

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091236.D
 Acq On : 18 Nov 2015 20:09
 Operator : UM/NP
 Sample : G4309-20RE
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KL4

Quant Time: Nov 19 06:05:20 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 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	2661	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	13375	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	6923	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.17	188	1498774	0.40	ng/ul	0.08
18) Chrysene-d12	20.23	240	20645	0.40	ng/ul	0.00
22) Perylene-d12	21.99	264	1921313	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	21236	11.09	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	5917	0.32	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	19768	0.00	ng/ul	0.00

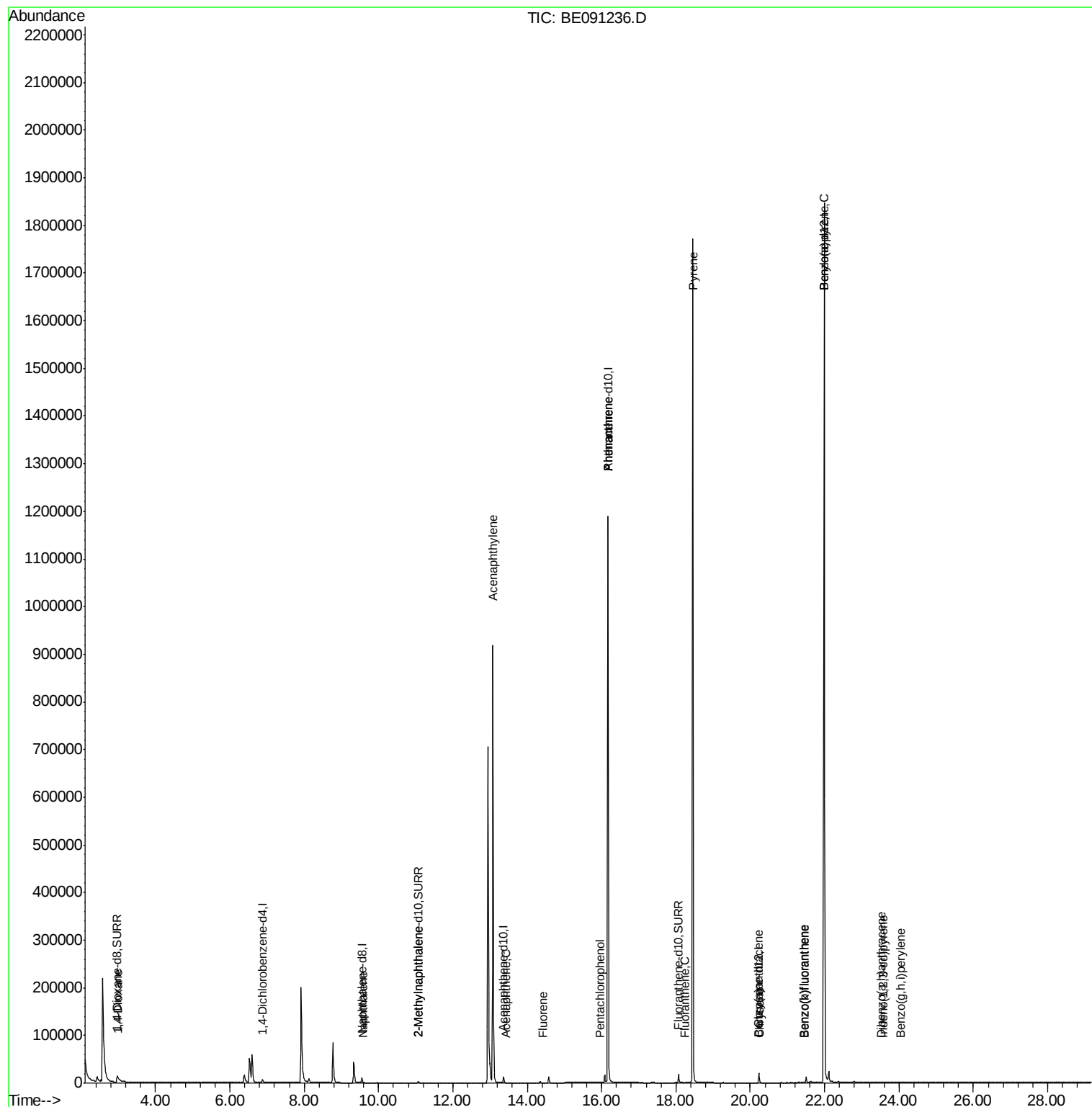
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.00	88	120	0.06	ng/ul#	24
5) Naphthalene	9.59	128	1235	0.04	ng/ul#	73
7) 2-Methylnaphthalene	11.06	142	18	0.00	ng/ul	89
9) Acenaphthylene	13.08	152	162	0.00	ng/ul#	1
10) Acenaphthene	13.43	153	40	0.00	ng/ul#	71
11) Fluorene	14.42	166	114	0.00	ng/ul#	87
13) Pentachlorophenol	15.97	266	9	0.00	ng/ul#	44
14) Phenanthrene	16.17	178	3870	0.00	ng/ul#	1
15) Anthracene	16.17	178	3845	0.00	ng/ul#	1
17) Fluoranthene	18.26	202	92	0.00	ng/ul#	1
19) Pyrene	18.45	202	13474	0.06	ng/ul#	1
20) Benzo(a)anthracene	20.21	228	135	0.00	ng/ul#	19
21) Chrysene	20.27	228	319	0.01	ng/ul#	59
23) Benzo(b)fluoranthene	21.44	252	19	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.46	252	12	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.99	252	7338	0.00	ng/ul#	58
26) Indeno(1,2,3-cd)pyrene	23.57	276	34	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	23.52	278	19	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.04	276	26	0.00	ng/ul#	1

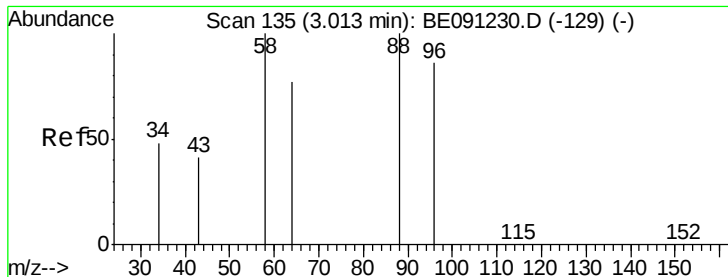
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.06 ng/ul

RT: 3.00 min Scan# 133

Delta R.T. -0.01 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

Instrument :

BNA_E

ClientSampleId :

