

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091222.D
 Acq On : 18 Nov 2015 11:39
 Operator : UM/NP
 Sample : G4309-25
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KN5

Quant Time: Nov 19 04:27:38 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	4028	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.55	136	20071	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	10522	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.17	188	1585664	0.40	ng/ul	0.08
18) Chrysene-d12	20.23	240	48386	0.40	ng/ul	0.00
22) Perylene-d12	21.99	264	2097530	0.40	ng/ul	-0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.97	96	22113	7.63	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	11.07	152	6337	0.23	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	18419	0.00	ng/ul	0.00

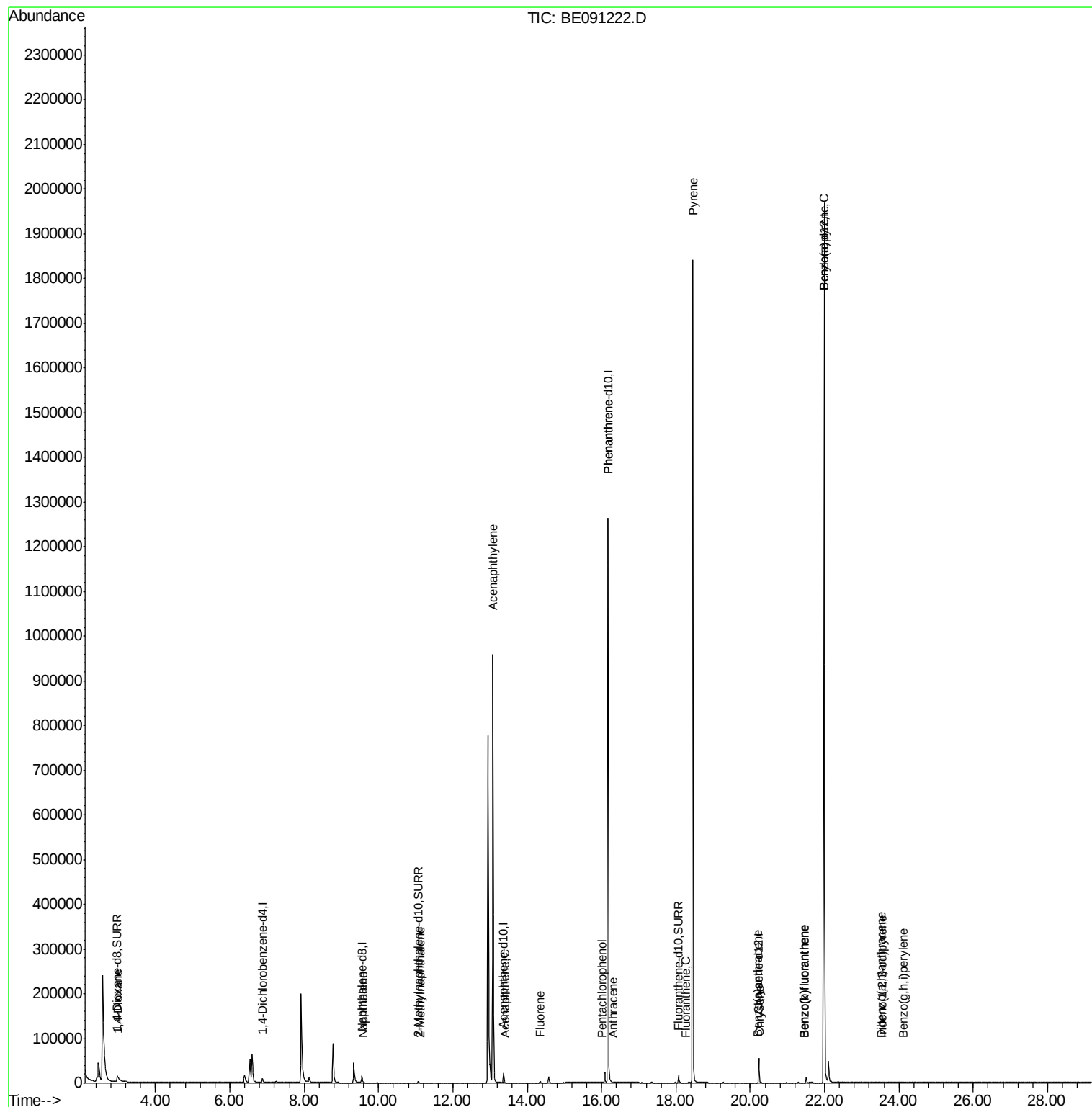
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.00	88	232	0.07	ng/ul#	24
5) Naphthalene	9.60	128	512	0.01	ng/ul#	40
7) 2-Methylnaphthalene	11.14	142	38	0.00	ng/ul#	42
9) Acenaphthylene	13.07	152	165	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	65	0.00	ng/ul#	63
11) Fluorene	14.35	166	2780	0.06	ng/ul#	9
13) Pentachlorophenol	16.00	266	16	0.00	ng/ul#	16
14) Phenanthrene	16.17	178	3552	0.00	ng/ul#	1
15) Anthracene	16.32	178	121	0.00	ng/ul#	1
17) Fluoranthene	18.28	202	92	0.00	ng/ul#	1
19) Pyrene	18.45	202	13372	0.02	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	50	0.00	ng/ul#	11
21) Chrysene	20.26	228	142	0.00	ng/ul#	20
23) Benzo(b)fluoranthene	21.44	252	18	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.46	252	28	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	7912	0.00	ng/ul#	61
26) Indeno(1,2,3-cd)pyrene	23.56	276	19	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	23.53	278	16	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.11	276	31	0.00	ng/ul#	1

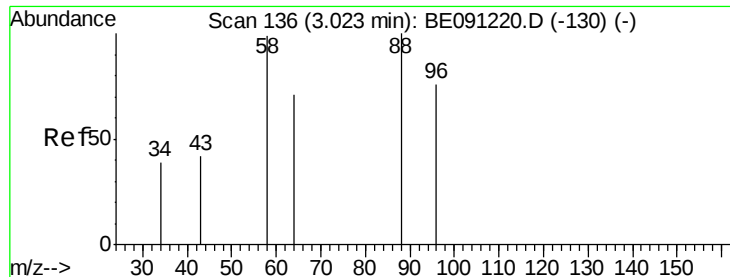
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.07 ng/ul

RT: 3.00 min Scan# 133

Delta R.T. -0.02 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

Instrument :

BNA_E

ClientSampleId :

