

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111715\
 Data File : BE091195.D
 Acq On : 17 Nov 2015 9:27
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 18 03:25:06 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 : Mon Nov 16 04:54:02 2015
 Response via : Initial Calibration

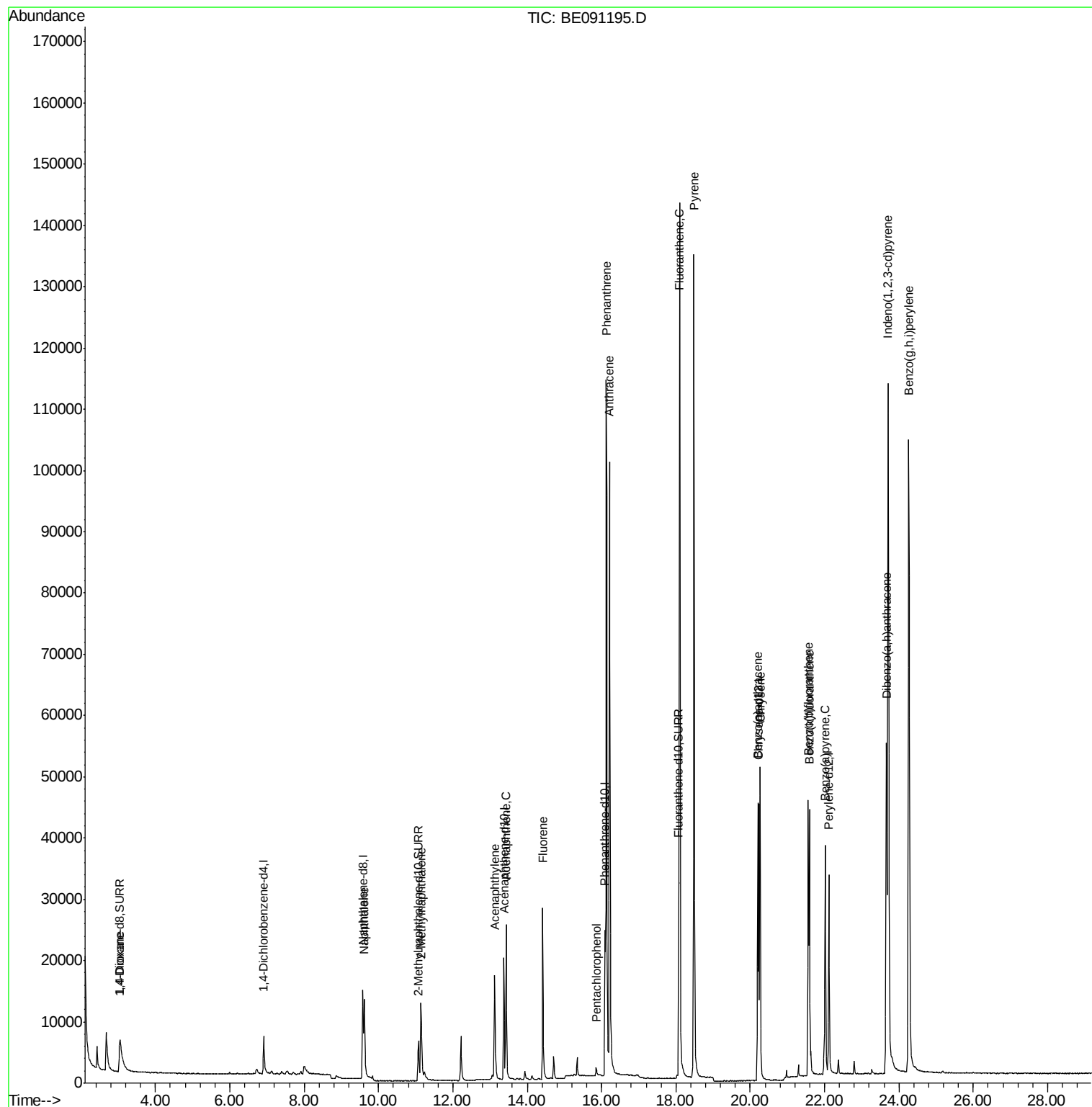
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	4553	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.57	136	22504	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.37	164	11472	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.09	188	31008	0.40	ng/ul	-0.01
18) Chrysene-d12	20.23	240	39644	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	35881	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.03	96	5848	1.79	ng/uL	-0.06
6) 2-Methylnaphthalene-d10	11.07	152	11344	0.37	ng/ul	-0.02
16) Fluoranthene-d10	18.07	212	35535	0.41	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.05	88	6461	1.74	ng/ul#	68