D9KL4

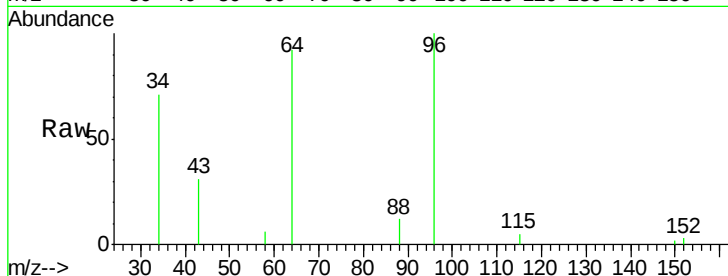
Tgt Ion: 88 Resp: 120

Ion Ratio Lower Upper

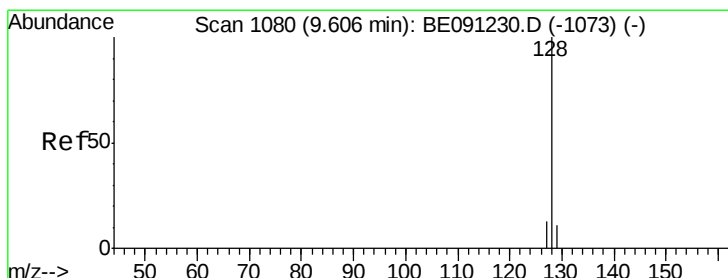
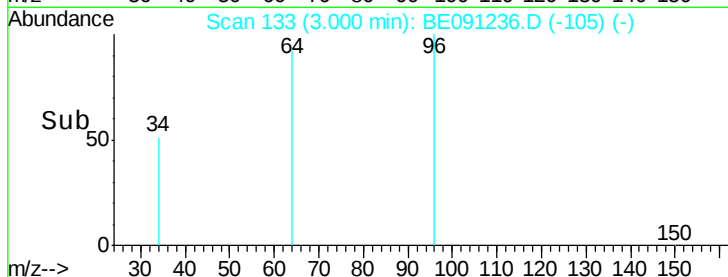
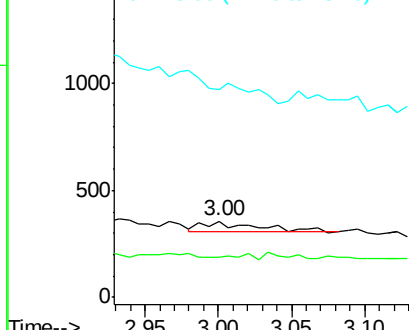
88 100

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: 0.04 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

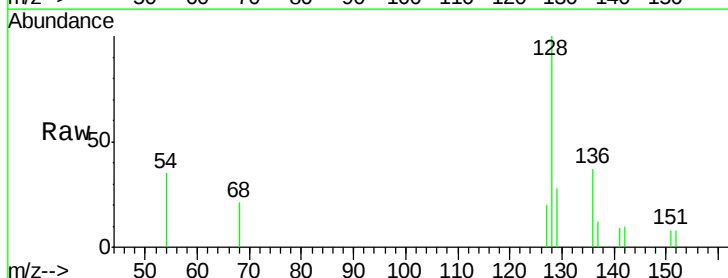
Tgt Ion: 128 Resp: 1235

Ion Ratio Lower Upper

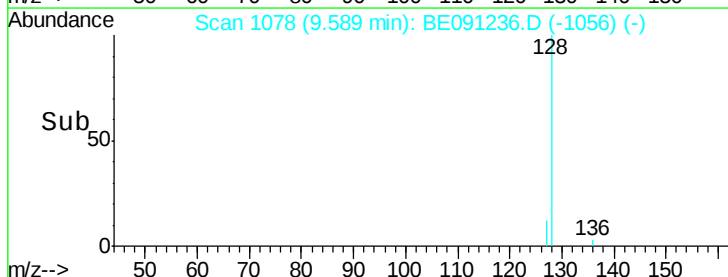
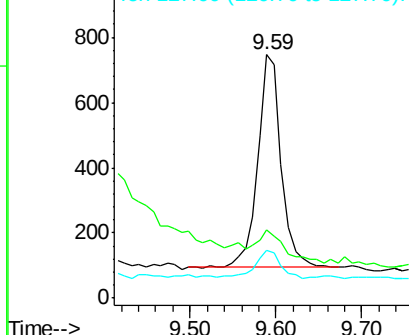
128 100

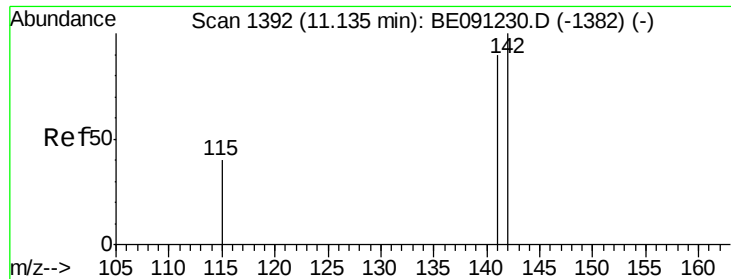
129 27.8 9.8 14.8#

127 19.8 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: 11.06 min Scan# 1375

Delta R.T. -0.08 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

Instrument :

BNA_E

ClientSampleId :

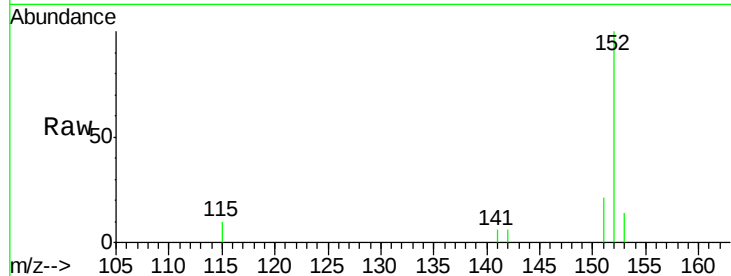
D9KL4

Tgt Ion:142 Resp: 18

Ion Ratio Lower Upper

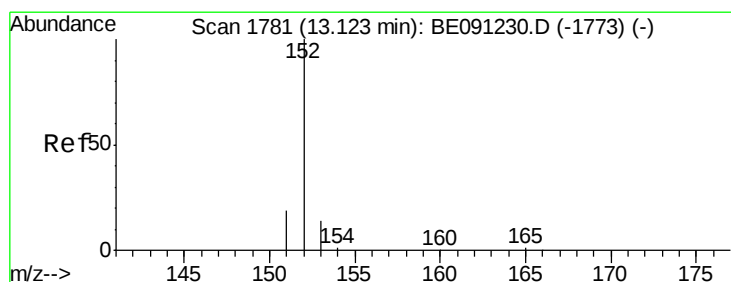
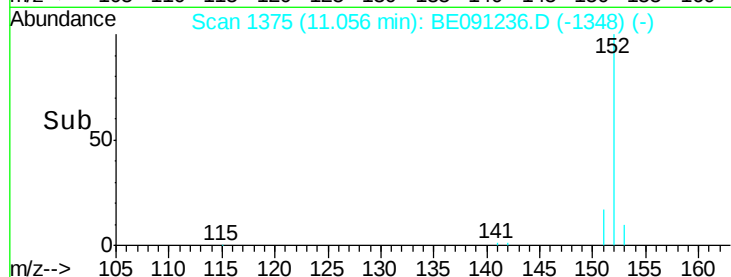
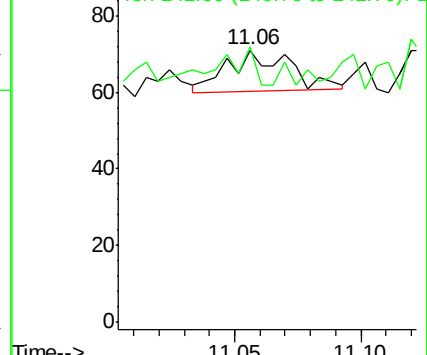
142 100

