

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091237.D
 Acq On : 18 Nov 2015 20:48
 Operator : UM/NP
 Sample : G4310-01
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KL6

Quant Time: Nov 19 06:05:39 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 06:02:12 2015
 Response via : Initial Calibration

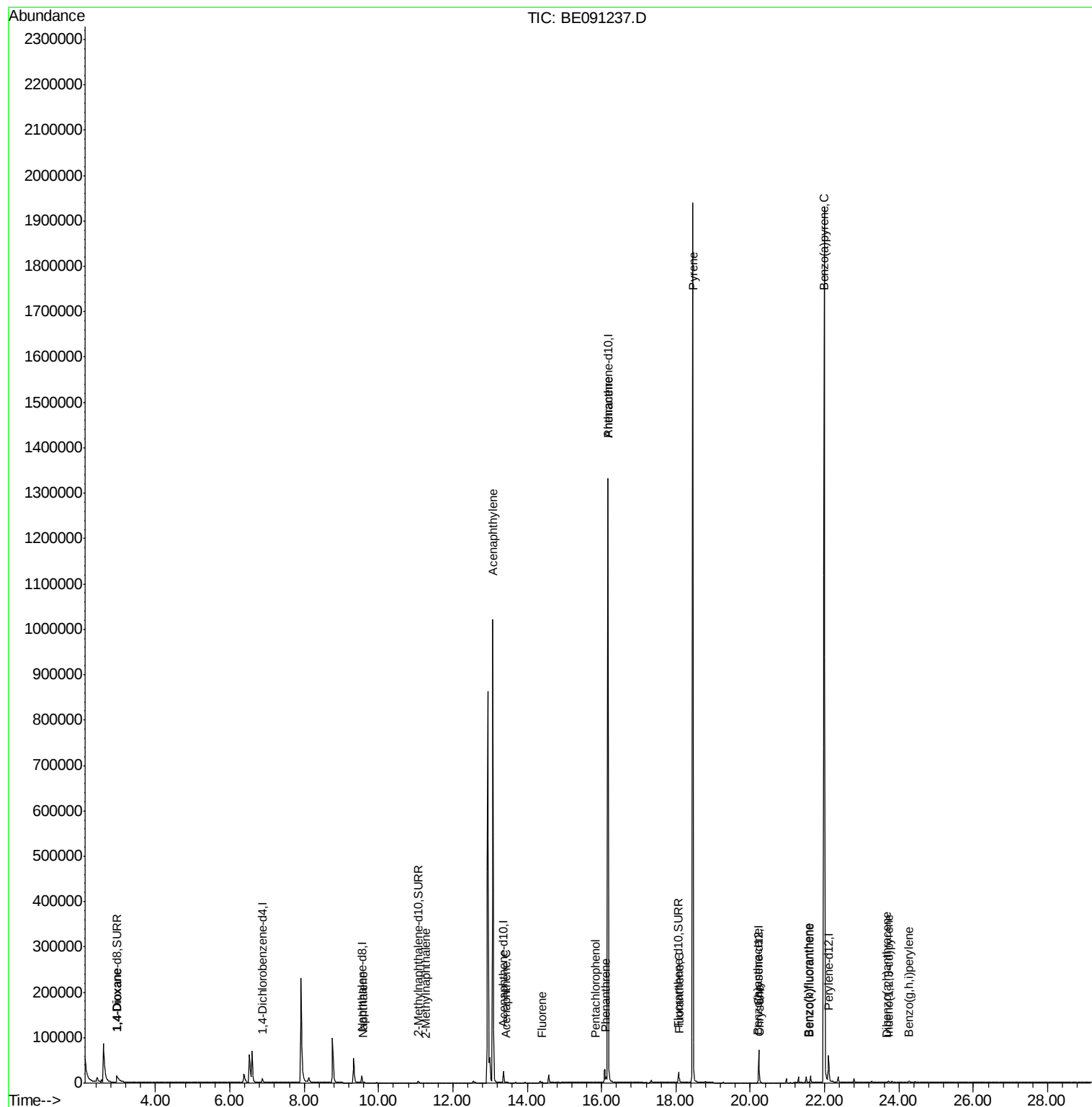
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	3793	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	19782	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	13181	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.17	188	1711121	0.40	ng/ul	0.08
18) Chrysene-d12	20.23	240	63289	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	73372	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.96	96	24459	8.96	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.06	152	7319	0.27	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	24368	0.01	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.98	88	98	0.03	ng/ul#	1
5) Naphthalene	9.59	128	653	0.01	ng/ul#	49
7) 2-Methylnaphthalene	11.26	142	4	0.00	ng/ul	87
9) Acenaphthylene	13.07	152	219	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	101	0.00	ng/ul#	71
11) Fluorene	14.41	166	301	0.01	ng/ul#	81
13) Pentachlorophenol	15.84	266	32	0.00	ng/ul	90
14) Phenanthrene	16.11	178	13293	0.00	ng/ul	93
15) Anthracene	16.17	178	5313	0.00	ng/ul#	1
17) Fluoranthene	18.10	202	10335	0.00	ng/ul	84
19) Pyrene	18.45	202	21367	0.03	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	855	0.01	ng/ul#	78
21) Chrysene	20.26	228	1656	0.01	ng/ul#	89
23) Benzo(b)fluoranthene	21.56	252	1280	0.01	ng/ul#	60
24) Benzo(k)fluoranthene	21.58	252	1115	0.00	ng/ul#	53
25) Benzo(a)pyrene	21.98	252	10139	0.05	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.71	276	3569	0.00	ng/ul#	69
27) Dibenzo(a,h)anthracene	23.66	278	547	0.00	ng/ul#	50
28) Benzo(g,h,i)perylene	24.27	276	4281	0.00	ng/ul#	46

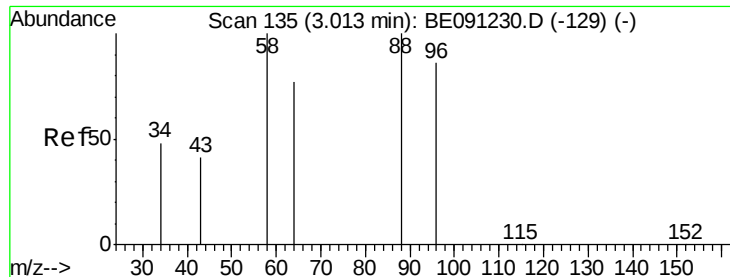
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 2.98 min Scan# 130

Delta R.T. -0.03 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

Instrument :

BNA_E

ClientSampleId :

