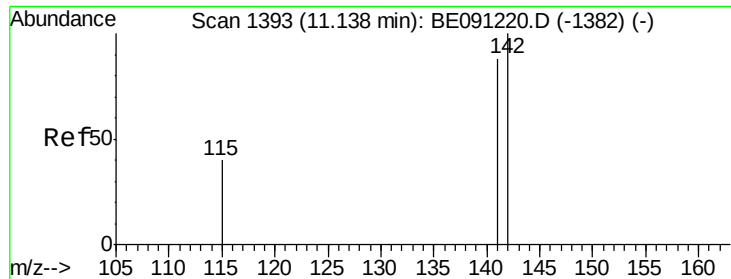
129 33.7 9.8 14.8#

127 21.9 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: 10.97 min Scan# 1356

Delta R.T. -0.17 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

Instrument :

BNA_E

ClientSampleId :

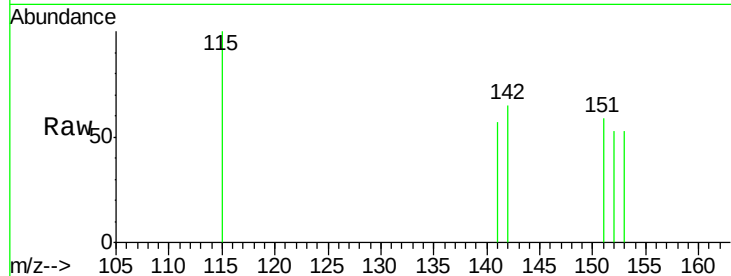
D9KN4

Tgt Ion:142 Resp: 7

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

10.97

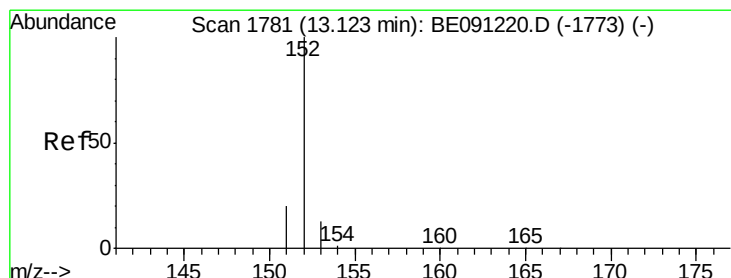
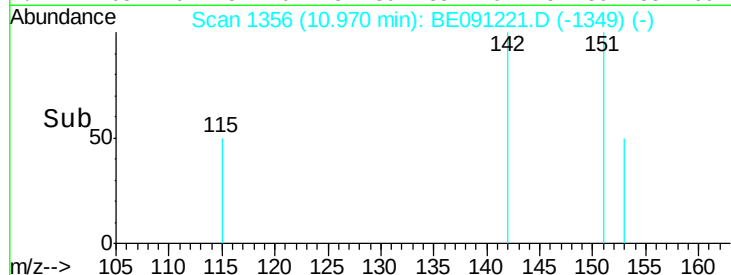
60

40

20

0

Time-->



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.07 min Scan# 1774

Delta R.T. -0.05 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

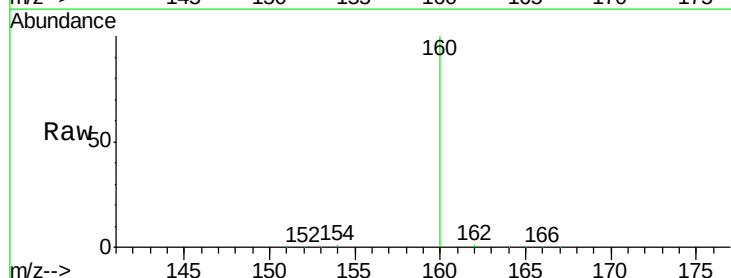
Tgt Ion:152 Resp: 127

Ion Ratio Lower Upper

152 100

151 70.2 16.8 25.2#

153 152.7 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

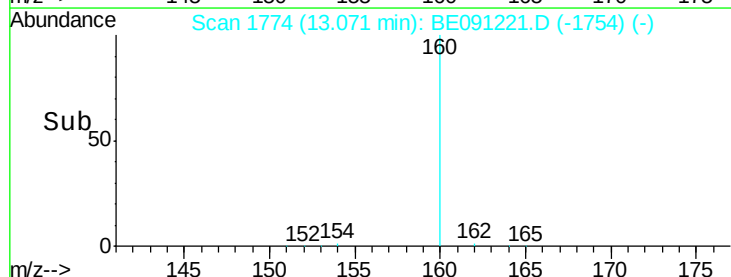
300

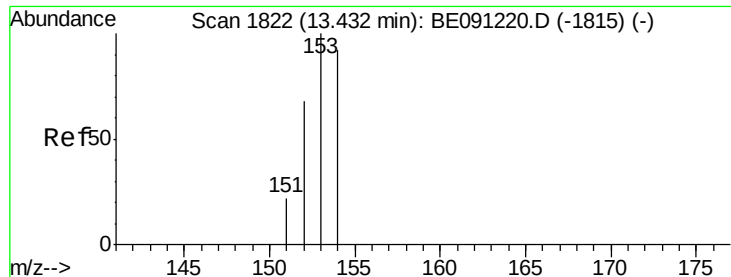
200

100

0

Time-->





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

Instrument :

BNA_E

ClientSampleId :