141 77.8 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: 0.00 ng/ul

RT: 13.08 min Scan# 1775

Delta R.T. -0.05 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

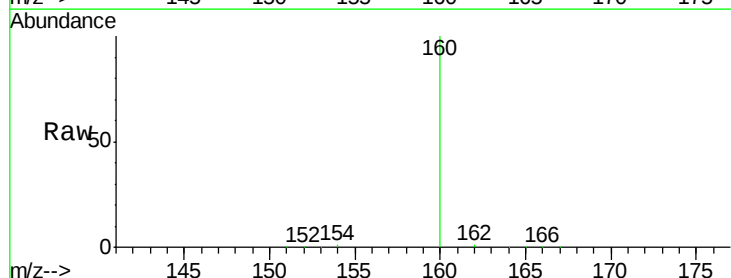
Tgt Ion:152 Resp: 162

Ion Ratio Lower Upper

152 100

151 59.6 16.8 25.2#

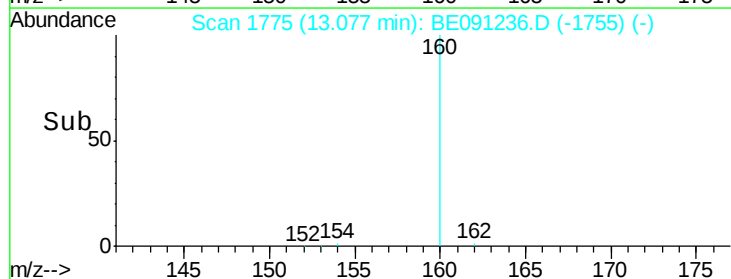
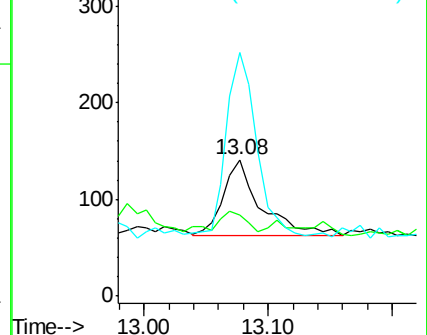
153 178.7 11.3 16.9#

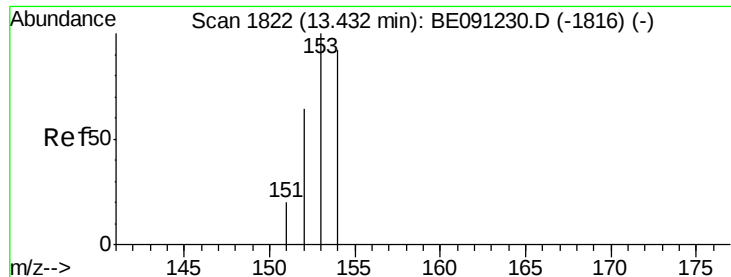


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

Instrument :

BNA_E

ClientSampleId :

D9KL4

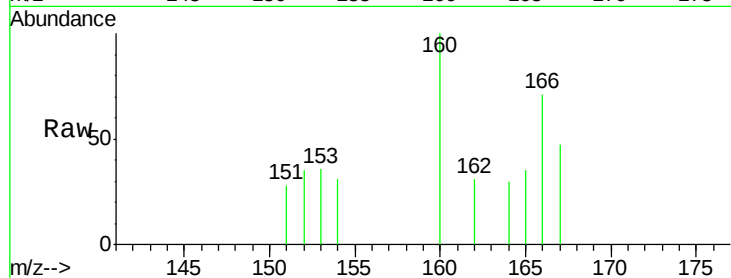
Tgt Ion:153 Resp: 40

Ion Ratio Lower Upper

153 100

152 98.9 42.3 63.5#

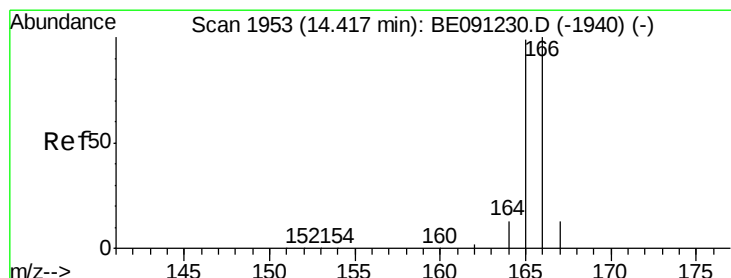
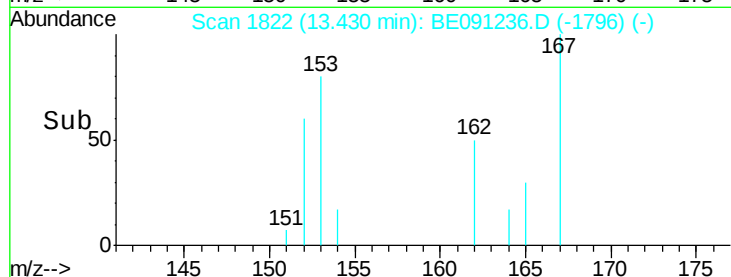
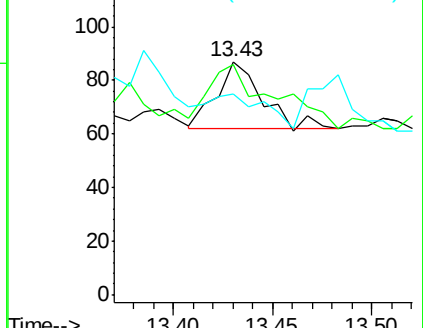
154 86.2 64.7 97.1



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: 0.00 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

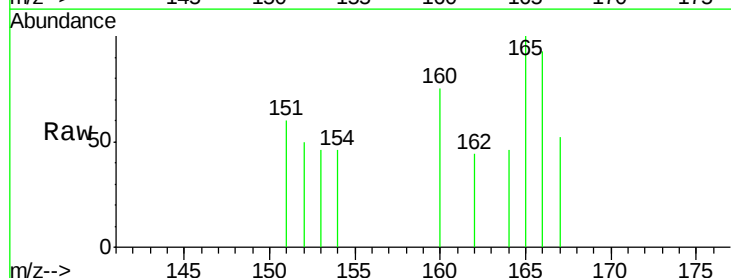
Tgt Ion:166 Resp: 114

Ion Ratio Lower Upper

166 100

165 107.9 87.6 131.4

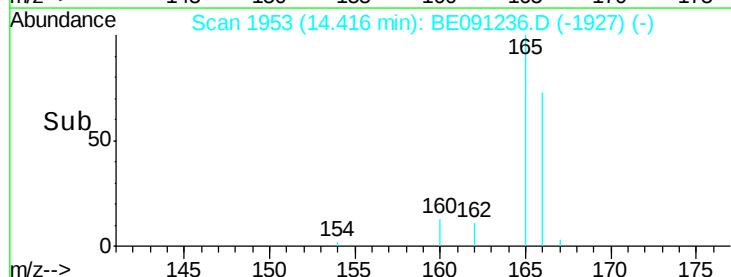
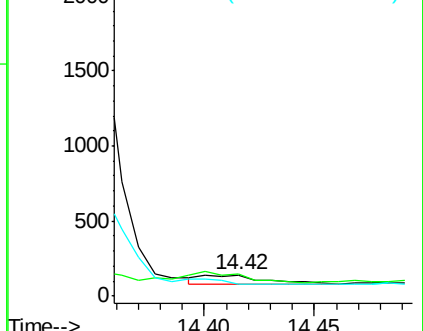
167 56.4 11.1 16.7#