D9KL6

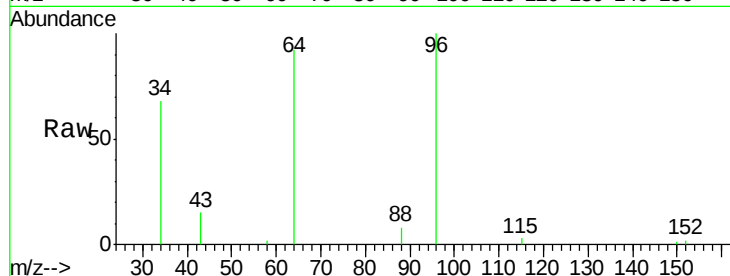
Tgt Ion: 88 Resp: 98

Ion Ratio Lower Upper

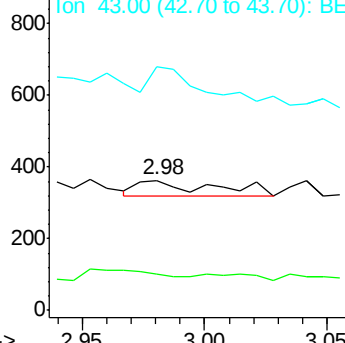
88 100

58 0.0 55.4 83.2#

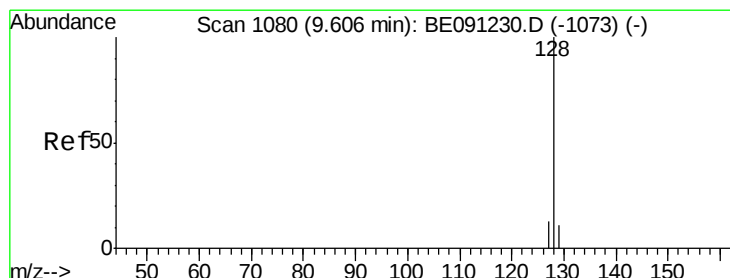
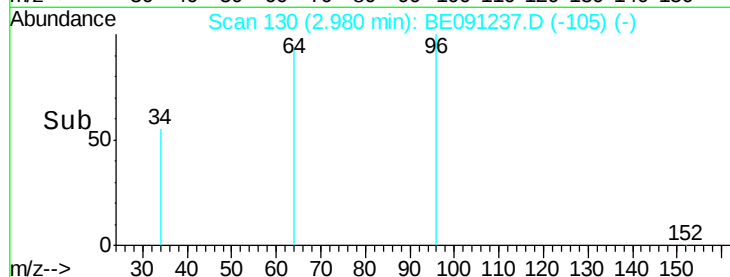
43 803.1 24.2 36.2#



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-->



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

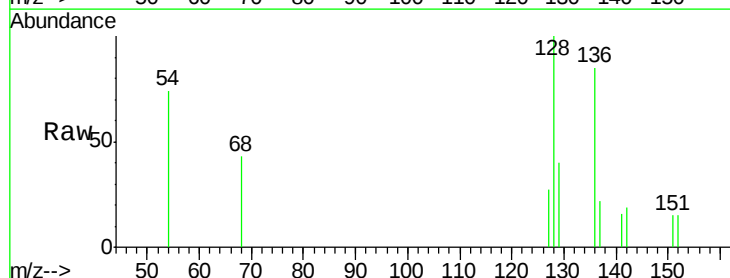
Tgt Ion: 128 Resp: 653

Ion Ratio Lower Upper

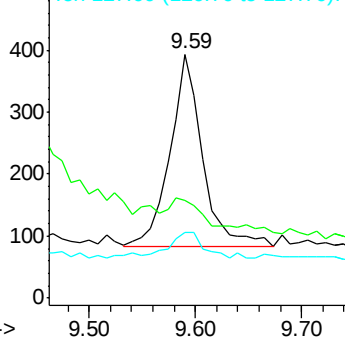
128 100

129 39.9 9.8 14.8#

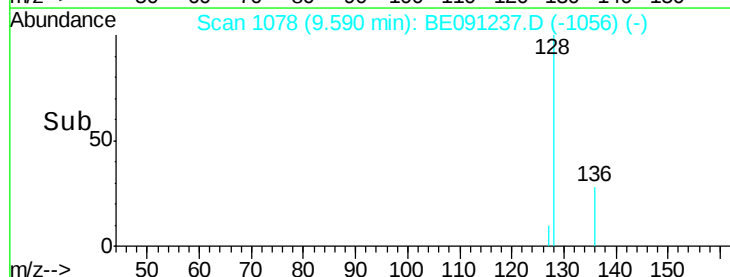
127 27.0 10.7 16.1#

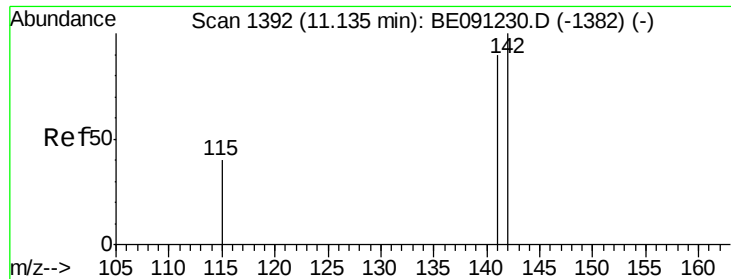


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.26 min Scan# 1420

Delta R.T. 0.13 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

Instrument :

BNA_E

ClientSampleId :

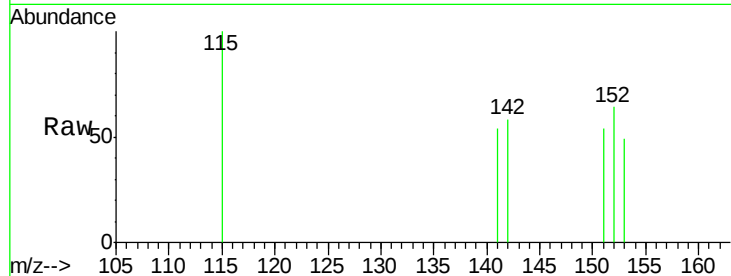
D9KL6

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

11.26

80

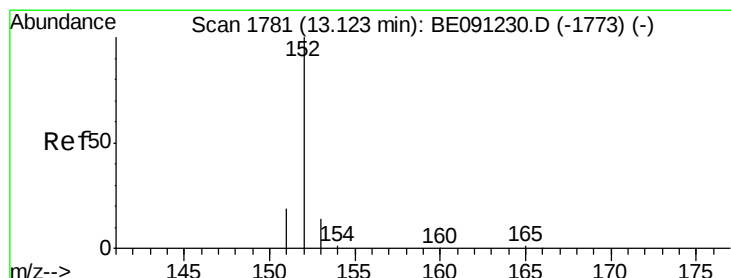
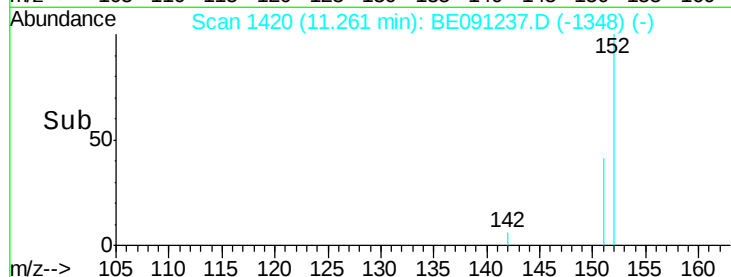
60