D9KN5

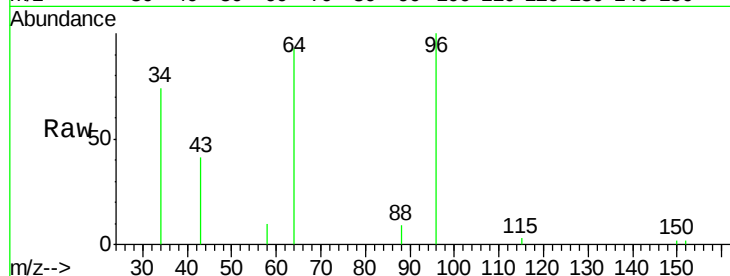
Tgt Ion: 88 Resp: 232

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

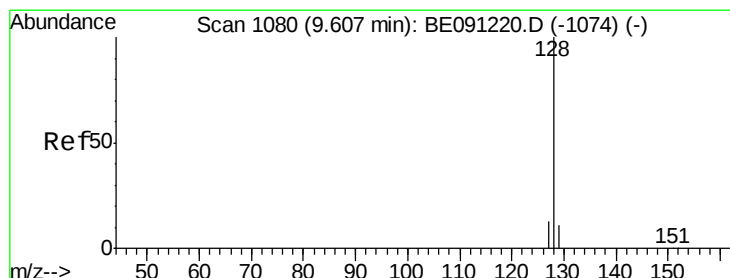
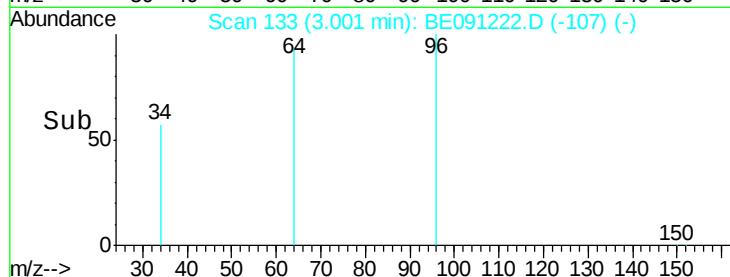
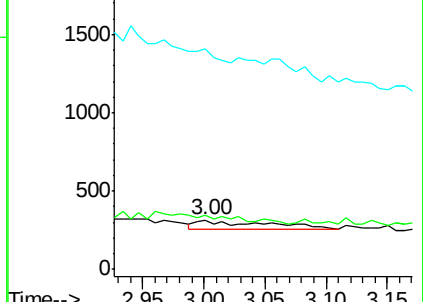
43 0.0 24.2 36.2#



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: 0.01 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

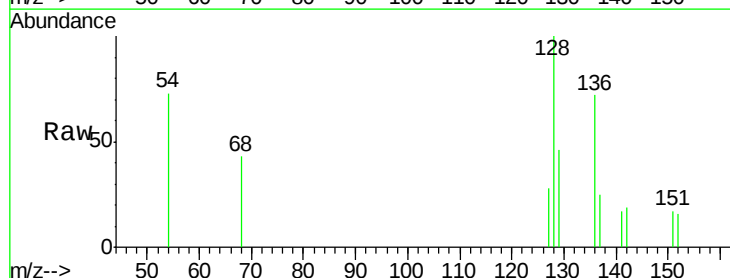
Tgt Ion: 128 Resp: 512

Ion Ratio Lower Upper

128 100

129 46.4 9.8 14.8#

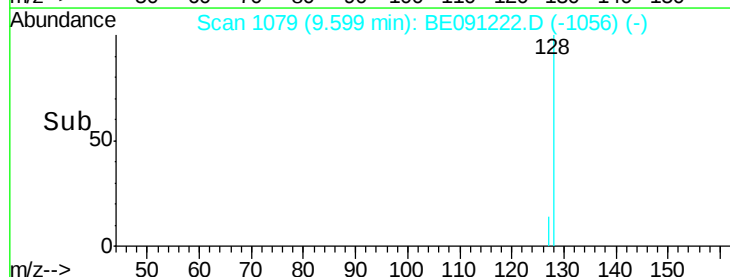
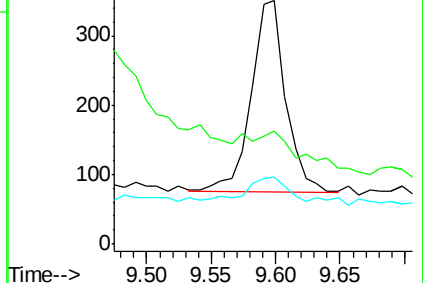
127 27.6 10.7 16.1#

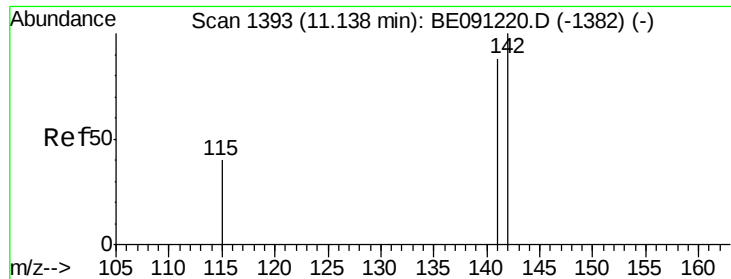


Abundance Ion 128.00 (127.70 to 128.70): E

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: 11.14 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

Instrument :

BNA_E

ClientSampleId :

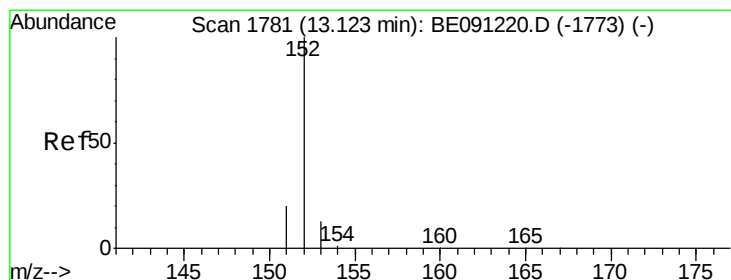
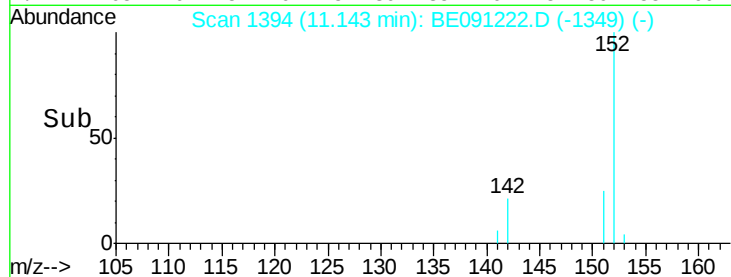
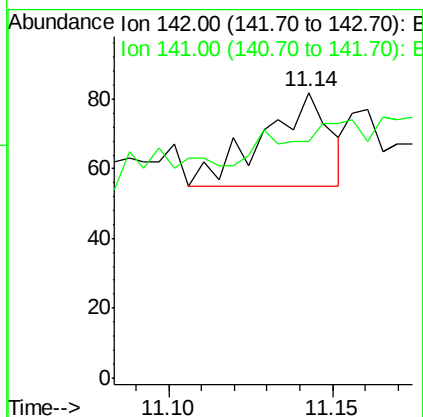
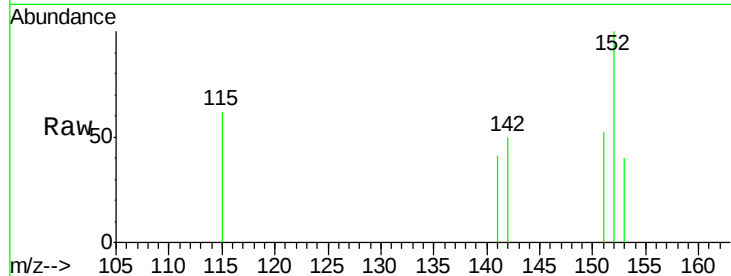
D9KN5