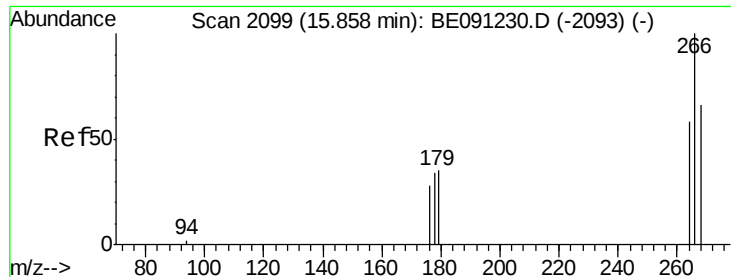


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

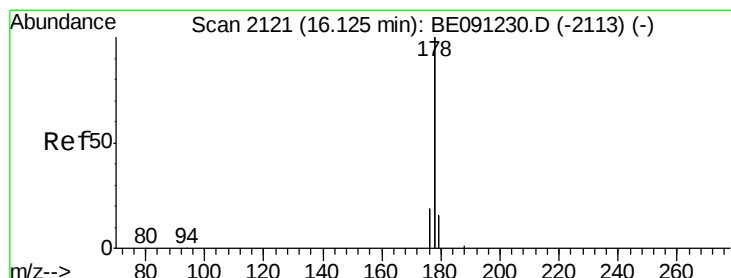
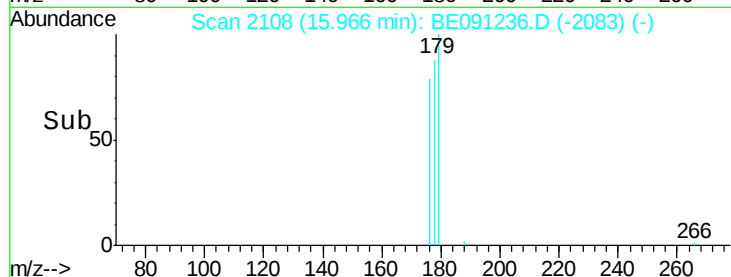
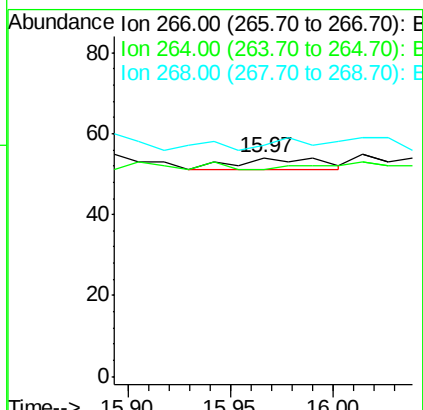
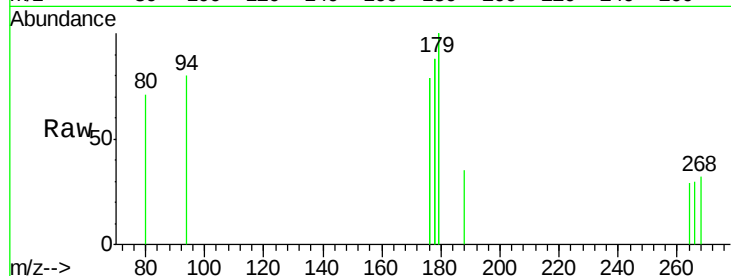




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.97 min Scan# 2108
 Delta R.T. 0.11 min
 Lab File: BE091236.D
 Acq: 18 Nov 2015 20:09

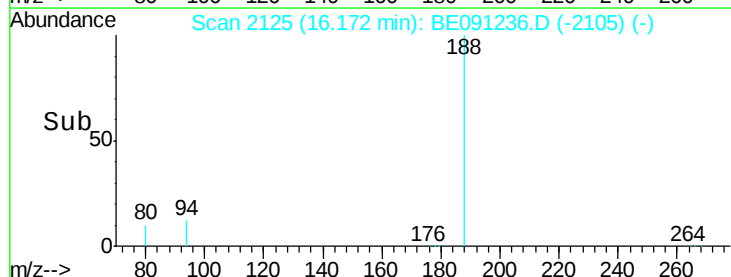
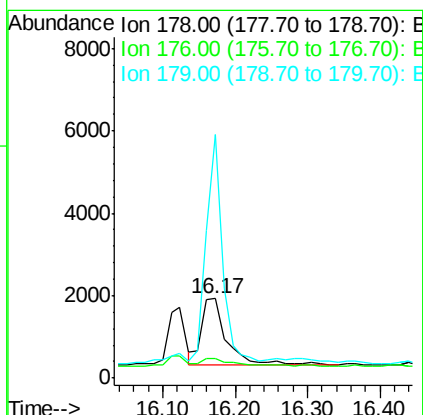
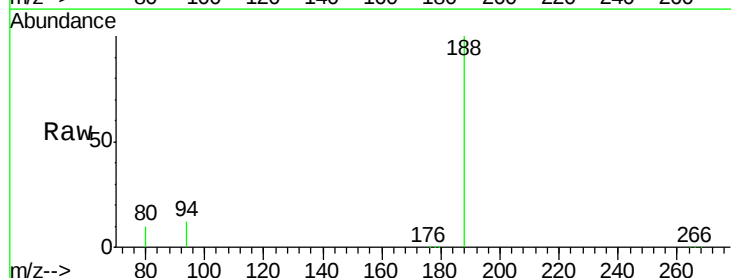
Instrument :
 BNA_E
 ClientSampleId :
 D9KL4

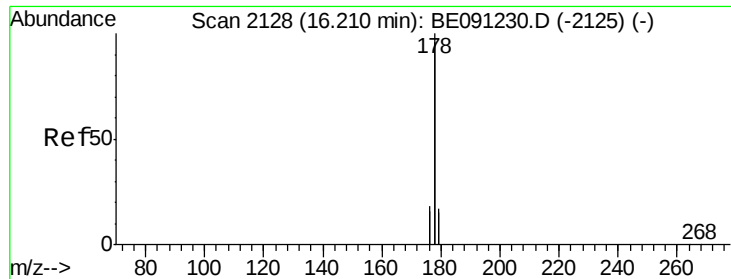
Tgt Ion: 266 Resp: 9
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 44.4 54.2 81.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.17 min Scan# 2125
 Delta R.T. 0.05 min
 Lab File: BE091236.D
 Acq: 18 Nov 2015 20:09

Tgt Ion: 178 Resp: 3870
 Ion Ratio Lower Upper
 178 100
 176 24.1 16.2 24.4
 179 306.1 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: BE091236.D

Acq: 18 Nov 2015 20:09

Instrument :

BNA_E

ClientSampleId :