5) Naphthalene	9.62	128	21265	0.38	ng/ul	99
7) 2-Methylnaphthalene	11.14	142	12999	0.36	ng/ul	89
9) Acenaphthylene	13.12	152	22089	0.39	ng/ul	98
10) Acenaphthene	13.43	153	15595	0.40	ng/ul	88
11) Fluorene	14.42	166	19651	0.39	ng/ul	95
13) Pentachlorophenol	15.86	266	1321	0.45	ng/ul	97
14) Phenanthrene	16.12	178	142923	0.40	ng/ul	97
15) Anthracene	16.21	178	130030	0.40	ng/ul	98
17) Fluoranthene	18.10	202	174121	0.42	ng/ul	89
19) Pyrene	18.49	202	164996	0.37	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	38163	0.37	ng/ul	98
21) Chrysene	20.27	228	46031	0.39	ng/ul	97
23) Benzo(b)fluoranthene	21.56	252	45004	0.40	ng/ul	93
24) Benzo(k)fluoranthene	21.59	252	42529	0.37	ng/ul	94
25) Benzo(a)pyrene	22.02	252	43838	0.42	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.71	276	168775	0.39	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.66	278	41335	0.40	ng/ul#	71
28) Benzo(g,h,i)perylene	24.26	276	176529	0.39	ng/ul	94