Tgt Ion:142 Resp: 38

Ion Ratio Lower Upper

142 100

141 34.2 70.3 105.5#



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.07 min Scan# 1774

Delta R.T. -0.05 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

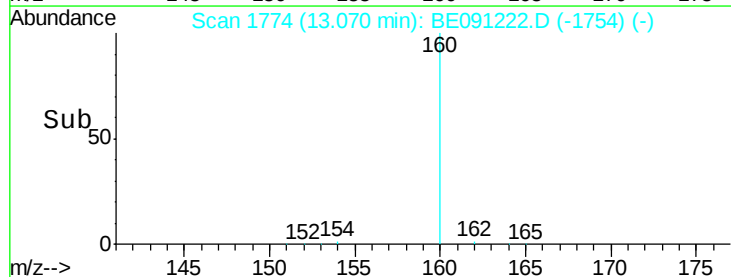
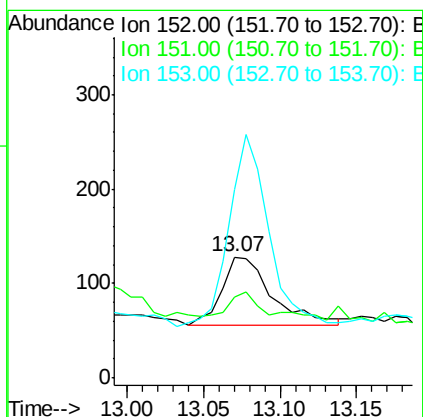
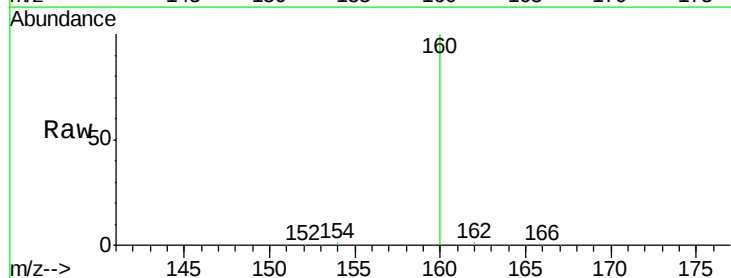
Tgt Ion:152 Resp: 165

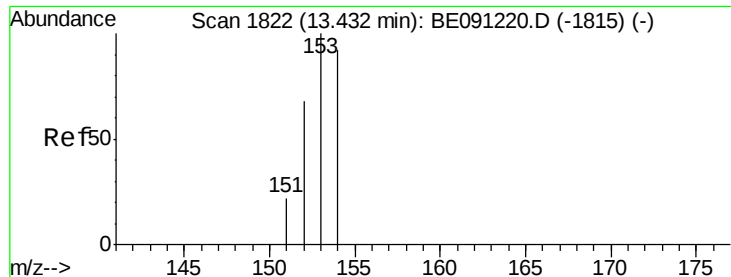
Ion Ratio Lower Upper

152 100

151 67.2 16.8 25.2#

153 156.3 11.3 16.9#





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

Instrument :

BNA_E

ClientSampleId :

D9KN5

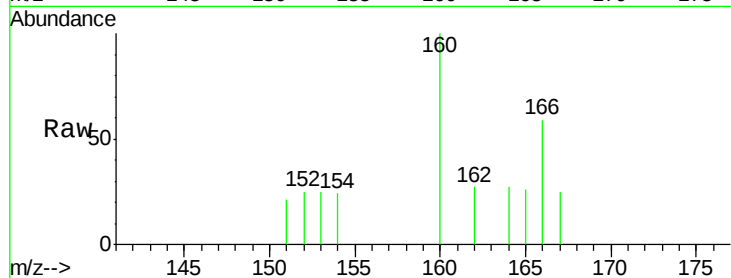
Tgt Ion:153 Resp: 65

Ion Ratio Lower Upper

153 100

152 98.7 42.3 63.5#

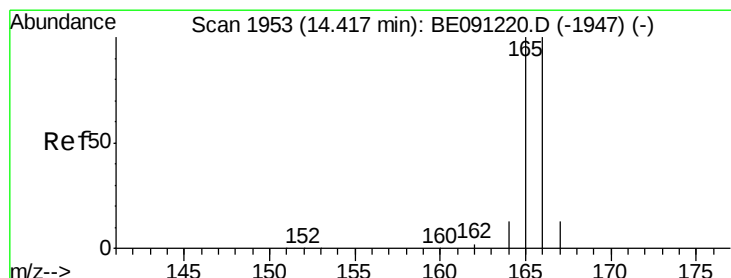
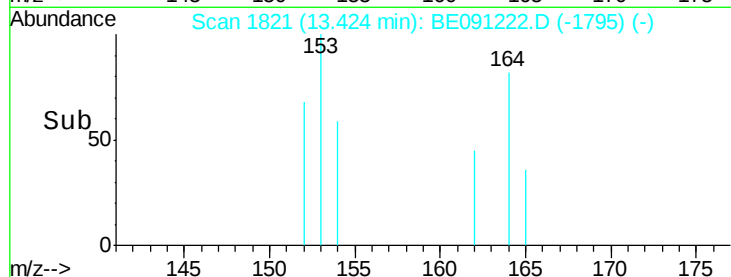
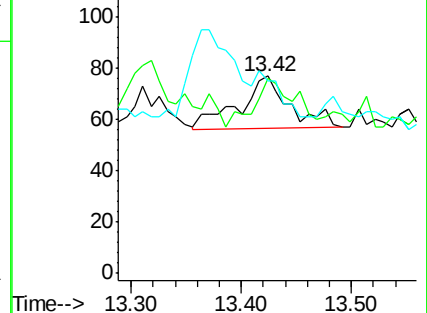
154 97.4 64.7 97.1#



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: 0.06 ng/ul

RT: 14.35 min Scan# 1944

Delta R.T. -0.07 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

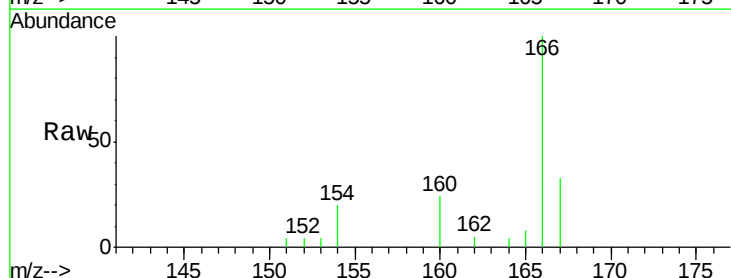
Tgt Ion:166 Resp: 2780

Ion Ratio Lower Upper

166 100

165 7.5 87.6 131.4#

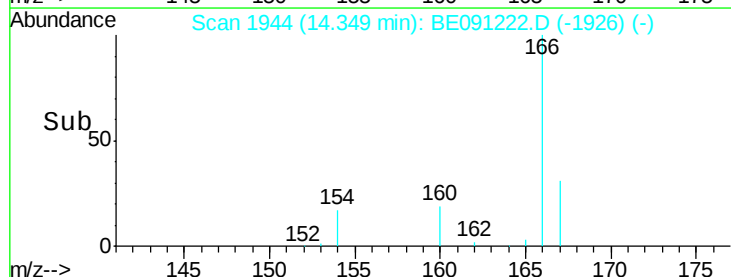
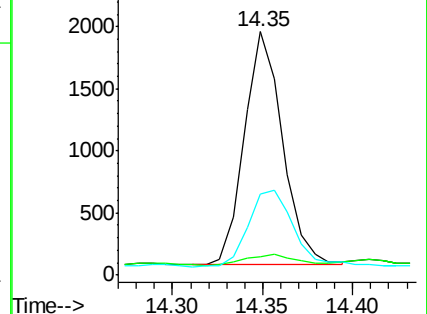
167 33.3 11.1 16.7#