D9KL4

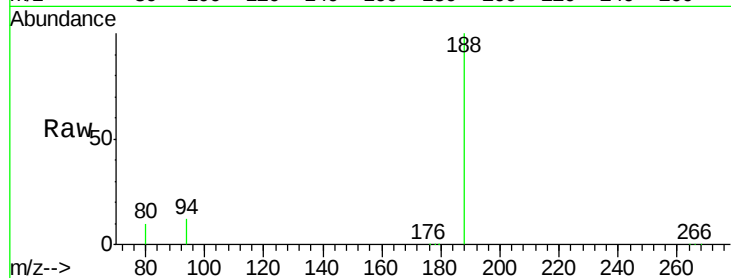
Tgt Ion:178 Resp: 3845

Ion Ratio Lower Upper

178 100

176 24.1 15.8 23.8#

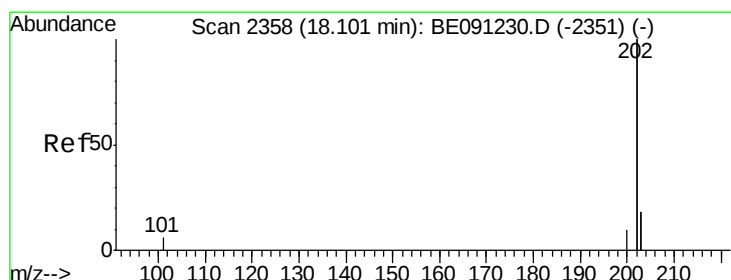
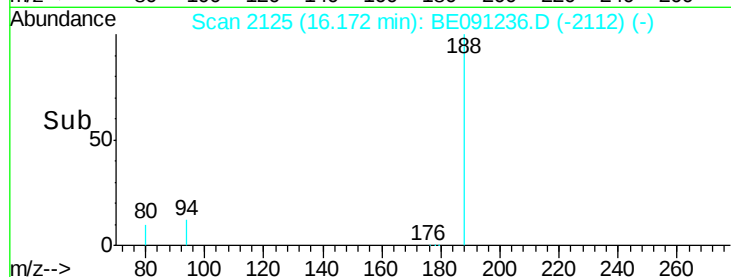
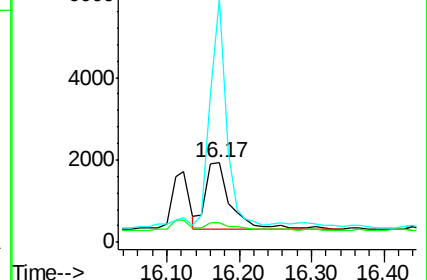
179 306.1 13.3 19.9#



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: 18.26 min Scan# 2382

Delta R.T. 0.16 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

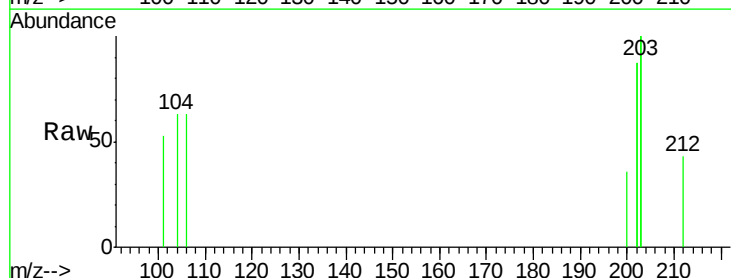
Tgt Ion:202 Resp: 92

Ion Ratio Lower Upper

202 100

101 30.4 0.0 33.1

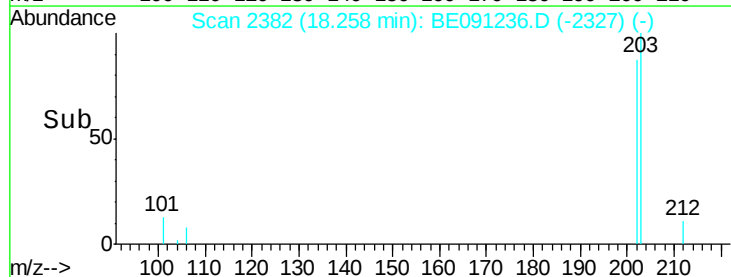
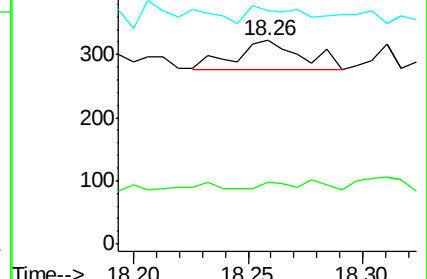
203 114.9 0.0 37.2#

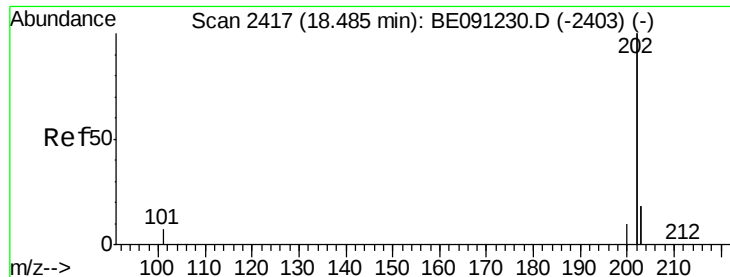


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.06 ng/ul

RT: 18.45 min Scan# 2412

Delta R.T. -0.03 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

Instrument :

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ClientSampleId :

D9KL4

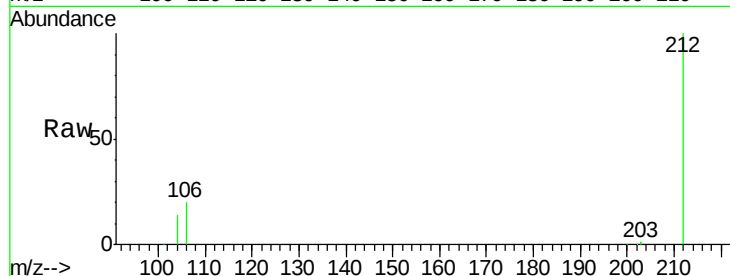
Tgt Ion:202 Resp: 13474

Ion Ratio Lower Upper

202 100

200 1.6 18.0 27.0#

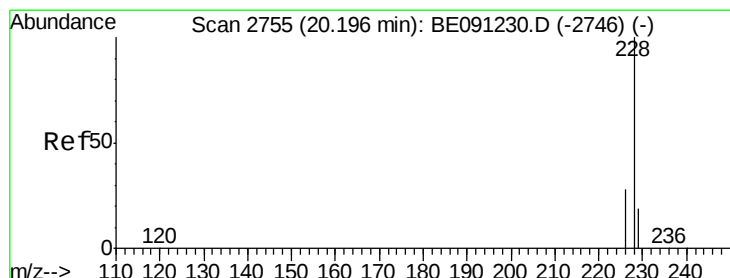
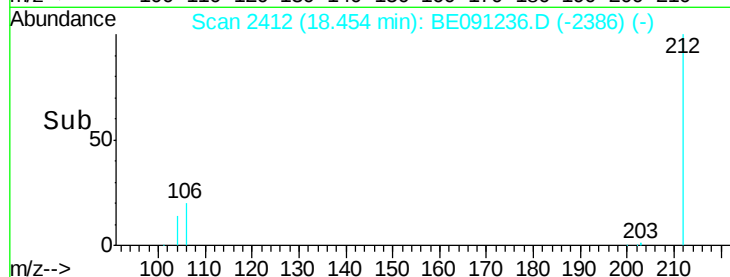
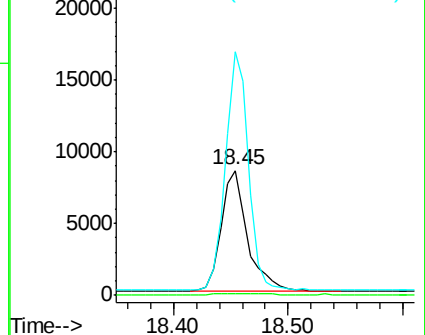
203 194.9 13.8 20.6#