D9KN4

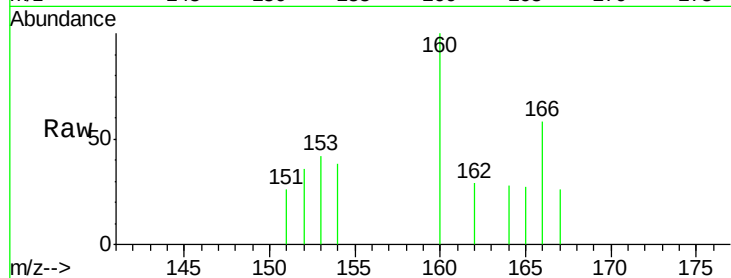
Tgt Ion:153 Resp: 126

Ion Ratio Lower Upper

153 100

152 85.8 42.3 63.5#

154 89.0 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

13.42

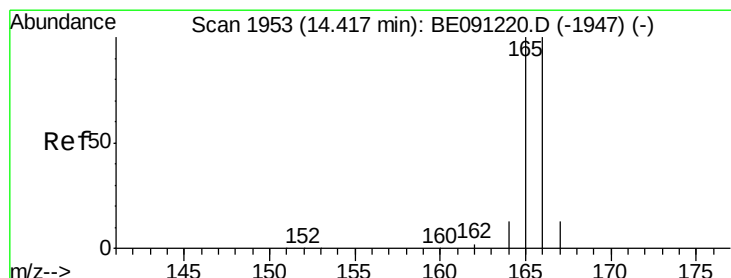
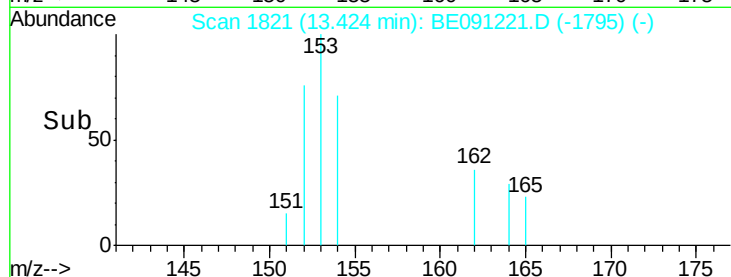
100