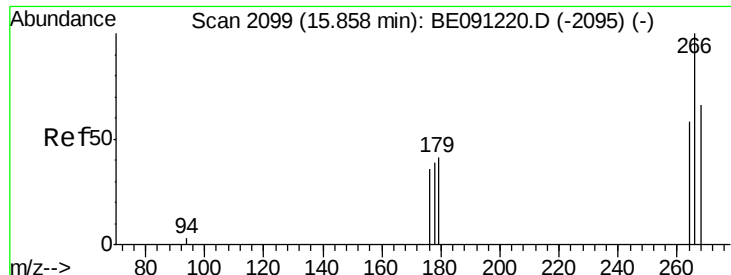


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

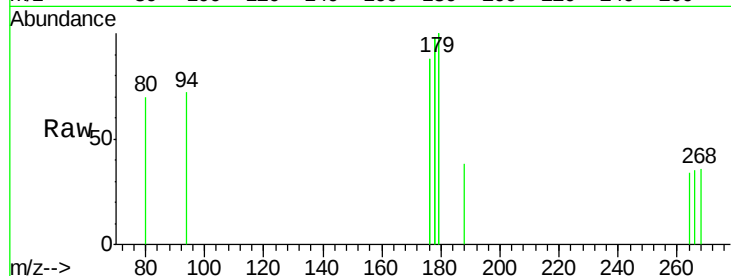




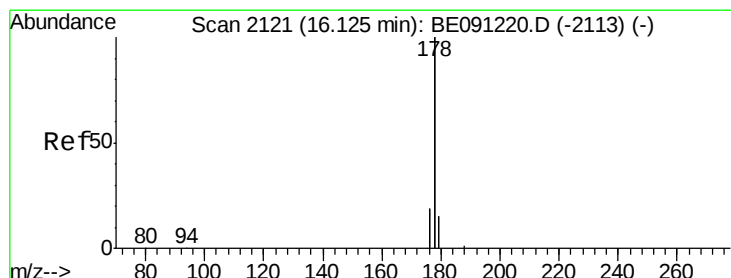
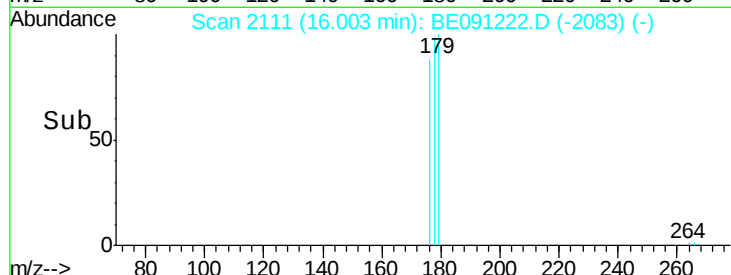
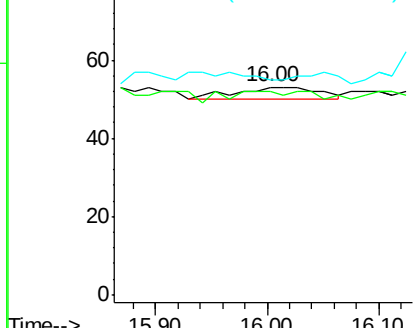
#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.00 min Scan# 2111
 Delta R.T. 0.14 min
 Lab File: BE091222.D
 Acq: 18 Nov 2015 11:39

Instrument :
 BNA_E
 ClientSampleId :
 D9KN5

Tgt Ion: 266 Resp: 16
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 0.0 54.2 81.2#

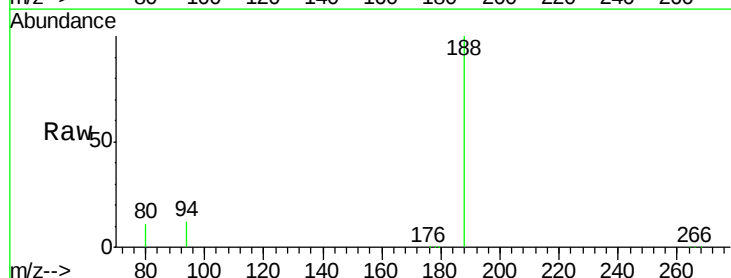


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

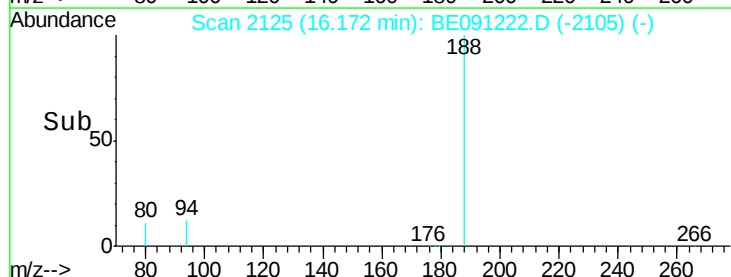
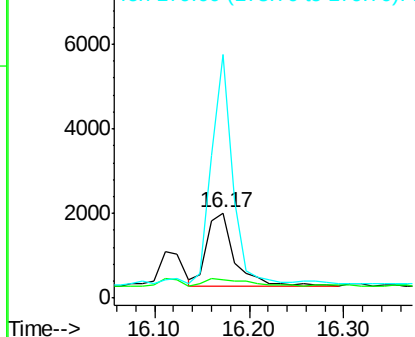


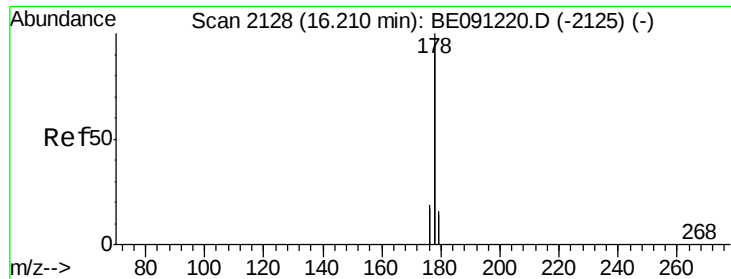
#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.17 min Scan# 2125
 Delta R.T. 0.05 min
 Lab File: BE091222.D
 Acq: 18 Nov 2015 11:39

Tgt Ion: 178 Resp: 3552
 Ion Ratio Lower Upper
 178 100
 176 21.0 16.2 24.4
 179 286.0 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: 0.00 ng/ul

RT: 16.32 min Scan# 2137

Delta R.T. 0.11 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

Instrument :

BNA_E

ClientSampleId :