40

20

0

Time--> 11.25 11.26 11.27 11.28



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.07 min Scan# 1774

Delta R.T. -0.05 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

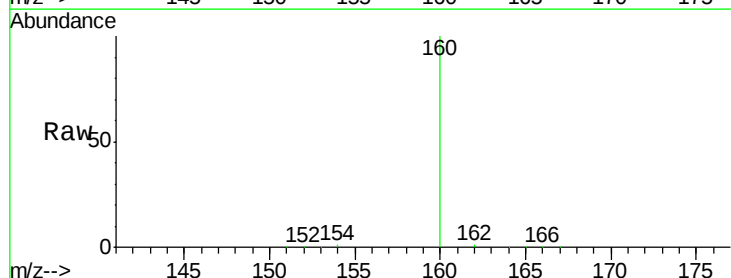
Tgt Ion:152 Resp: 219

Ion Ratio Lower Upper

152 100

151 74.7 16.8 25.2#

153 147.0 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

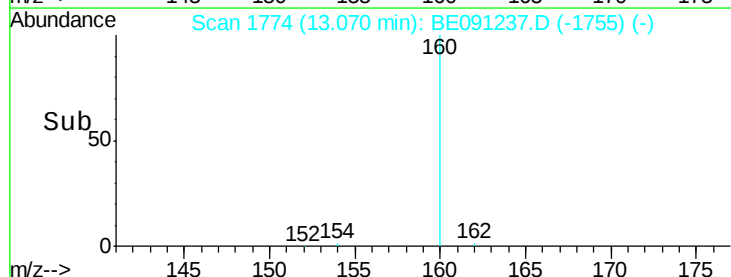
300

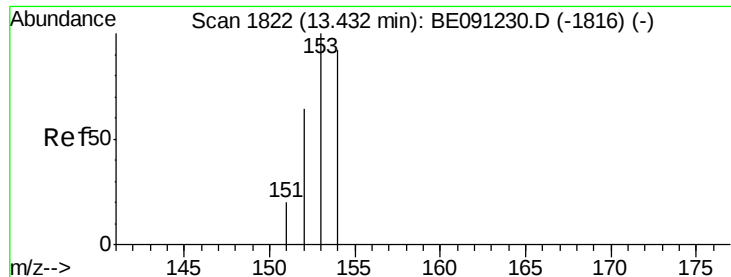
200

100

0

Time--> 13.00 13.05 13.10 13.15





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

Instrument :

BNA_E

ClientSampleId :

D9KL6

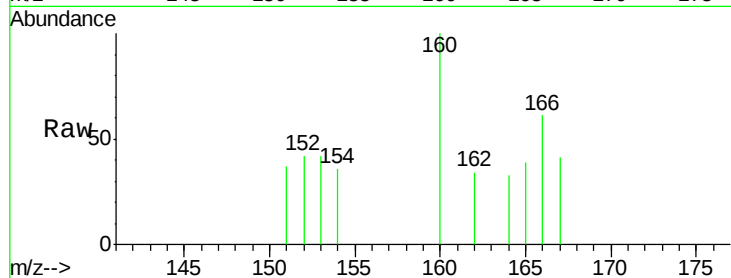
Tgt Ion:153 Resp: 101

Ion Ratio Lower Upper

153 100

152 99.2 42.3 63.5#

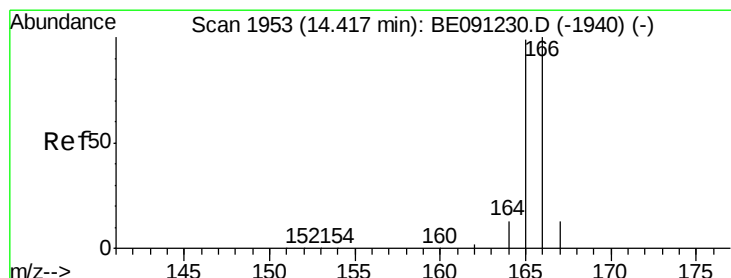
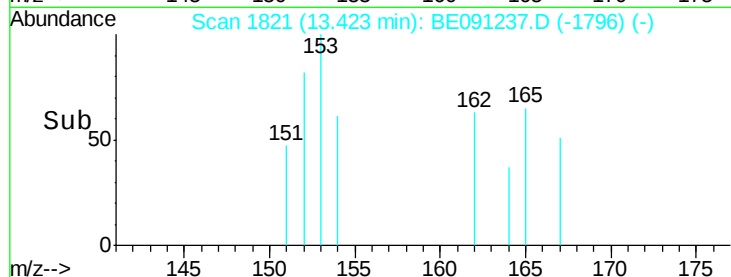
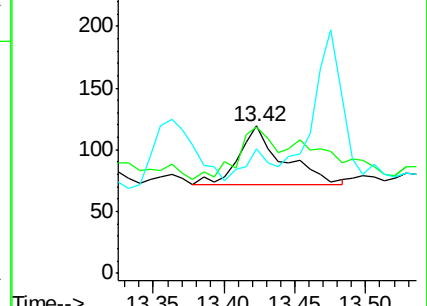
154 84.9 64.7 97.1



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: 0.01 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

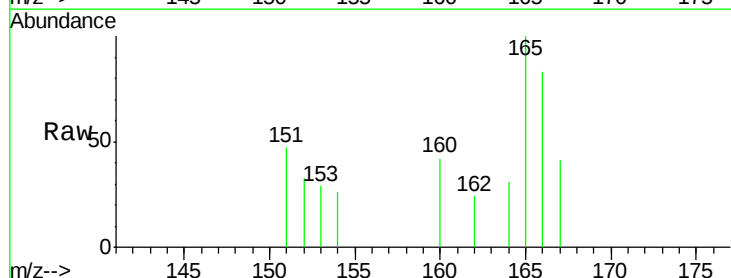
Tgt Ion:166 Resp: 301

Ion Ratio Lower Upper

166 100

165 119.9 87.6 131.4

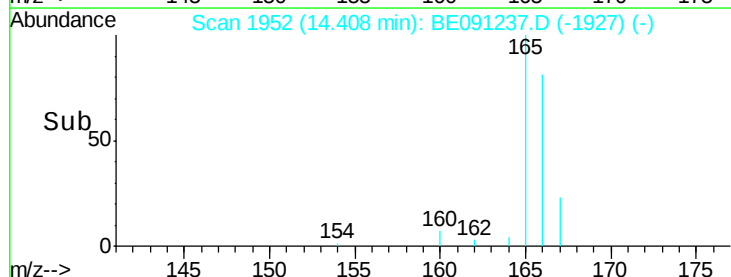
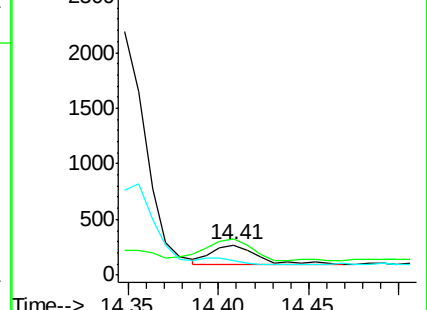
167 49.3 11.1 16.7#