50

0

13.30 13.40 13.50

Time-->



#11

Fluorene

Concen: 0.00 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

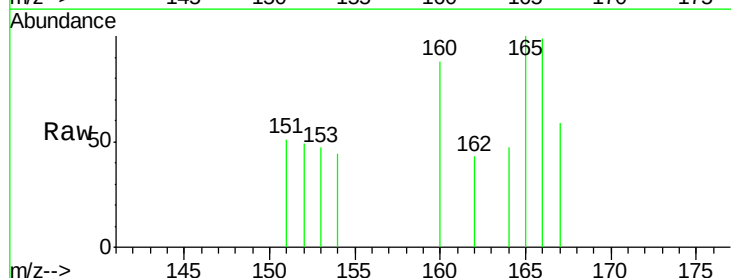
Tgt Ion:166 Resp: 138

Ion Ratio Lower Upper

166 100

165 101.3 87.6 131.4

167 59.3 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

2500

2000

1500

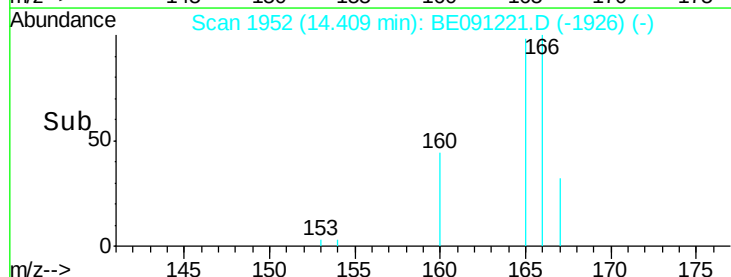
1000

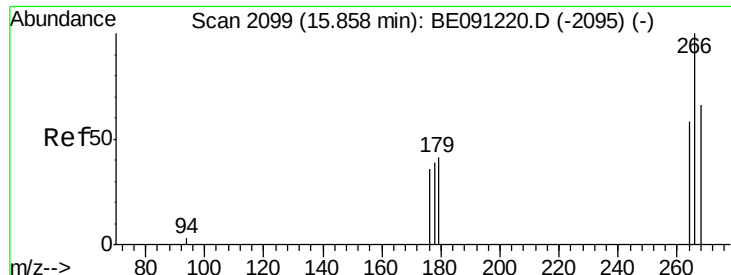
500

0

14.35 14.40 14.45 14.50

Time-->

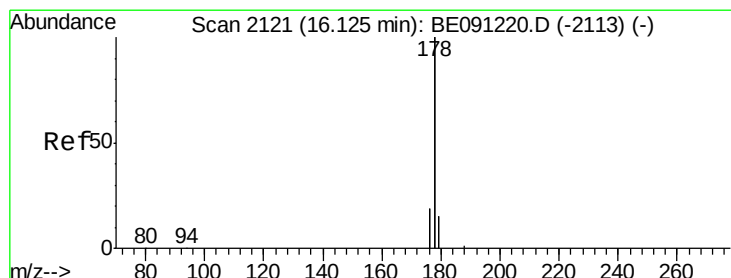
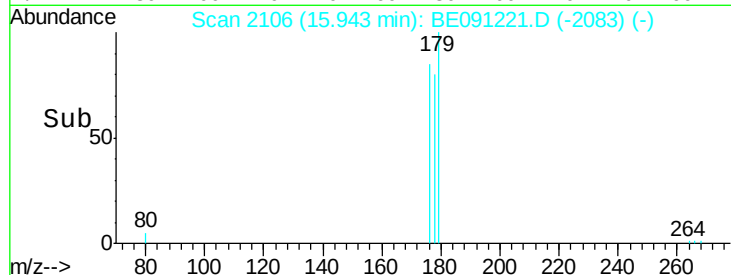
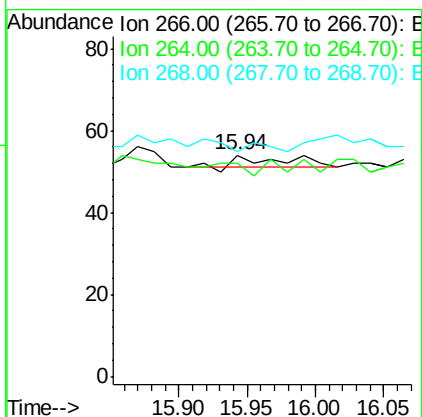
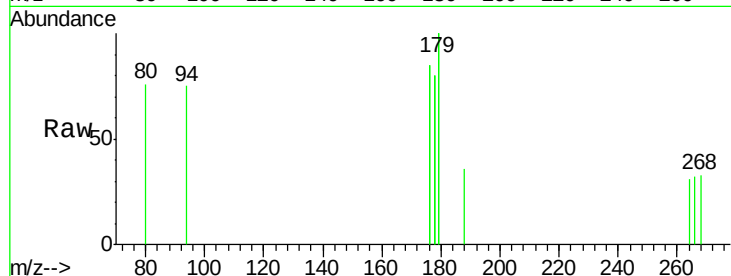




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.94 min Scan# 2106
 Delta R.T. 0.08 min
 Lab File: BE091221.D
 Acq: 18 Nov 2015 11:03

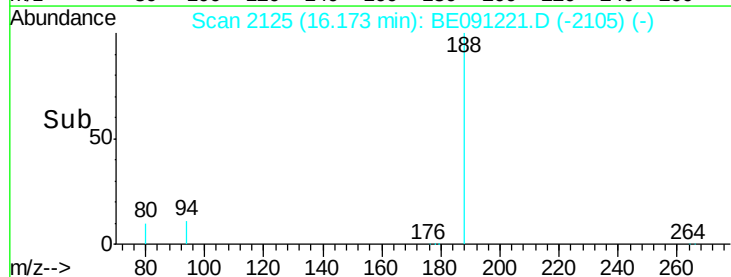
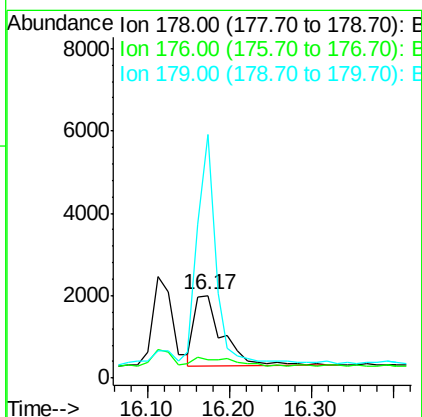
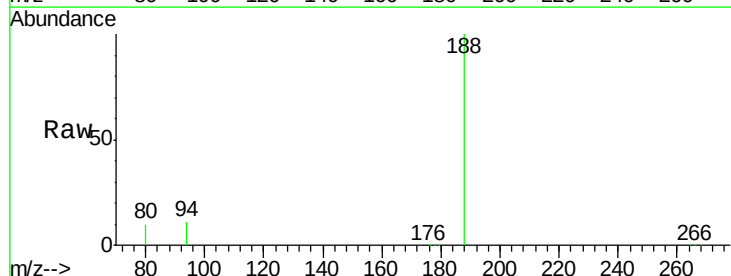
Instrument :
 BNA_E
 ClientSampleId :
 D9KN4

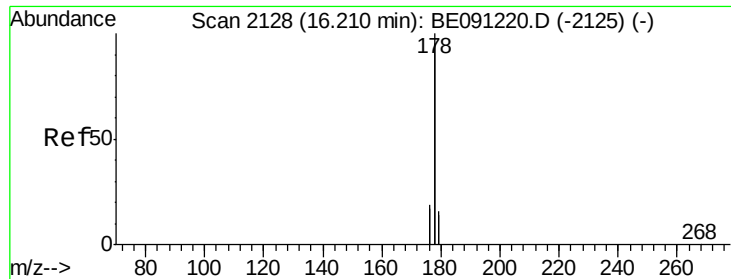
Tgt Ion: 266 Resp: 8
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 0.0 54.2 81.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.17 min Scan# 2125
 Delta R.T. 0.05 min
 Lab File: BE091221.D
 Acq: 18 Nov 2015 11:03

Tgt Ion: 178 Resp: 4012
 Ion Ratio Lower Upper
 178 100
 176 21.7 16.2 24.4
 179 295.2 12.8 19.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.17 min Scan# 2125

Delta R.T. -0.04 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

Instrument :

BNA_E

ClientSampleId :