D9KN5

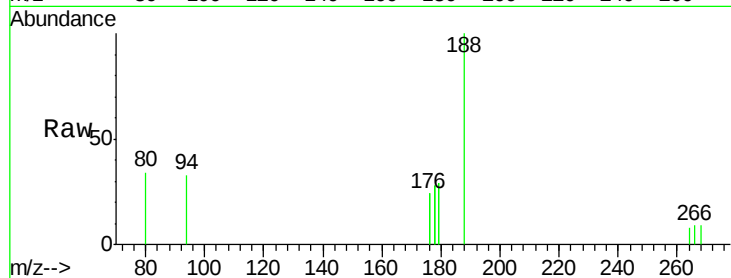
Tgt Ion:178 Resp: 121

Ion Ratio Lower Upper

178 100

176 86.9 15.8 23.8#

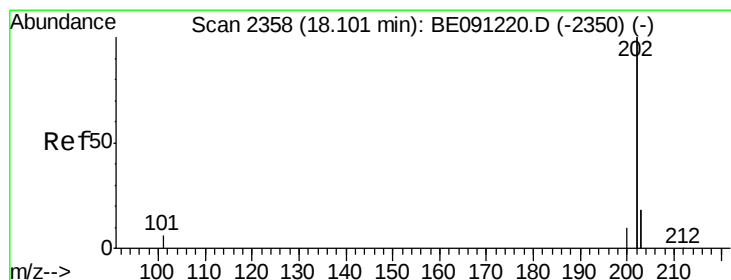
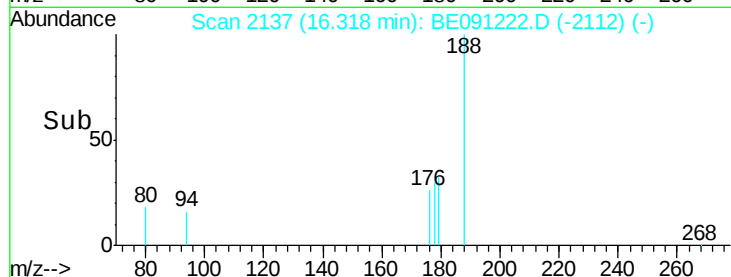
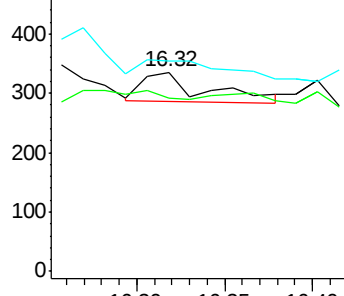
179 105.4 13.3 19.9#



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: 18.28 min Scan# 2385

Delta R.T. 0.18 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

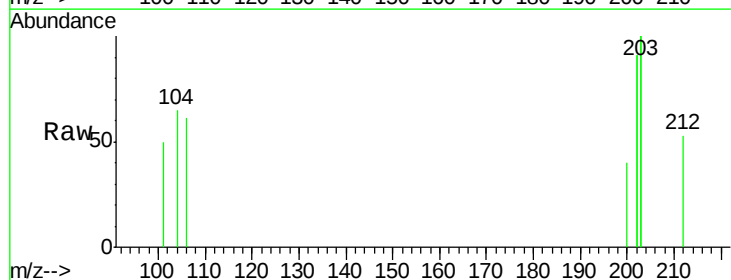
Tgt Ion:202 Resp: 92

Ion Ratio Lower Upper

202 100

101 27.3 0.0 33.1

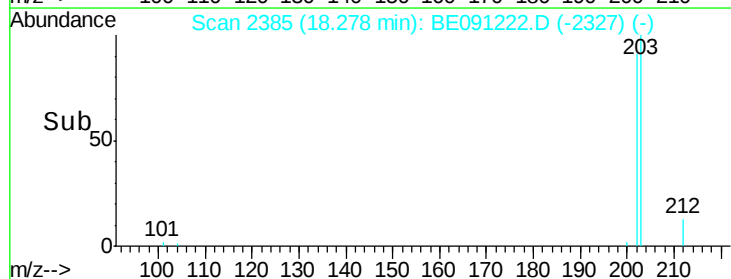
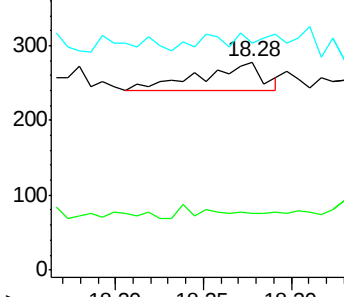
203 109.4 0.0 37.2#

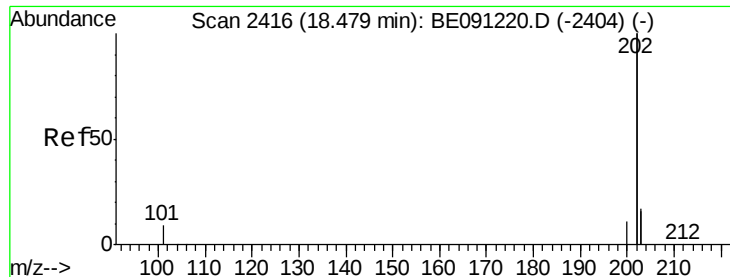


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.02 ng/ul

RT: 18.45 min Scan# 2412

Delta R.T. -0.03 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

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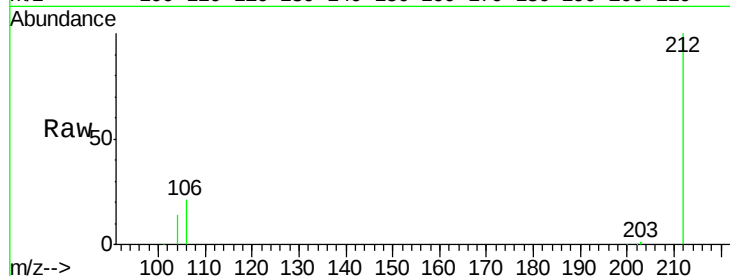
Tgt Ion:202 Resp: 13372

Ion Ratio Lower Upper

202 100

200 1.6 18.0 27.0#

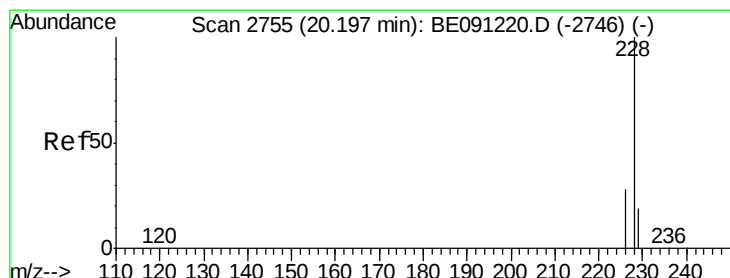
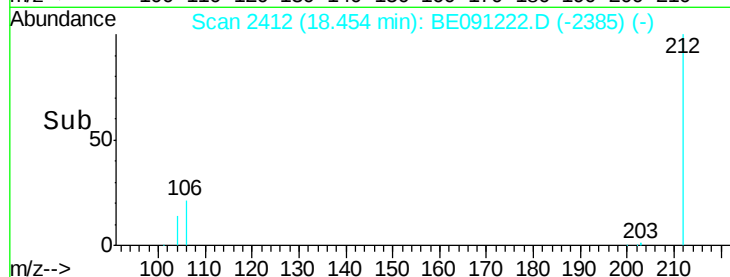
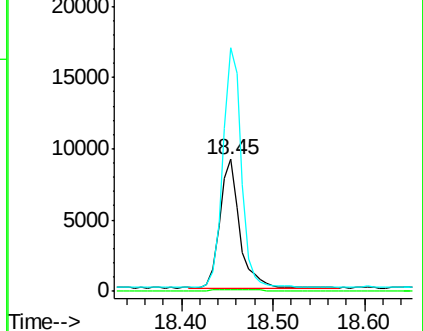
203 184.9 13.8 20.6#