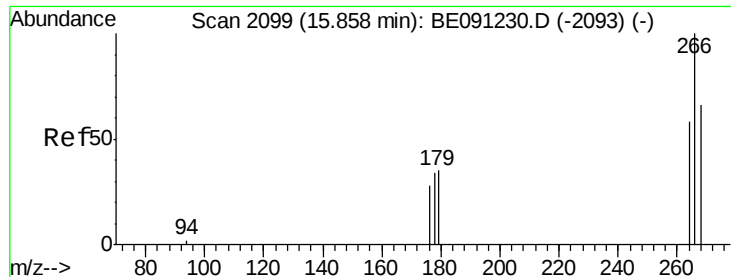


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

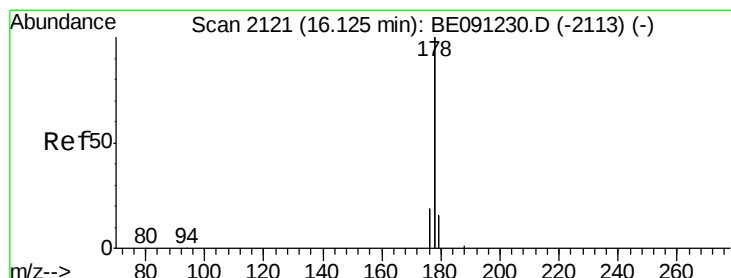
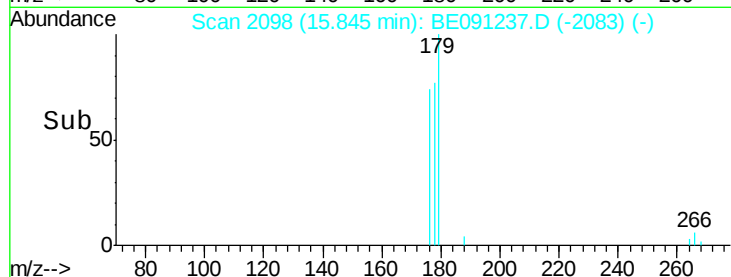
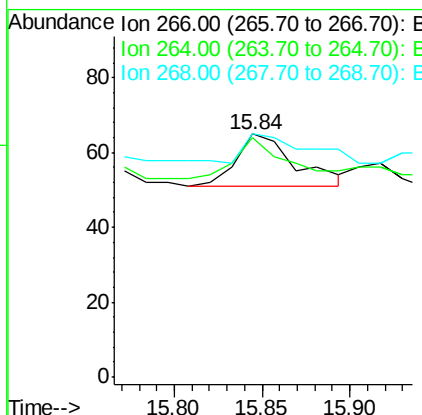
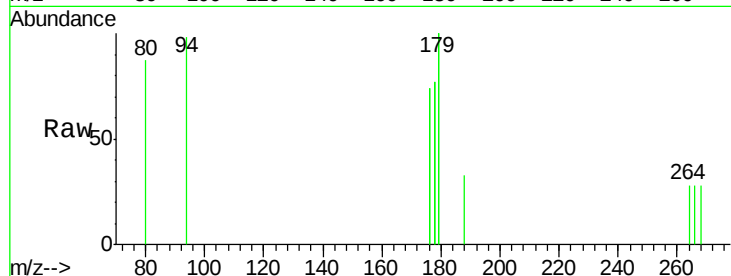




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.84 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091237.D
 Acq: 18 Nov 2015 20:48

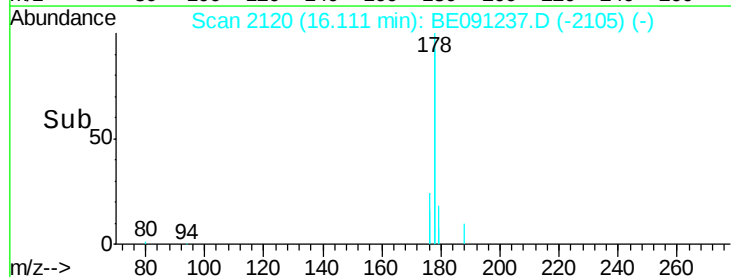
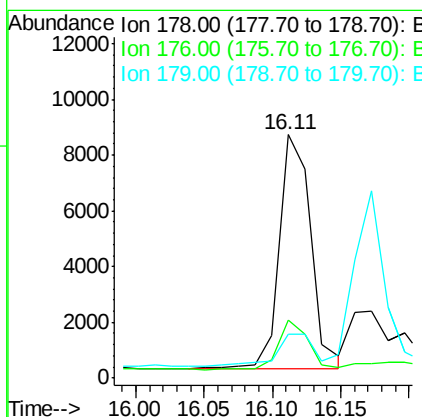
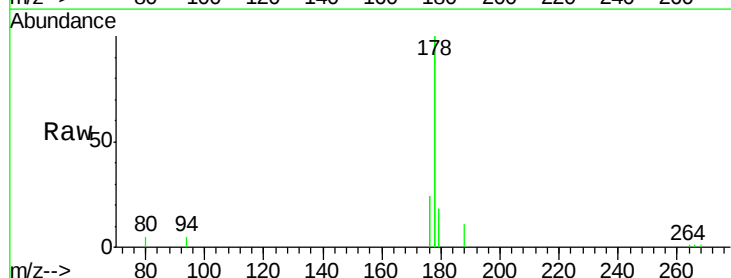
Instrument :
 BNA_E
 ClientSampleId :
 D9KL6

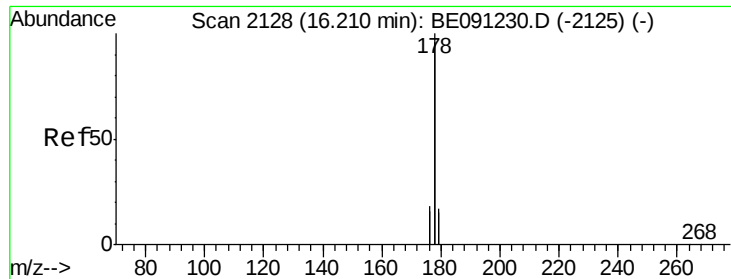
Tgt Ion: 266 Resp: 32
 Ion Ratio Lower Upper
 266 100
 264 78.1 53.5 80.3
 268 62.5 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091237.D
 Acq: 18 Nov 2015 20:48

Tgt Ion: 178 Resp: 13293
 Ion Ratio Lower Upper
 178 100
 176 24.0 16.2 24.4
 179 18.2 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: BE091237.D

Acq: 18 Nov 2015 20:48

Instrument :

BNA_E

ClientSampleId :