D9KN4

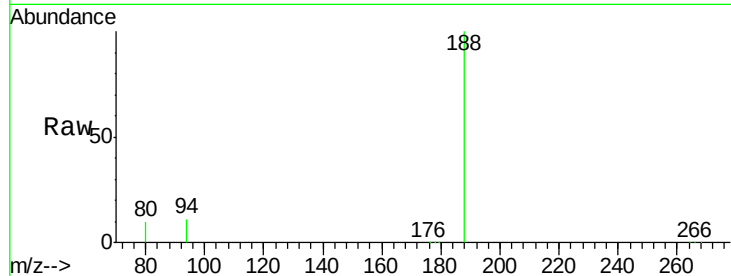
Tgt Ion:178 Resp: 3886

Ion Ratio Lower Upper

178 100

176 21.7 15.8 23.8

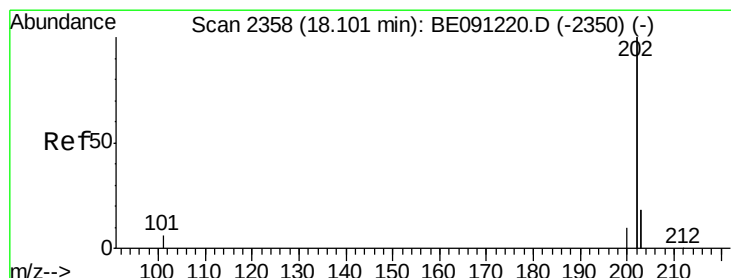
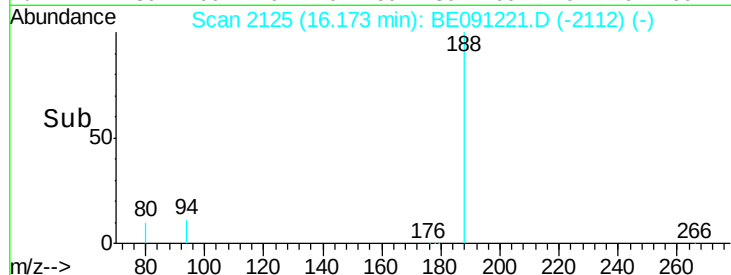
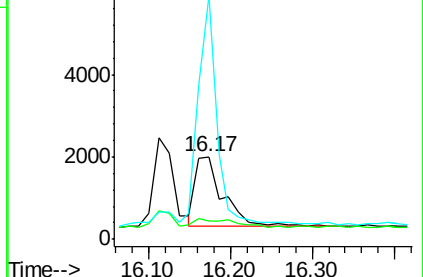
179 295.2 13.3 19.9#



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: 18.10 min Scan# 2357

Delta R.T. -0.00 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

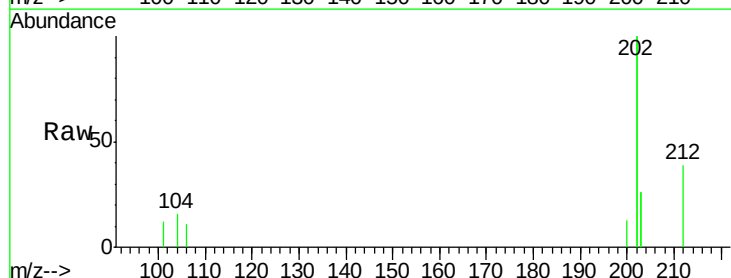
Tgt Ion:202 Resp: 4935

Ion Ratio Lower Upper

202 100

101 6.1 0.0 33.1

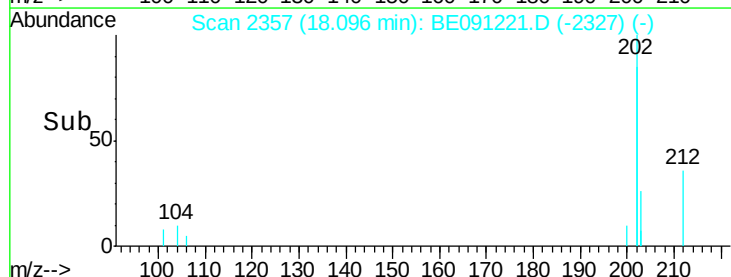
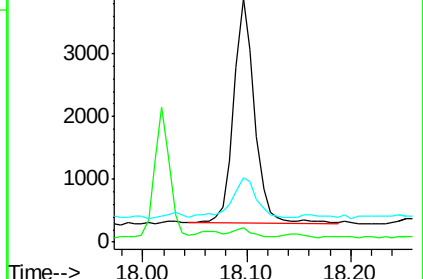
203 26.3 0.0 37.2

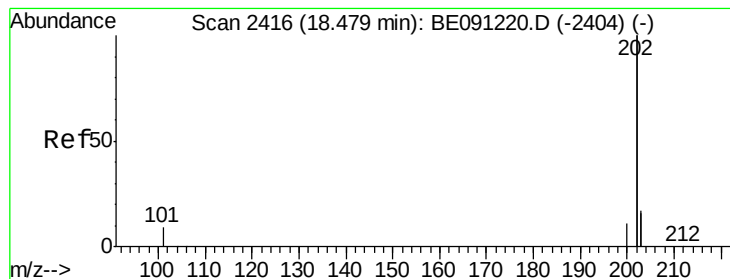


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.03 ng/ul

RT: 18.45 min Scan# 2412

Delta R.T. -0.02 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

Instrument :

BNA_E

ClientSampleId :