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: 20.21 min Scan# 2757

Delta R.T. 0.01 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

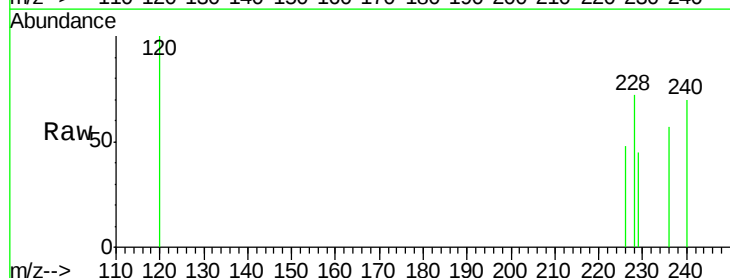
Tgt Ion:228 Resp: 135

Ion Ratio Lower Upper

228 100

226 66.4 23.0 34.4#

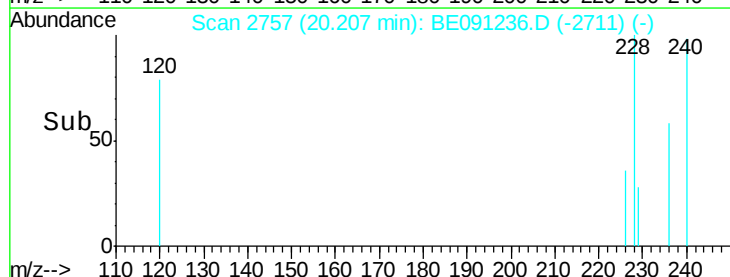
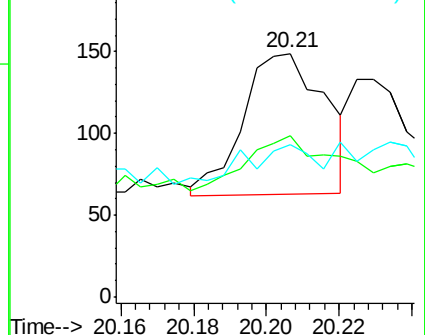
229 62.4 15.2 22.8#

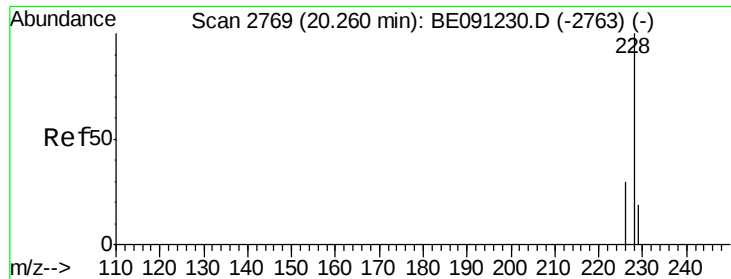


Abundance Ion 228.00 (227.70 to 228.70): E

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: 20.27 min Scan# 2770

Delta R.T. 0.01 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

Instrument :

BNA_E

ClientSampleId :

D9KL4

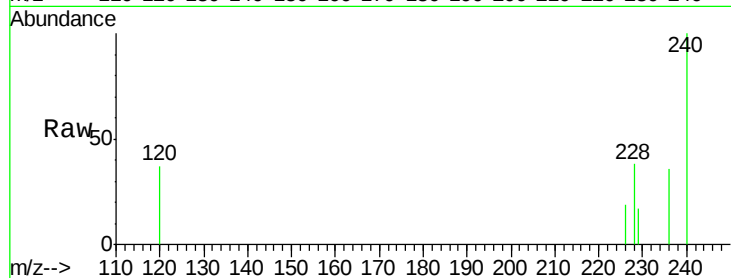
Tgt Ion:228 Resp: 319

Ion Ratio Lower Upper

228 100

226 50.2 25.7 38.5#

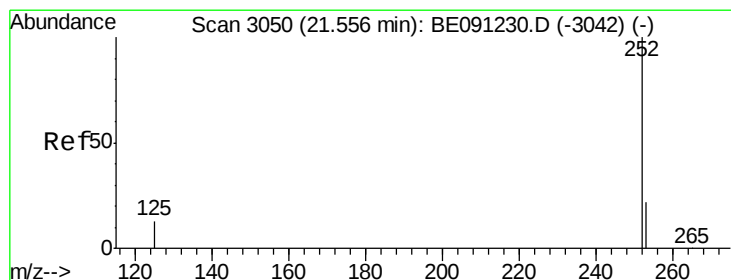
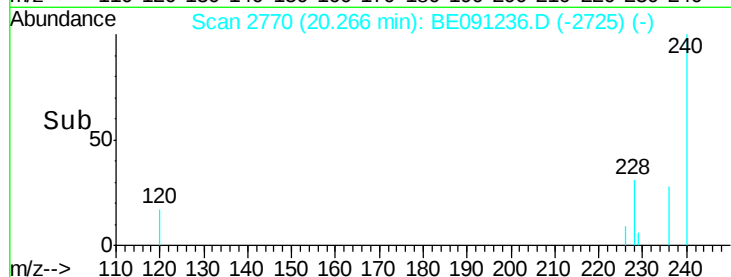
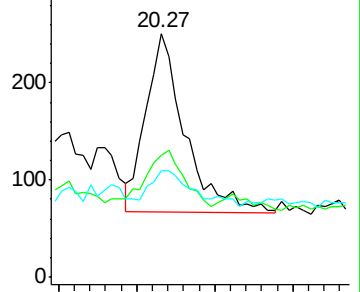
229 43.4 15.2 22.8#



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: 21.44 min Scan# 3024

Delta R.T. -0.12 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

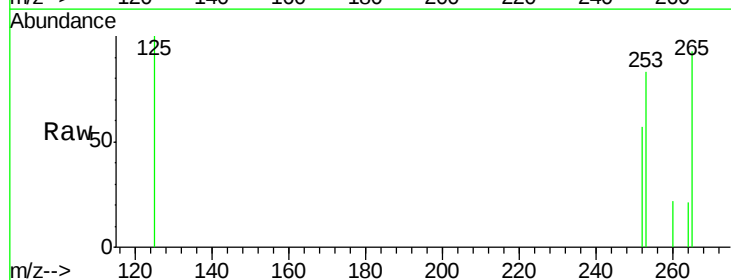
Tgt Ion:252 Resp: 19

Ion Ratio Lower Upper

252 100

253 145.7 0.0 48.0#

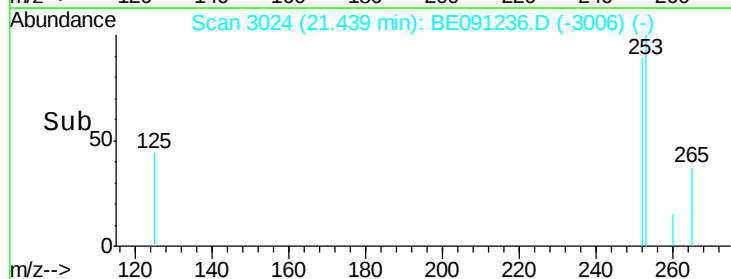
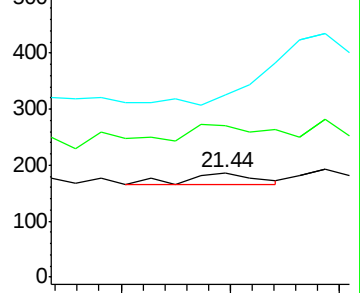
125 174.7 0.0 36.6#