D9KL6

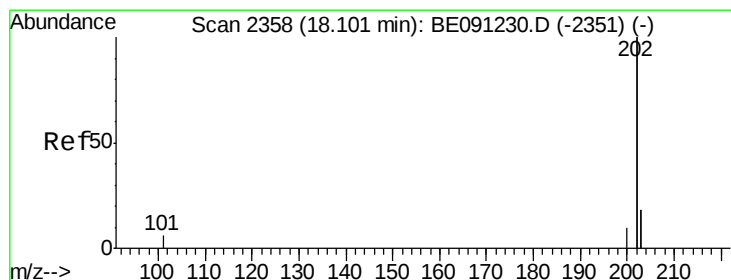
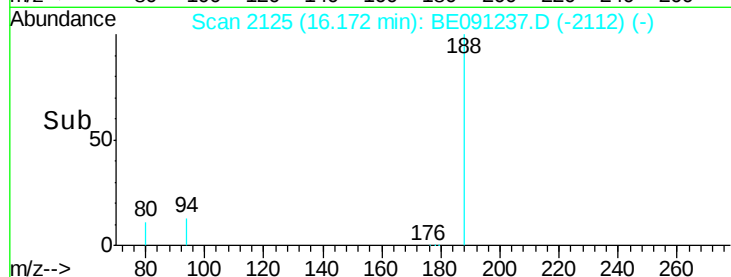
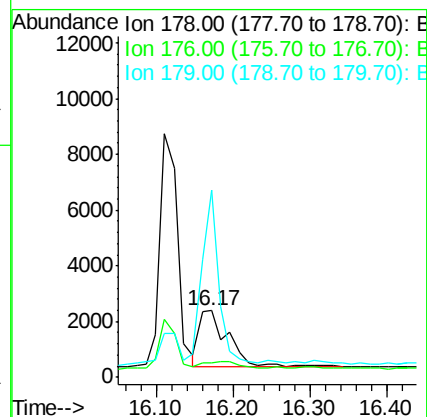
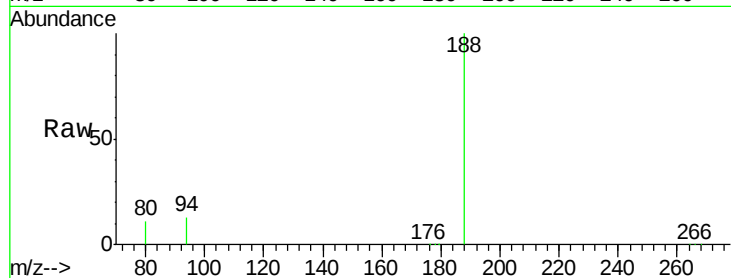
Tgt Ion:178 Resp: 5313

Ion Ratio Lower Upper

178 100

176 21.2 15.8 23.8

179 281.2 13.3 19.9#



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 18.10 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

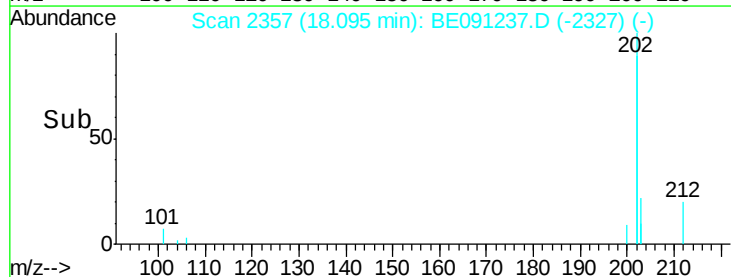
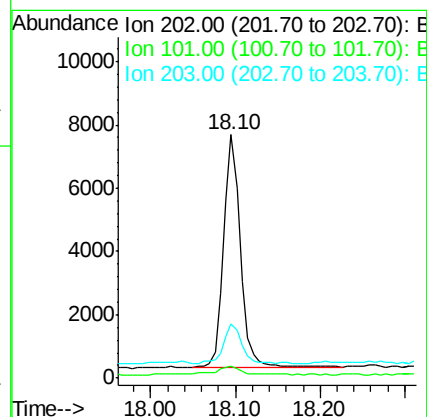
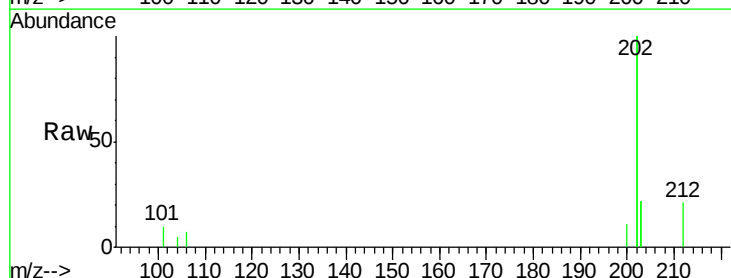
Tgt Ion:202 Resp: 10335

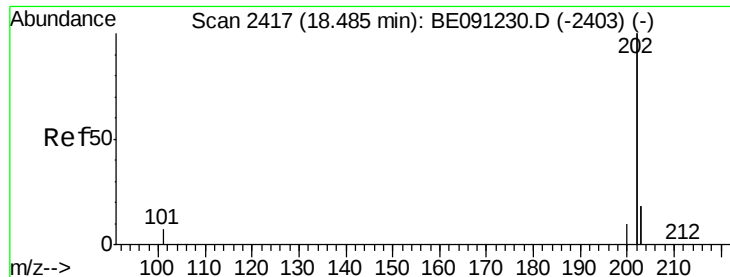
Ion Ratio Lower Upper

202 100

101 4.9 0.0 33.1

203 22.4 0.0 37.2





#19

Pyrene

Concen: 0.03 ng/ul

RT: 18.45 min Scan# 2412

Delta R.T. -0.03 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

Instrument :

BNA_E

ClientSampleId :

D9KL6

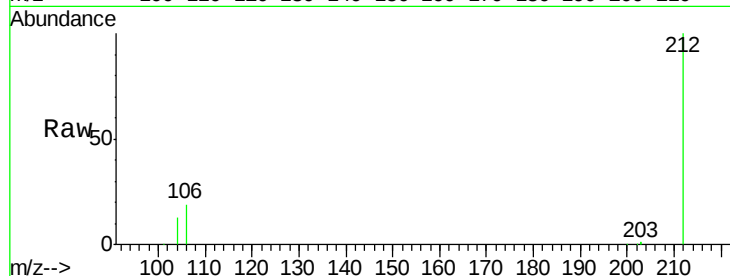
Tgt Ion:202 Resp: 21367

Ion Ratio Lower Upper

202 100

200 1.7 18.0 27.0#

203 202.1 13.8 20.6#

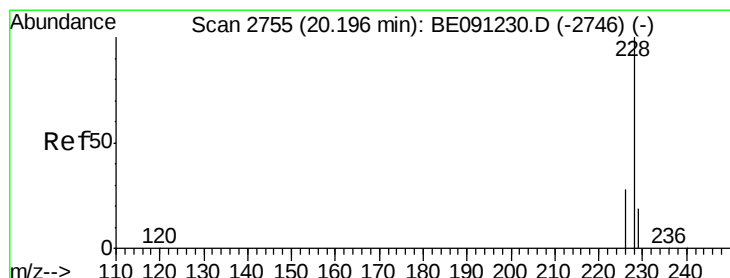
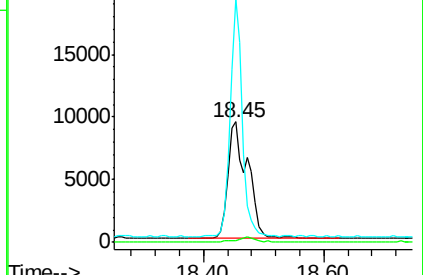
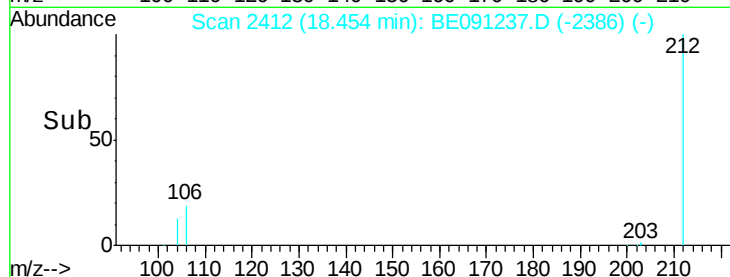