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: 0.00 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. 0.01 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

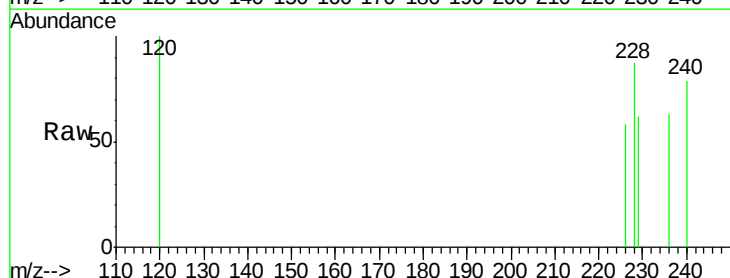
Tgt Ion:228 Resp: 50

Ion Ratio Lower Upper

228 100

226 66.3 23.0 34.4#

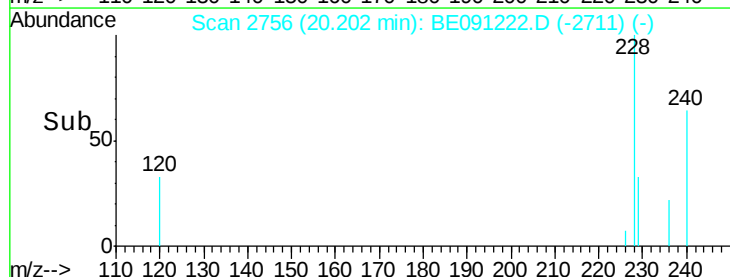
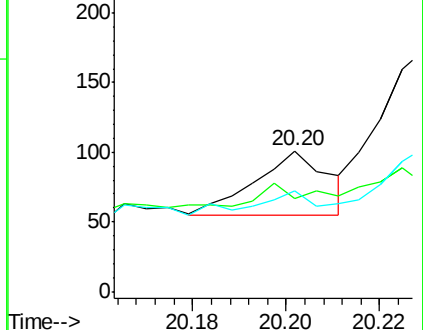
229 71.3 15.2 22.8#

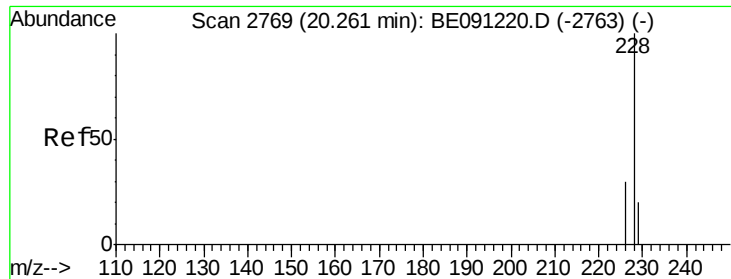


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.00 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

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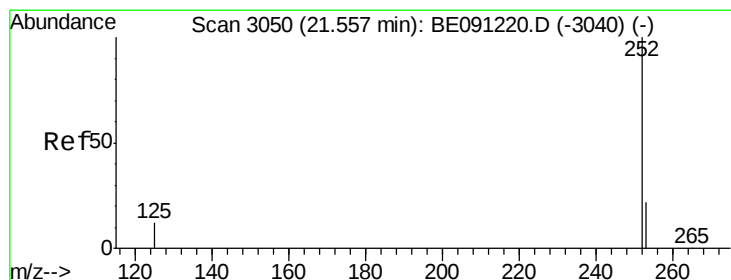
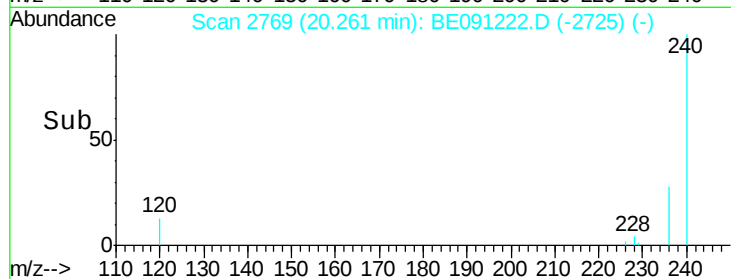
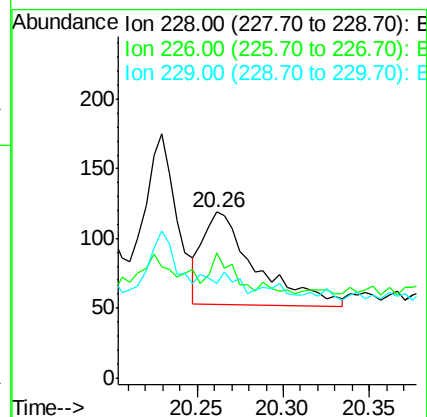
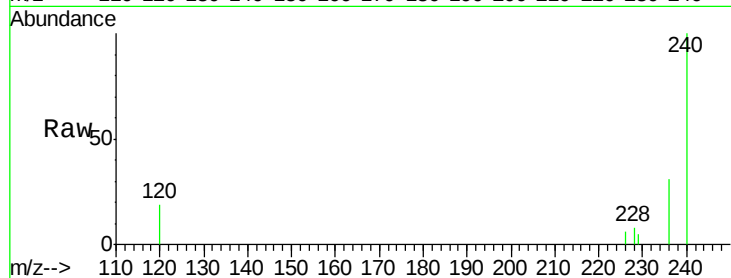
Tgt Ion:228 Resp: 142

Ion Ratio Lower Upper

228 100

226 75.6 25.7 38.5#

229 57.1 15.2 22.8#



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.44 min Scan# 3025

Delta R.T. -0.11 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

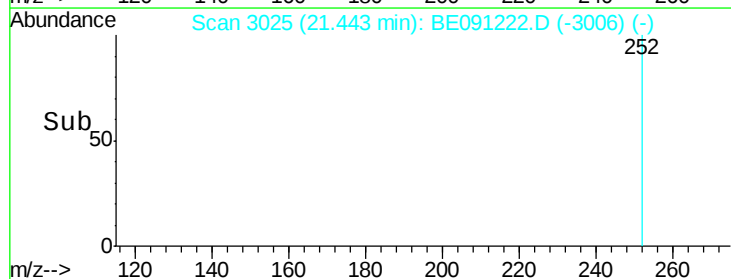
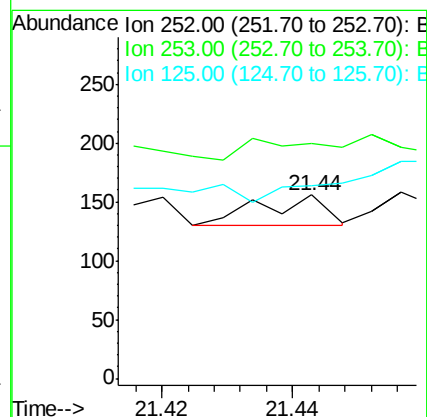
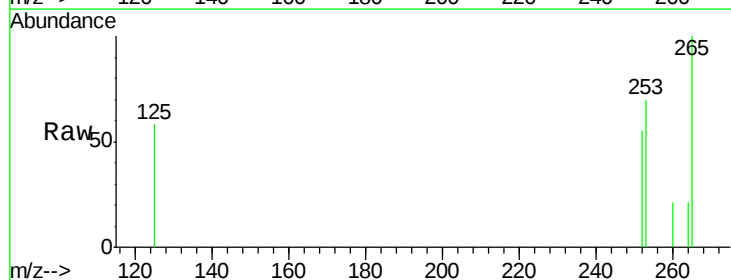
Tgt Ion:252 Resp: 18