D9KN4

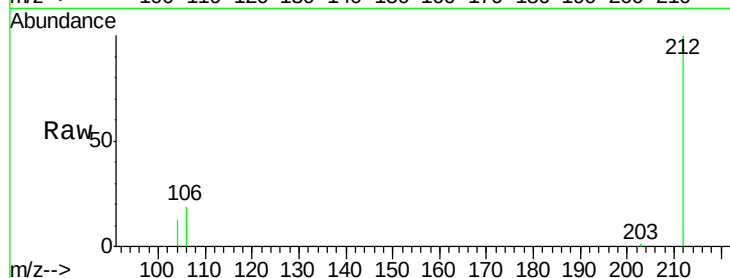
Tgt Ion:202 Resp: 17981

Ion Ratio Lower Upper

202 100

200 1.8 18.0 27.0#

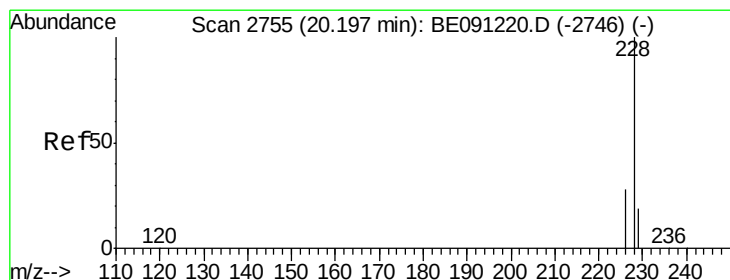
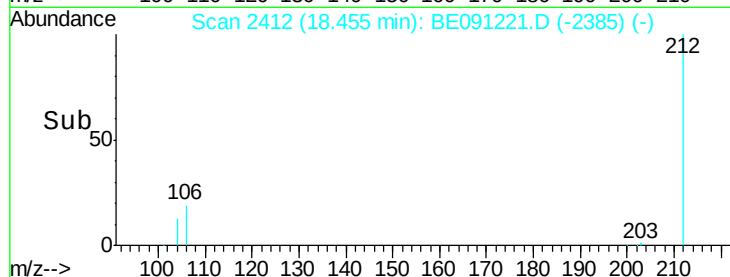
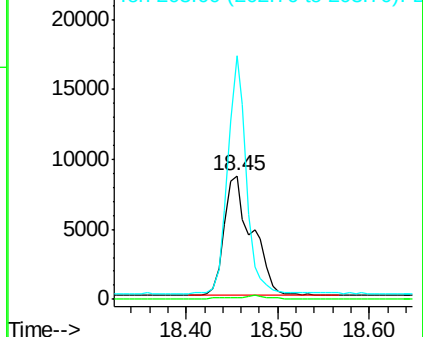
203 197.5 13.8 20.6#



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: 0.01 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

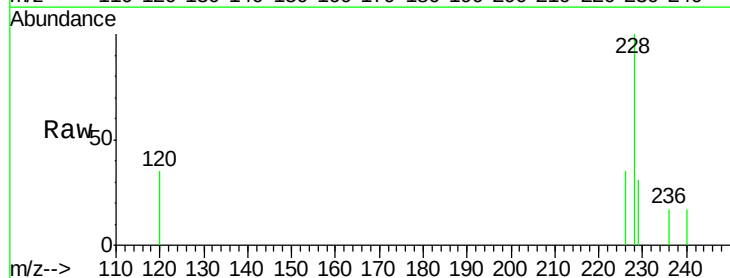
Tgt Ion:228 Resp: 776

Ion Ratio Lower Upper

228 100

226 34.8 23.0 34.4#

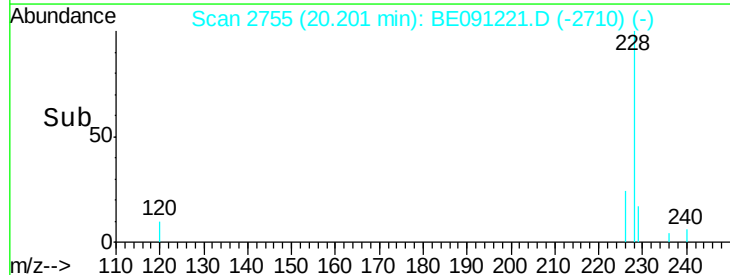
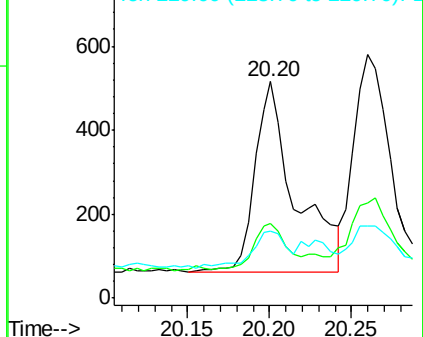
229 30.9 15.2 22.8#

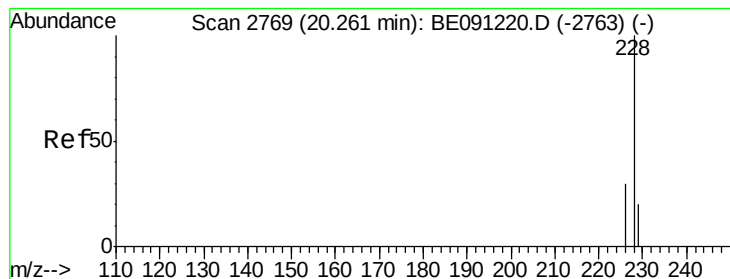


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.01 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

Instrument :

BNA_E

ClientSampleId :