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

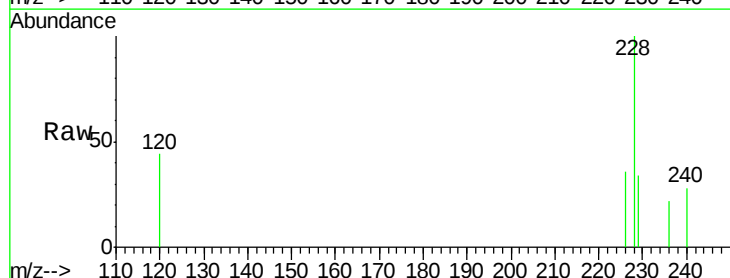
Tgt Ion:228 Resp: 855

Ion Ratio Lower Upper

228 100

226 36.0 23.0 34.4#

229 34.2 15.2 22.8#

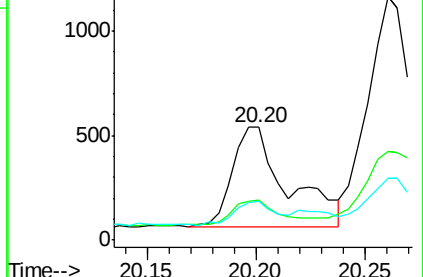
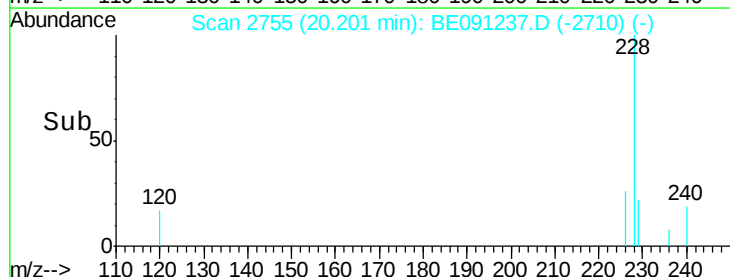


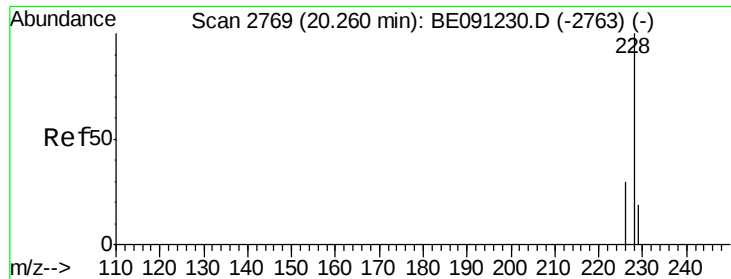
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->





#21

Chrysene

Concen: 0.01 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

Instrument :

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D9KL6

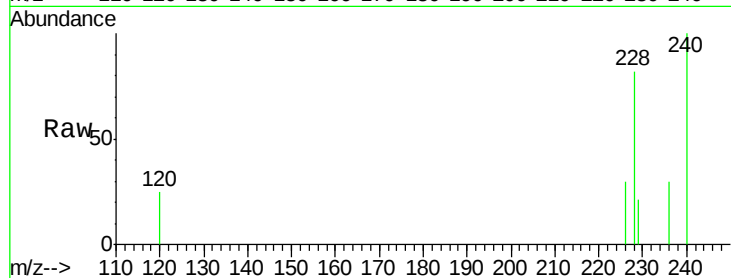
Tgt Ion:228 Resp: 1656

Ion Ratio Lower Upper

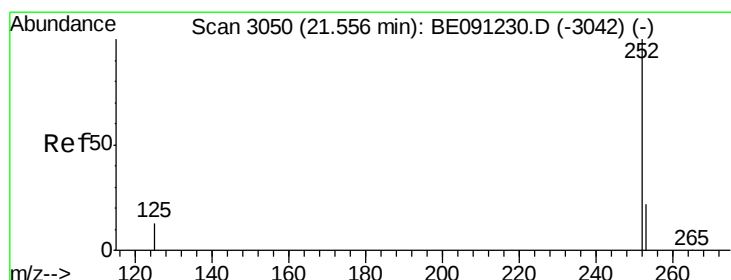
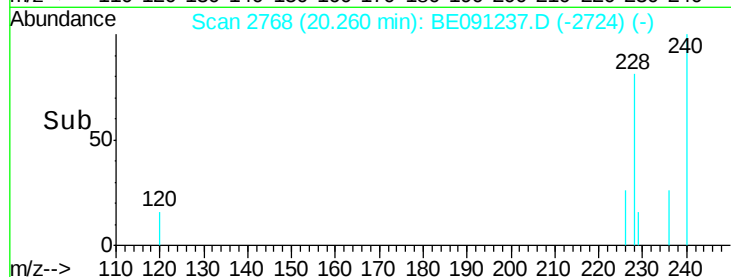
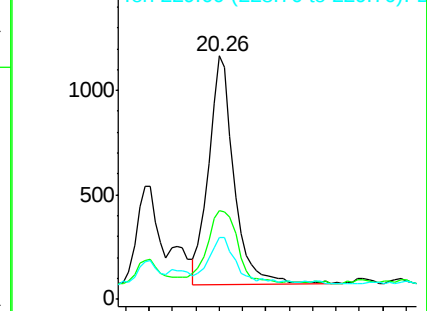
228 100

226 36.6 25.7 38.5

229 25.6 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: 0.01 ng/ul

RT: 21.56 min Scan# 3049

Delta R.T. 0.00 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

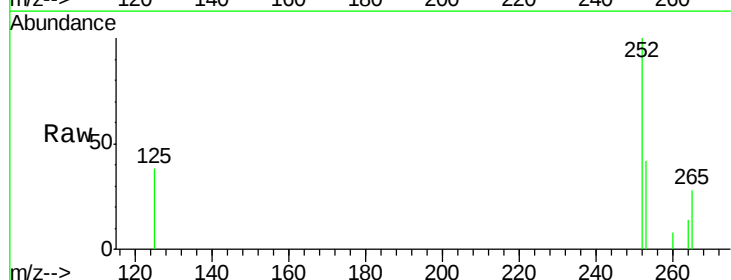
Tgt Ion:252 Resp: 1280

Ion Ratio Lower Upper

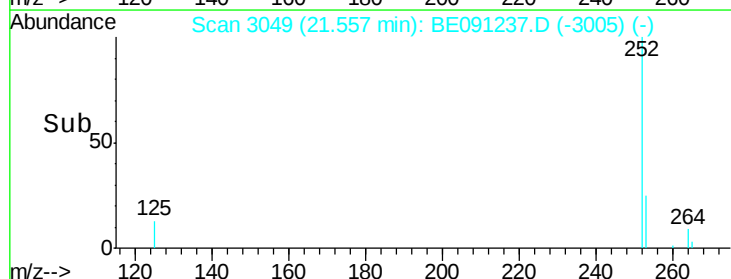
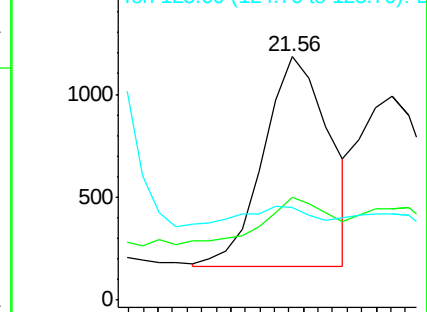
252 100