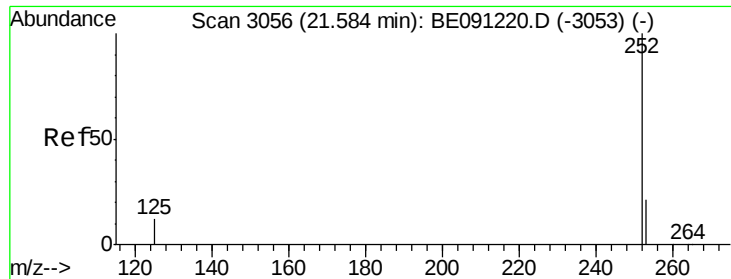
Ion Ratio Lower Upper

252 100

253 128.2 0.0 48.0#

125 105.1 0.0 36.6#





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 21.46 min Scan# 3028

Delta R.T. -0.13 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

Instrument :

BNA_E

ClientSampleId :

D9KN5

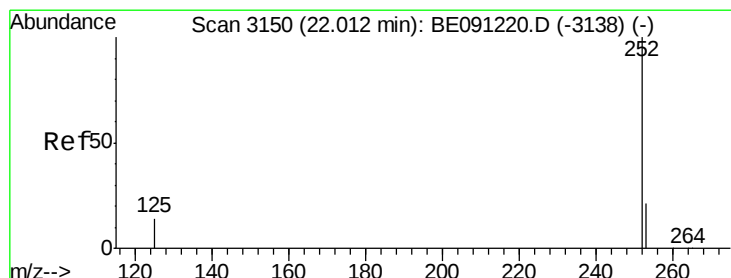
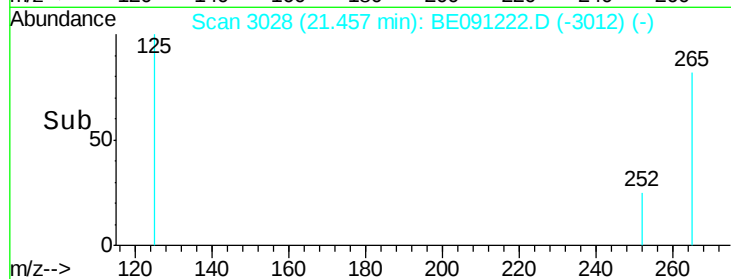
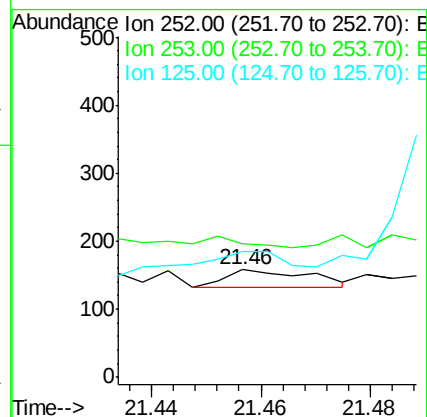
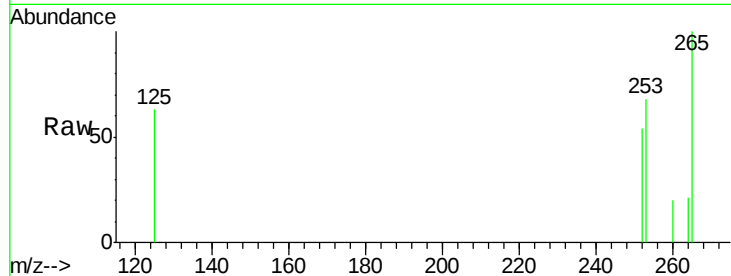
Tgt Ion:252 Resp: 28

Ion Ratio Lower Upper

252 100

253 124.1 20.8 31.2#

125 116.5 12.2 18.4#



#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 21.98 min Scan# 3144

Delta R.T. -0.03 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

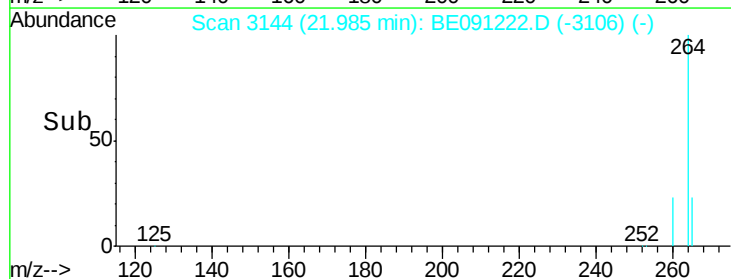
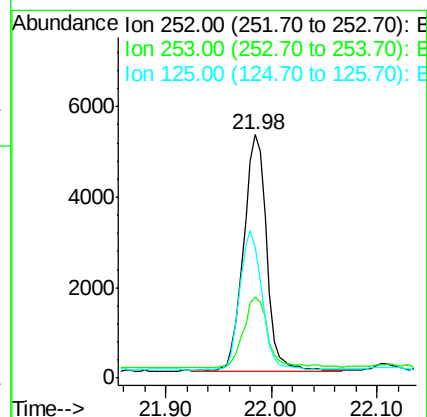
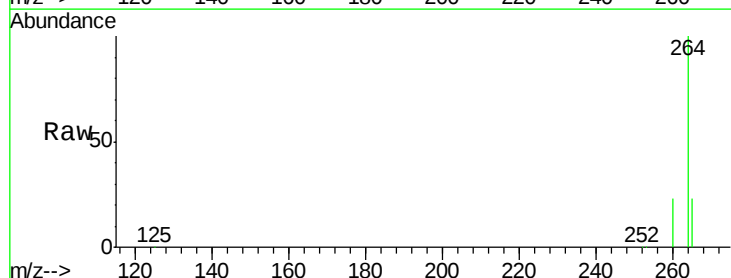
Tgt Ion:252 Resp: 7912

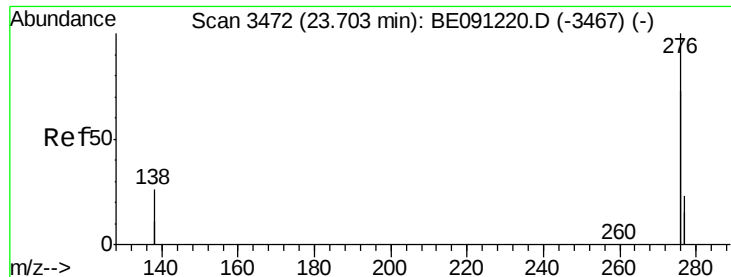
Ion Ratio Lower Upper

252 100

253 33.1 21.8 32.8#

125 54.0 14.5 21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 23.56 min Scan# 3450

Delta R.T. -0.14 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

Instrument :

BNA_E

ClientSampleId :