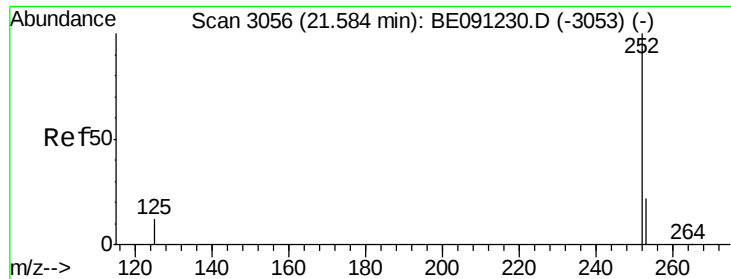


Abundance Ion 252.00 (251.70 to 252.70): E

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: 21.46 min Scan# 3028

Delta R.T. -0.13 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

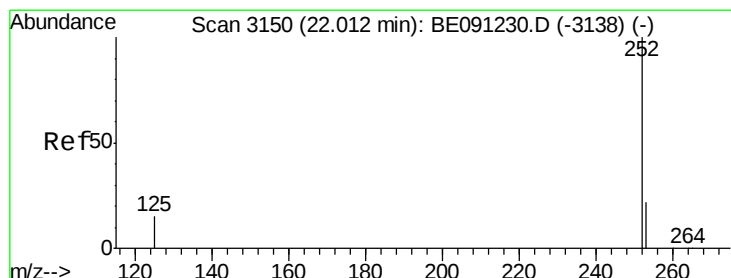
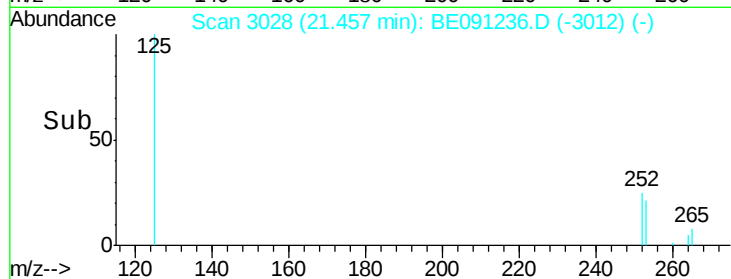
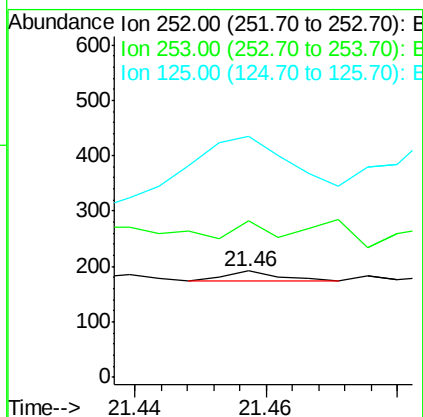
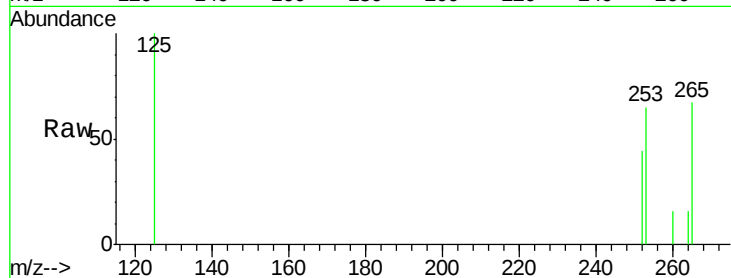
Instrument :

BNA_E

ClientSampleId :

D9KL4

Tgt Ion:	252	Resp:	12
Ion	Ratio	Lower	Upper
252	100		
253	146.9	20.8	31.2#
125	226.6	12.2	18.4#



#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

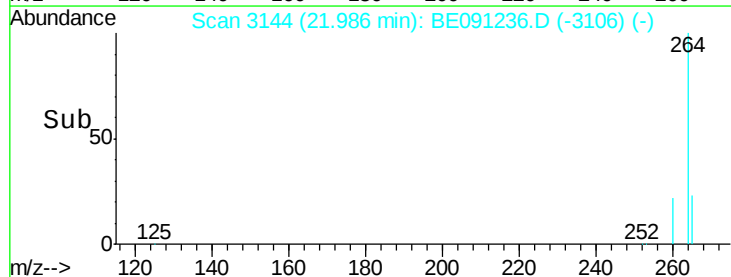
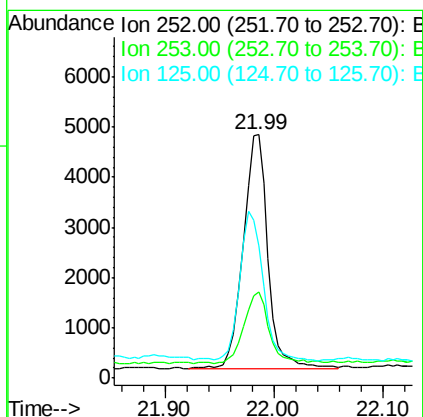
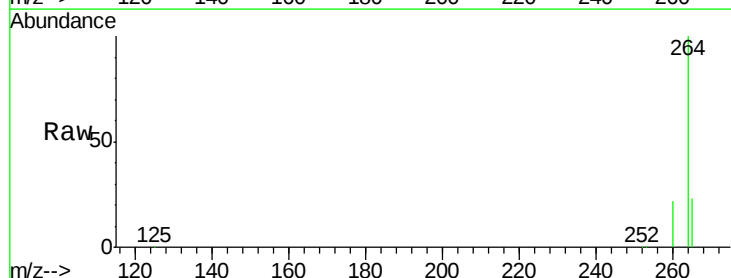
RT: 21.99 min Scan# 3144

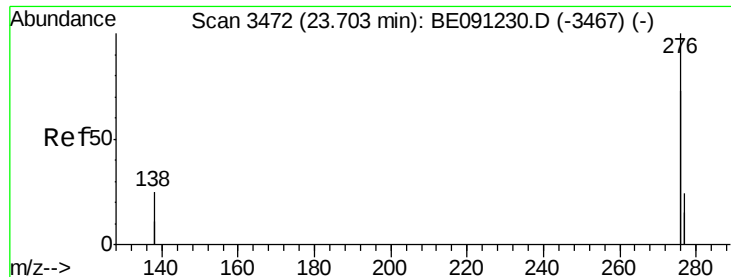
Delta R.T. -0.03 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

Tgt Ion:	252	Resp:	7338
Ion	Ratio	Lower	Upper
252	100		
253	35.4	21.8	32.8#
125	54.3	14.5	21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 23.57 min Scan# 3451

Delta R.T. -0.13 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

Instrument :