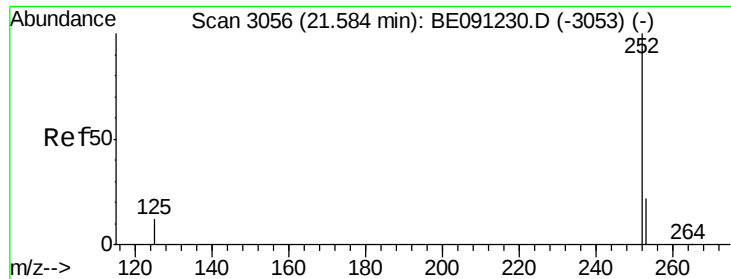
253 42.0 0.0 48.0

125 38.3 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/u1

RT: 21.58 min Scan# 3055

Delta R.T. 0.00 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

Instrument :

BNA_E

ClientSampleId :

D9KL6

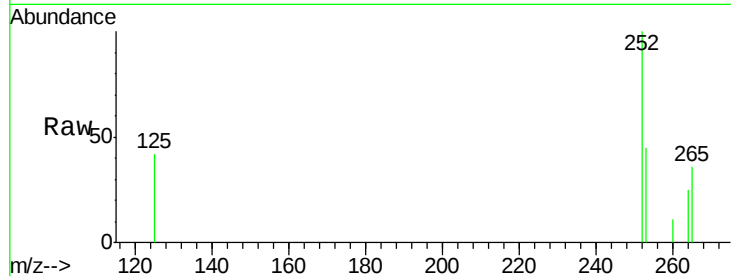
Tgt Ion:252 Resp: 1115

Ion Ratio Lower Upper

252 100

253 44.6 20.8 31.2#

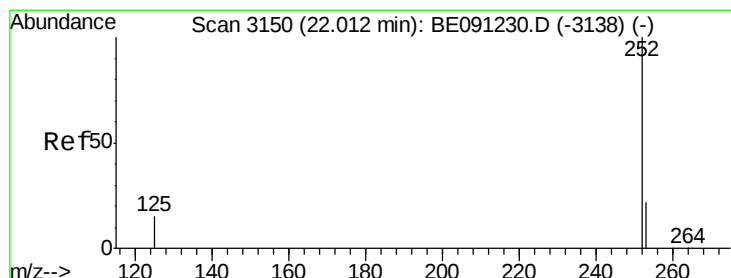
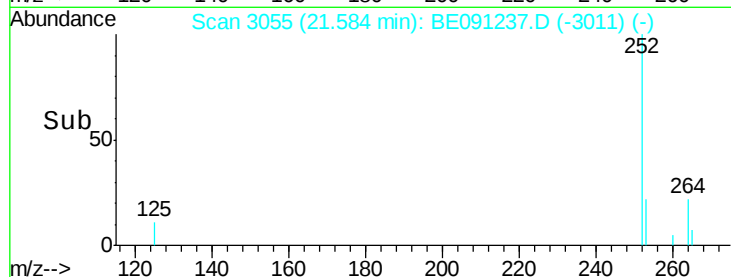
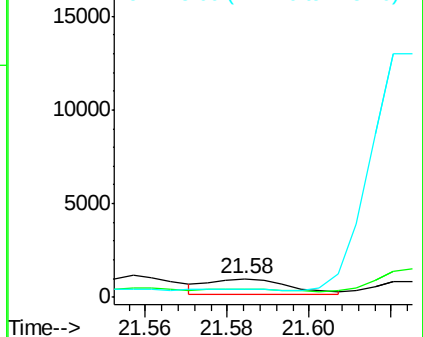
125 42.4 12.2 18.4#



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: 0.05 ng/u1

RT: 21.98 min Scan# 3143

Delta R.T. -0.03 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

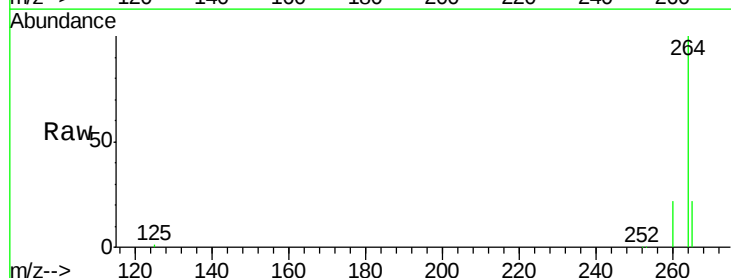
Tgt Ion:252 Resp: 10139

Ion Ratio Lower Upper

252 100

253 44.4 21.8 32.8#

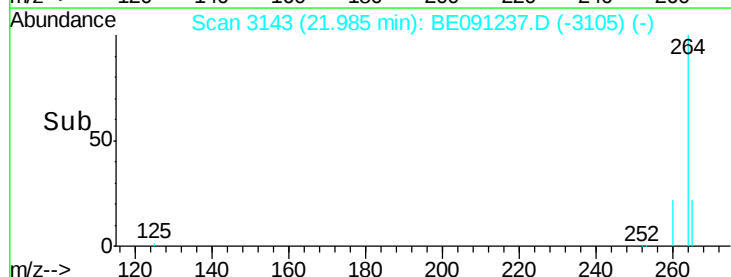
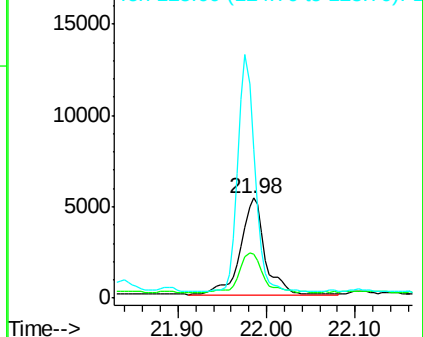
125 149.1 14.5 21.7#