D9KN5

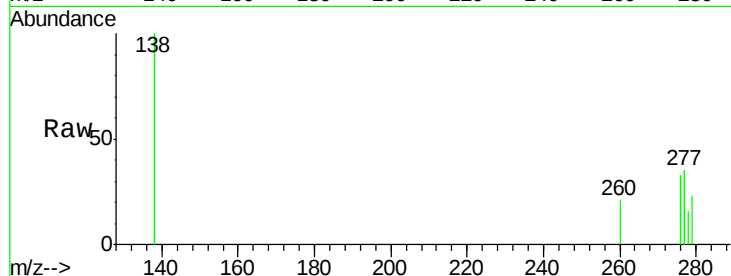
Tgt Ion:276 Resp: 19

Ion Ratio Lower Upper

276 100

138 773.7 27.5 41.3#

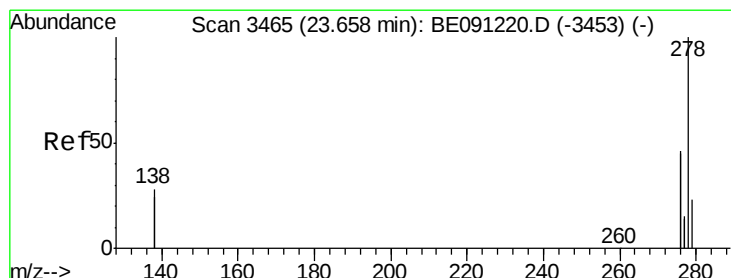
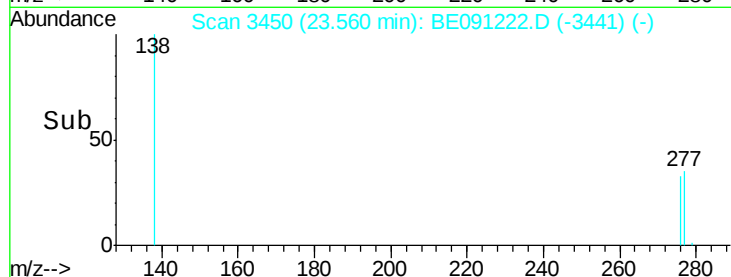
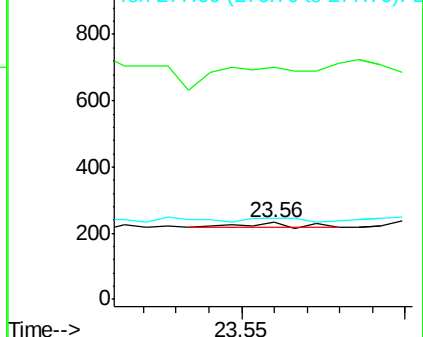
277 84.2 19.3 28.9#



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: 23.53 min Scan# 3445

Delta R.T. -0.13 min

Lab File: BE091222.D

Acq: 18 Nov 2015 11:39

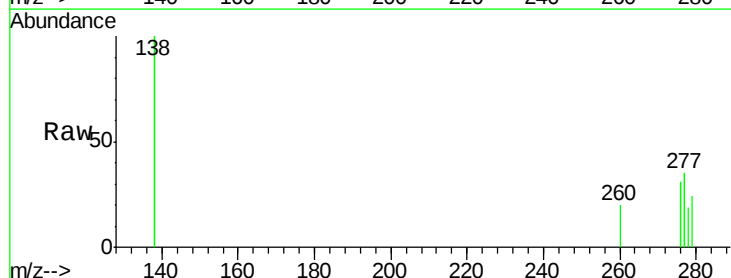
Tgt Ion:278 Resp: 16

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

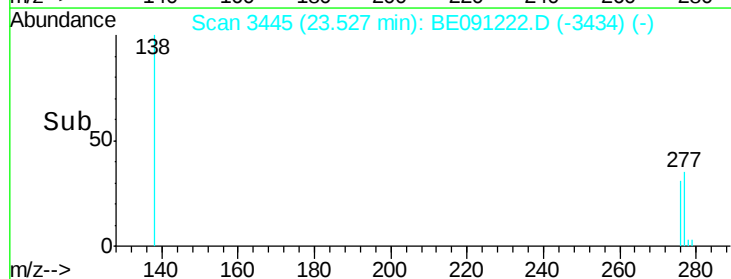
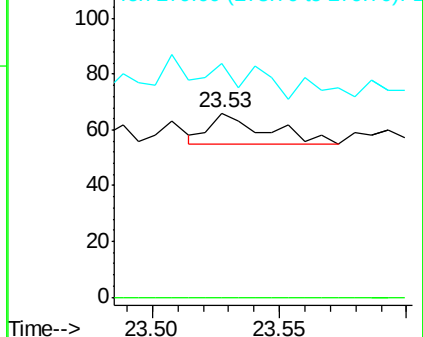
279 127.3 21.9 32.9#

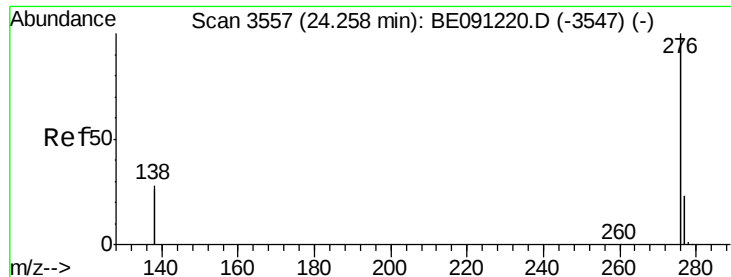


Abundance Ion 278.00 (277.70 to 278.70): E

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: 24.11 min Scan# 3534

Delta R.T. -0.15 min

Lab File: BE091222.D

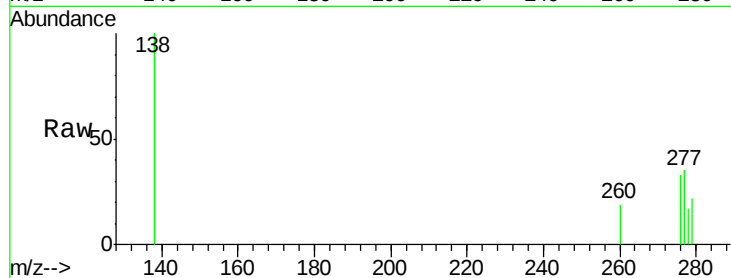
Acq: 18 Nov 2015 11:39

Instrument :

BNA_E

ClientSampleId :

D9KN5



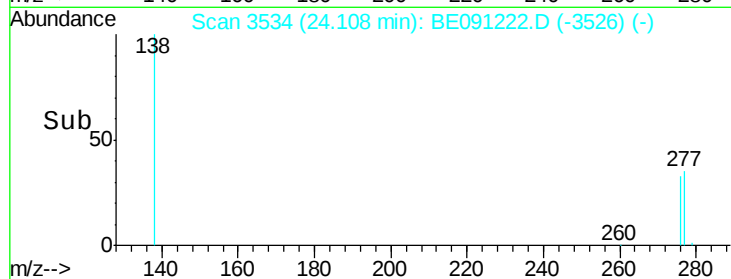
Tgt Ion: 276 Resp: 31

Ion Ratio Lower Upper

276 100

277 107.8 21.3 31.9#

138 305.2 25.5 38.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