BNA_E

ClientSampleId :

D9KL4

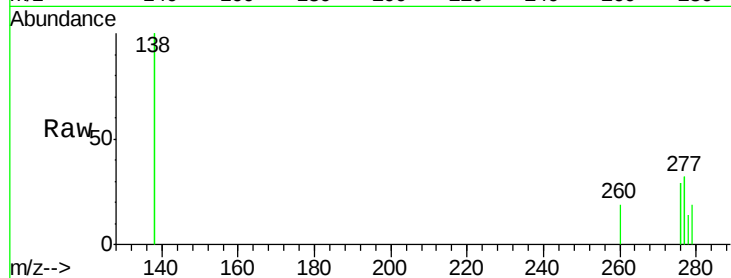
Tgt Ion:276 Resp: 34

Ion Ratio Lower Upper

276 100

138 223.5 27.5 41.3#

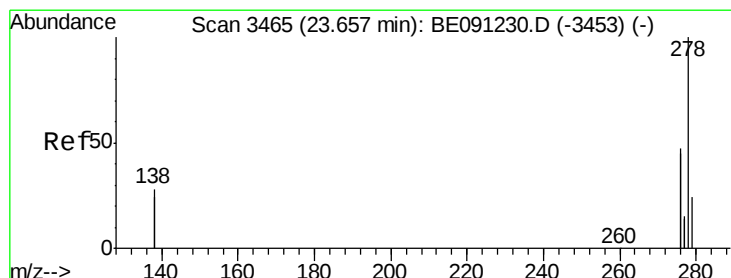
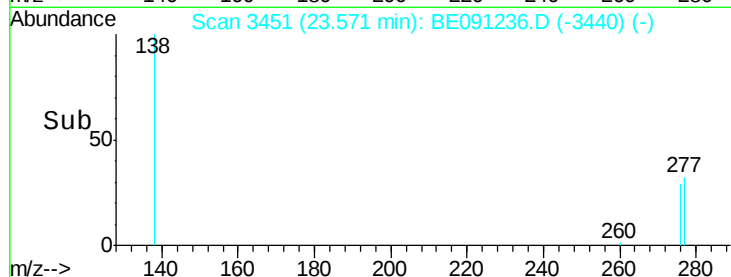
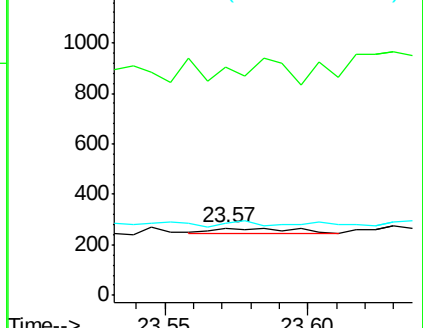
277 67.6 19.3 28.9#



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: 23.52 min Scan# 3443

Delta R.T. -0.14 min

Lab File: BE091236.D

Acq: 18 Nov 2015 20:09

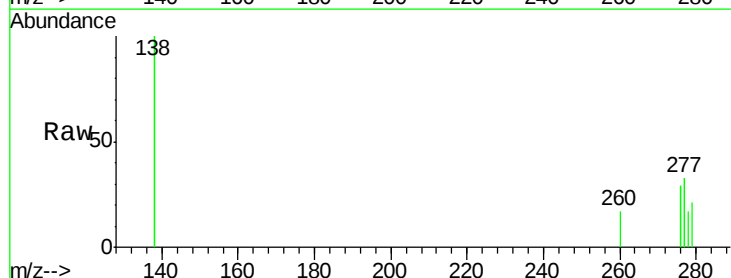
Tgt Ion:278 Resp: 19

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

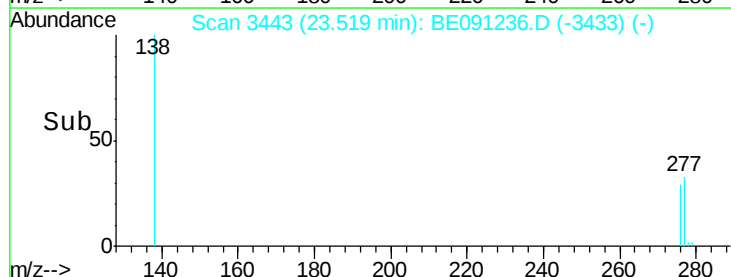
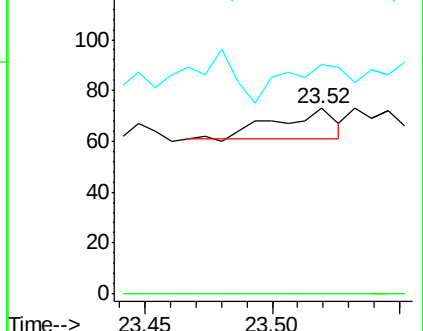
279 123.3 21.9 32.9#

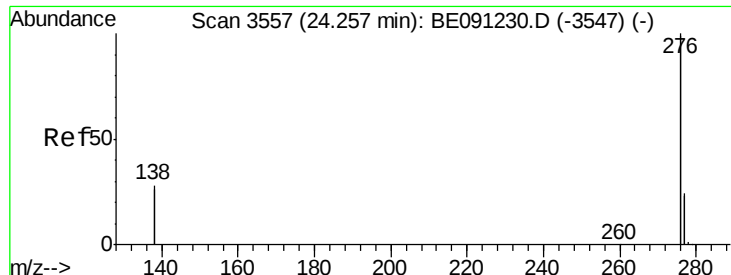


Abundance Ion 278.00 (277.70 to 278.70): E

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/u1

RT: 24.04 min Scan# 3523

Delta R.T. -0.22 min

Lab File: BE091236.D

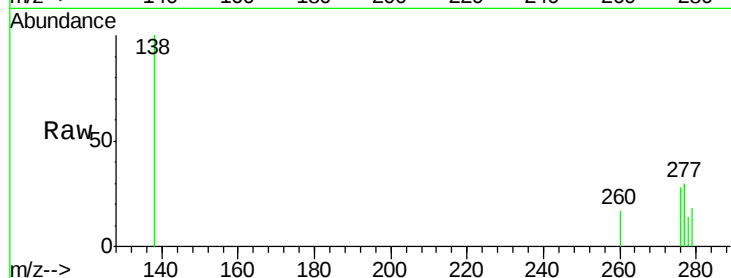
Acq: 18 Nov 2015 20:09

Instrument :

BNA_E

ClientSampleId :

D9KL4



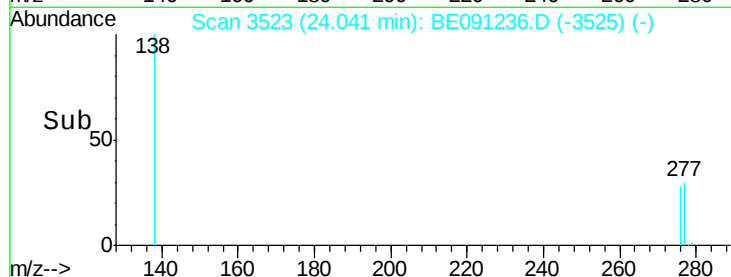
Tgt Ion: 276 Resp: 26

Ion Ratio Lower Upper

276 100

277 106.7 21.3 31.9#

138 351.5 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