D9KN4

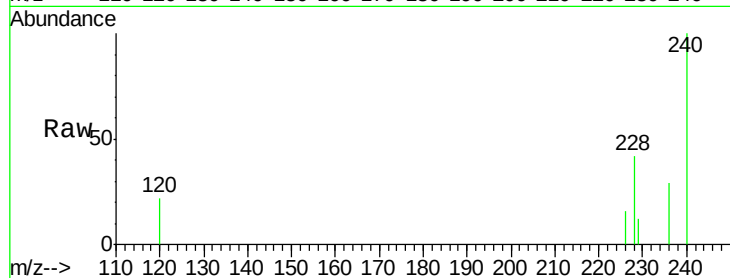
Tgt Ion:228 Resp: 841

Ion Ratio Lower Upper

228 100

226 39.3 25.7 38.5#

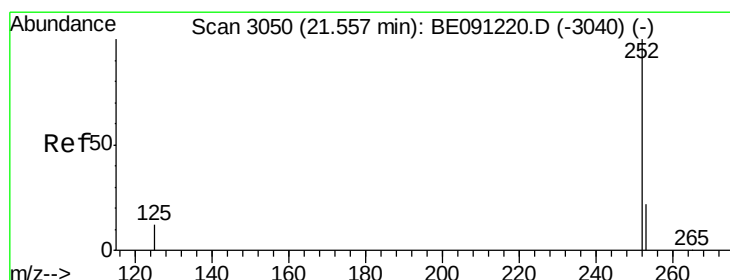
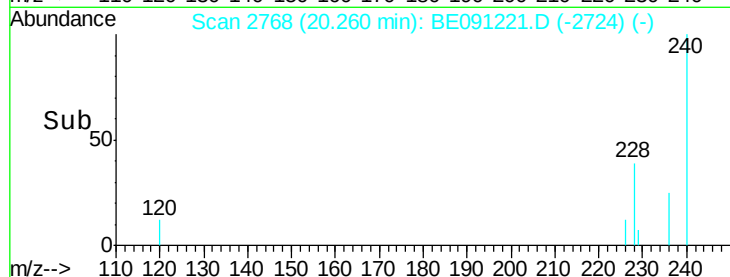
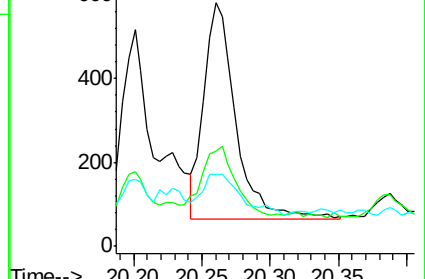
229 29.8 15.2 22.8#



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



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.47 min Scan# 3030

Delta R.T. -0.09 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

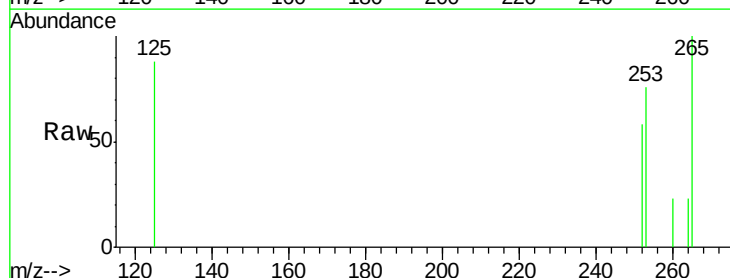
Tgt Ion:252 Resp: 24

Ion Ratio Lower Upper

252 100

253 131.8 0.0 48.0#

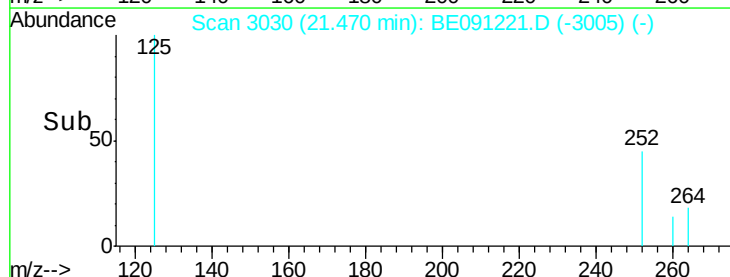
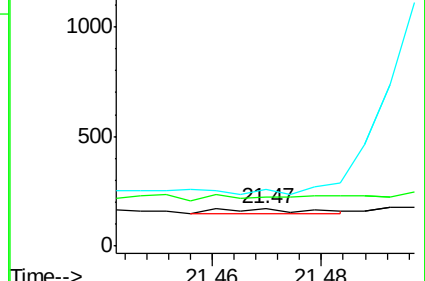
125 152.4 0.0 36.6#

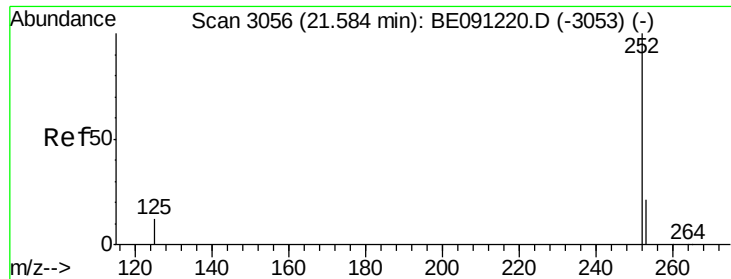


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.47 min Scan# 3030

Delta R.T. -0.11 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

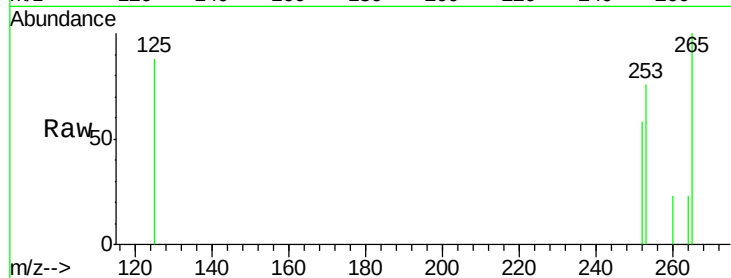
Instrument :