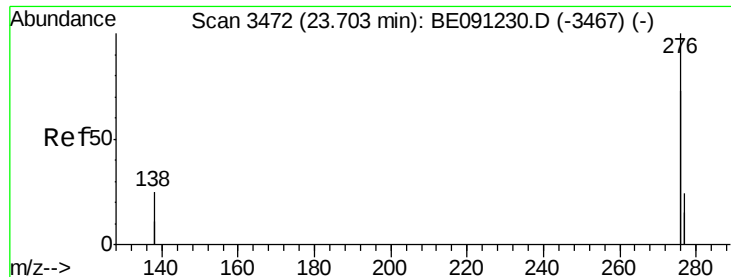


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.71 min Scan# 3472

Delta R.T. 0.01 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

Instrument :

BNA_E

ClientSampleId :

D9KL6

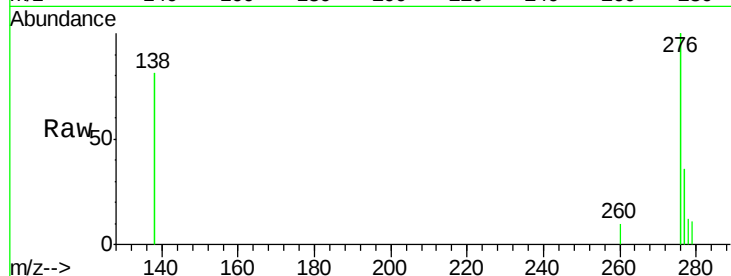
Tgt Ion:276 Resp: 3569

Ion Ratio Lower Upper

276 100

138 61.5 27.5 41.3#

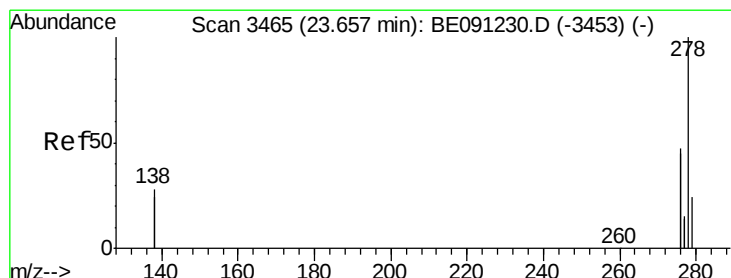
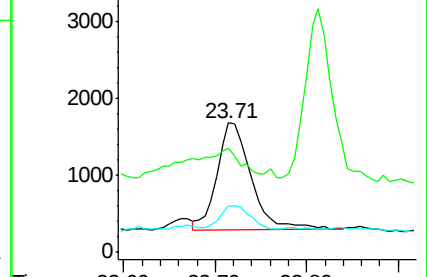
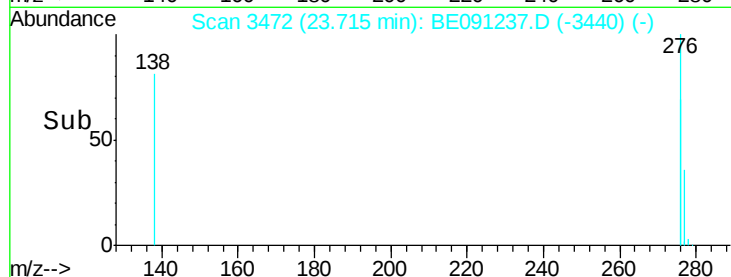
277 20.6 19.3 28.9



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: 23.66 min Scan# 3464

Delta R.T. 0.01 min

Lab File: BE091237.D

Acq: 18 Nov 2015 20:48

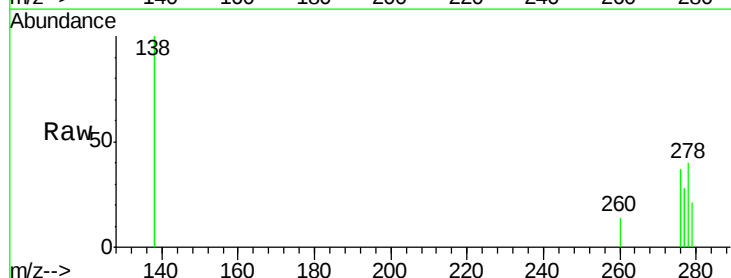
Tgt Ion:278 Resp: 547

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

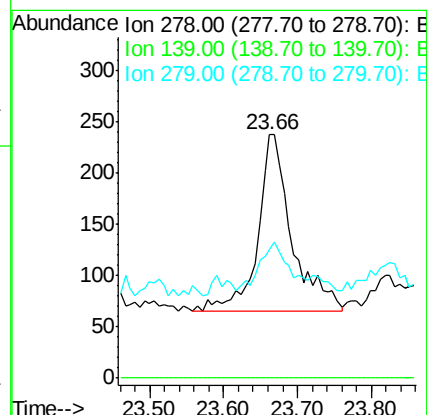
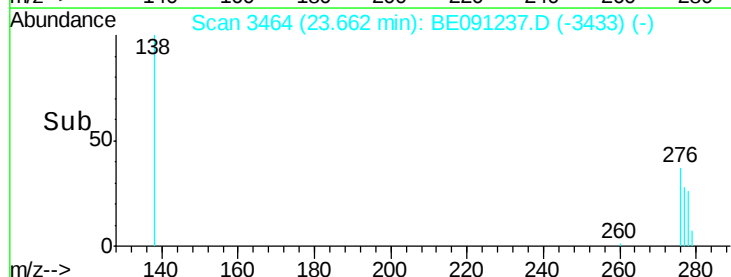
279 52.5 21.9 32.9#

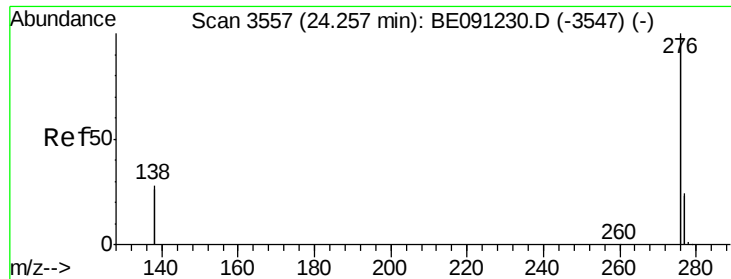


Abundance Ion 278.00 (277.70 to 278.70): E

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# 3557

Delta R.T. 0.01 min

Lab File: BE091237.D

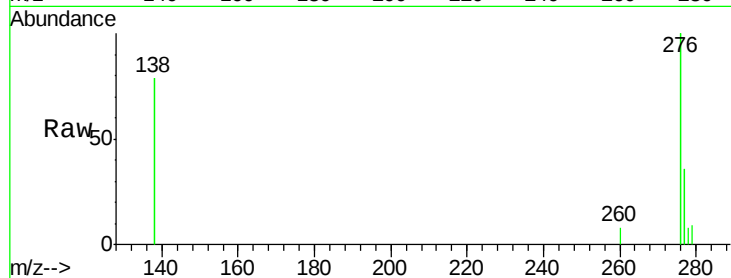
Acq: 18 Nov 2015 20:48

Instrument :

BNA_E

ClientSampleId :

D9KL6



Tgt Ion: 276 Resp: 4281

Ion Ratio Lower Upper

276 100

277 36.3 21.3 31.9#

138 78.5 25.5 38.3#