BNA_E

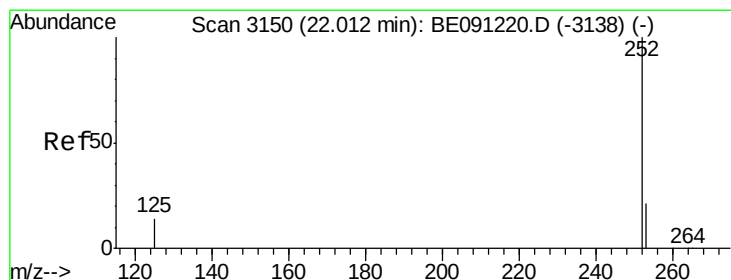
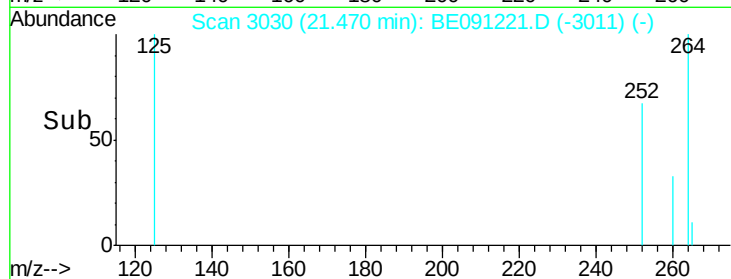
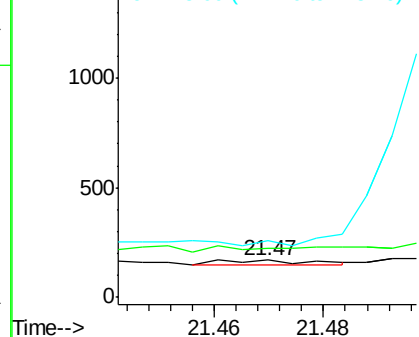
ClientSampleId :

D9KN4

Tgt Ion:	252	Resp:	24
Ion	Ratio	Lower	Upper
252	100		
253	131.8	20.8	31.2#
125	152.4	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: 0.00 ng/ul

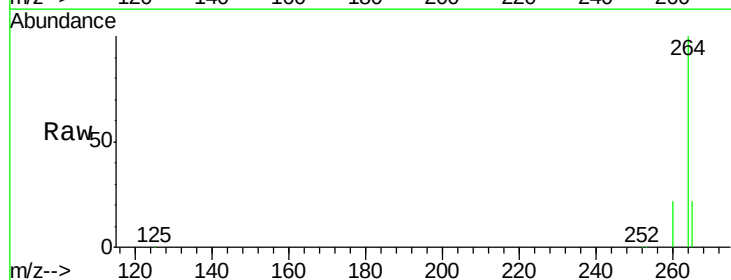
RT: 21.98 min Scan# 3143

Delta R.T. -0.03 min

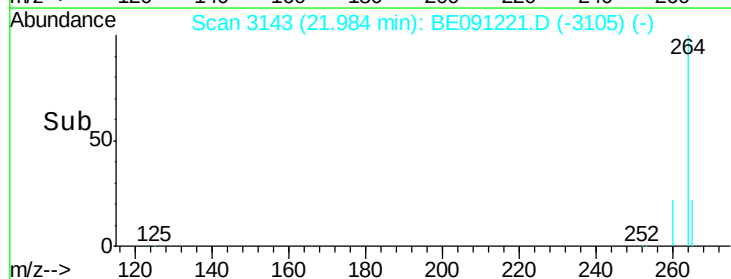
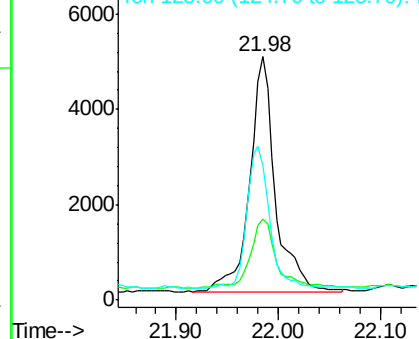
Lab File: BE091221.D

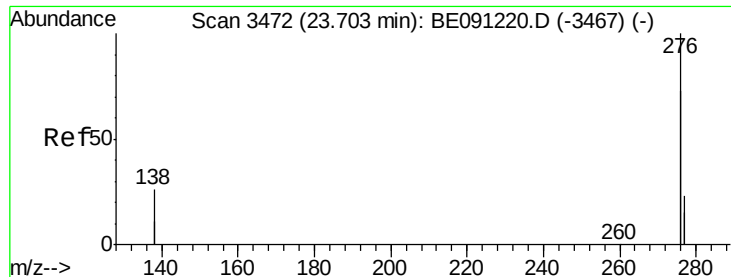
Acq: 18 Nov 2015 11:03

Tgt Ion:	252	Resp:	8611
Ion	Ratio	Lower	Upper
252	100		
253	33.2	21.8	32.8#
125	55.3	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: 0.00 ng/ul

RT: 23.56 min Scan# 3449

Delta R.T. -0.14 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

Instrument :

BNA_E

ClientSampleId :

D9KN4

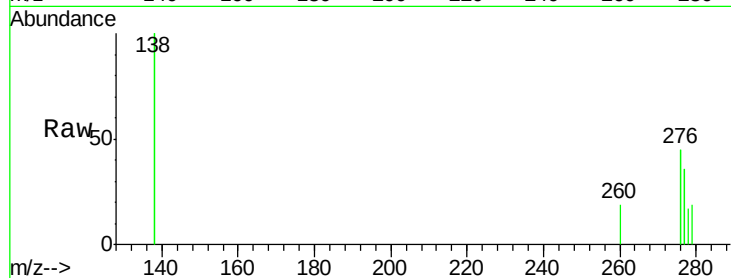
Tgt Ion:276 Resp: 340

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

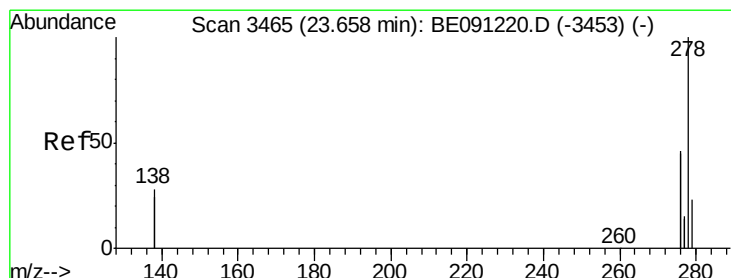
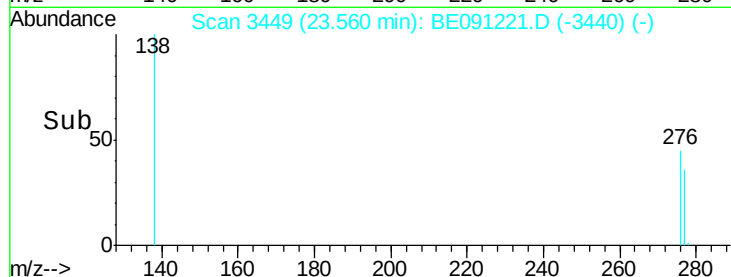
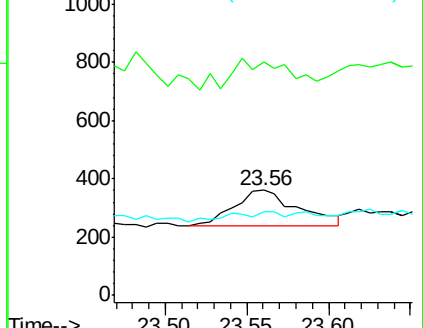
277 4.7 19.3 28.9#



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: 0.00 ng/ul

RT: 23.51 min Scan# 3442

Delta R.T. -0.14 min

Lab File: BE091221.D

Acq: 18 Nov 2015 11:03

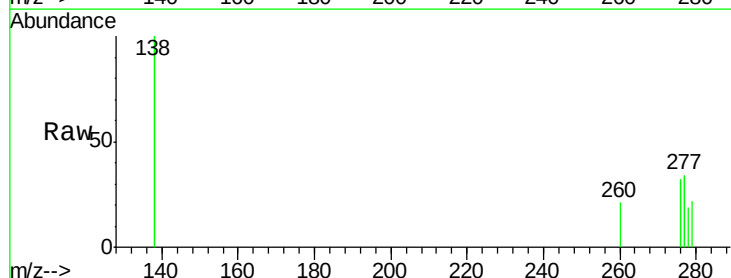
Tgt Ion:278 Resp: 10

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

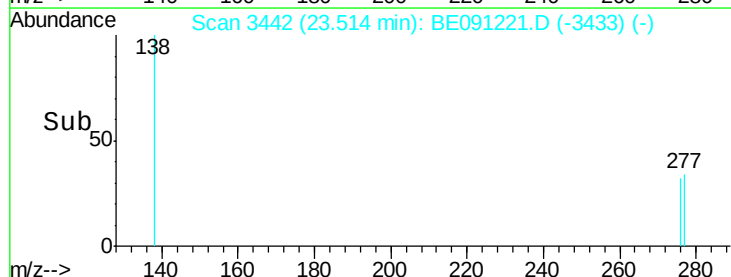
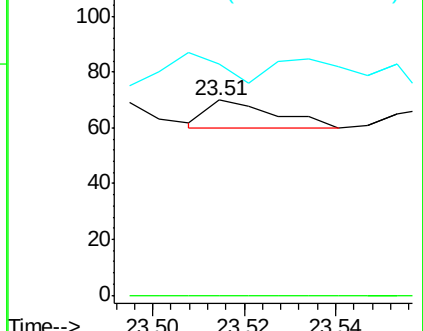
279 118.6 21.9 32.9#

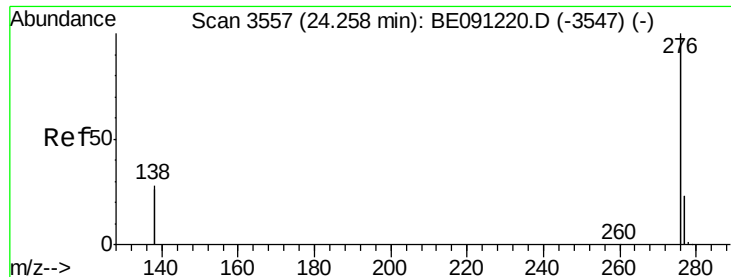


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 24.27 min Scan# 3558

Delta R.T. 0.01 min

Lab File: BE091221.D

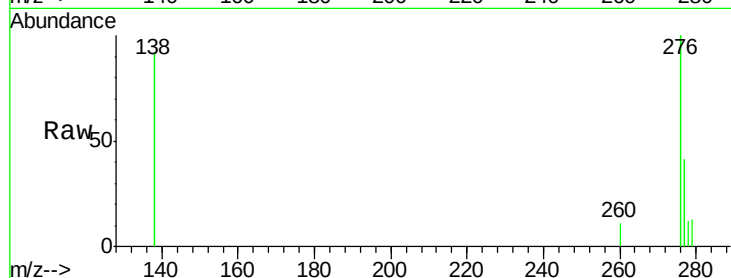
Acq: 18 Nov 2015 11:03

Instrument :

BNA_E

ClientSampleId :

D9KN4



Tgt Ion: 276 Resp: 2009

Ion Ratio Lower Upper

276 100

277 41.1 21.3 31.9#

138 90.6 25.5 38.3#