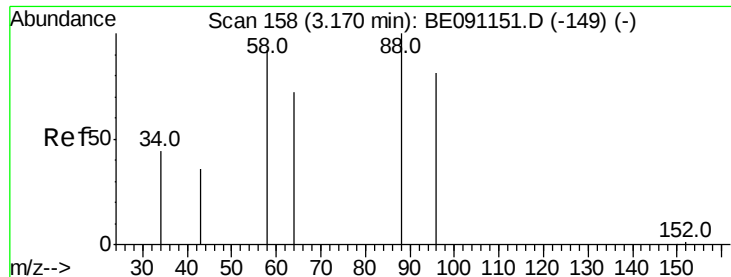
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.74 ng/ul

RT: 3.05 min Scan# 140

Delta R.T. -0.06 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

Instrument :

BNA_E

ClientSampleId :

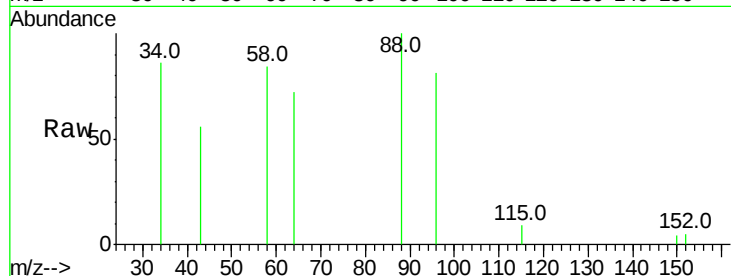
Tot Ion: 88 Resp: 6461

Ion Ratio Lower Upper

88 100

58 101.2 55.4 83.2#

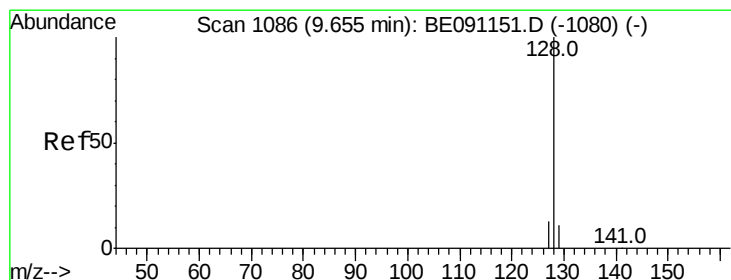
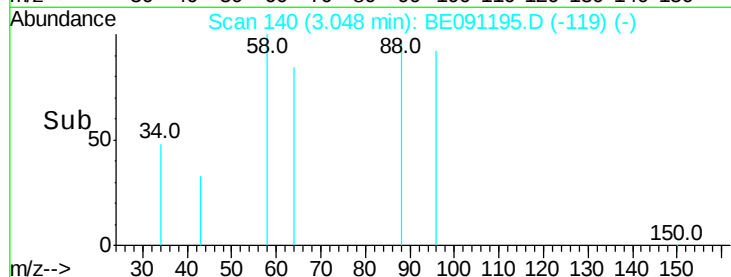
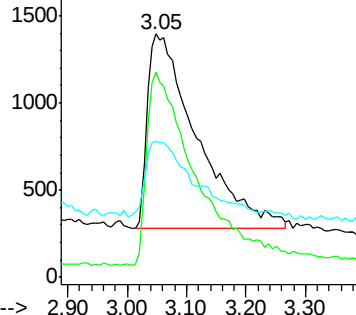
43 39.1 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091195.D (-149) (-)

Ion 58.00 (57.70 to 58.70): BE091195.D (-149) (-)

Ion 43.00 (42.70 to 43.70): BE091195.D (-149) (-)



#5

Naphthalene

Concen: 0.38 ng/ul

RT: 9.62 min Scan# 1081

Delta R.T. -0.02 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

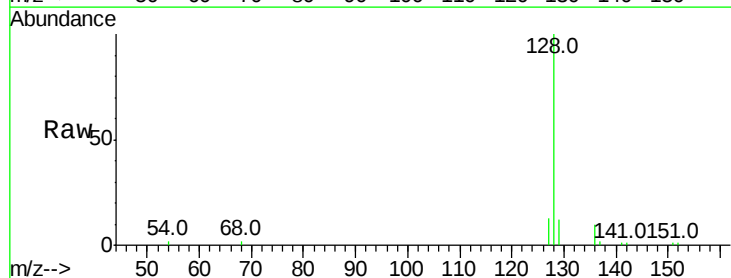
Tgt Ion: 128 Resp: 21265

Ion Ratio Lower Upper

128 100

129 11.6 9.8 14.8

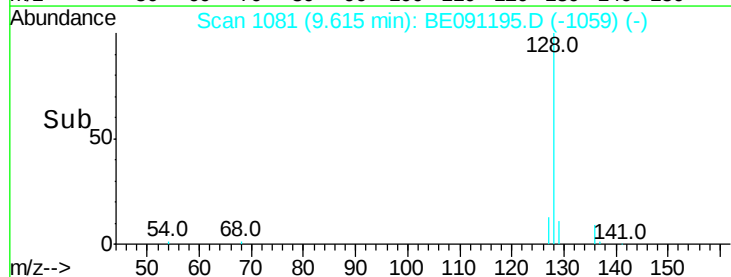
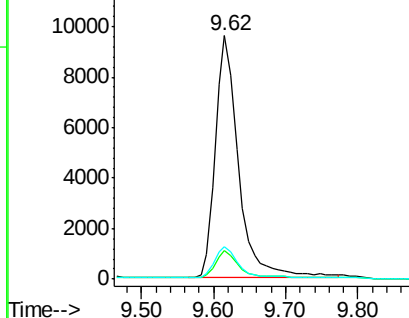
127 13.4 10.7 16.1

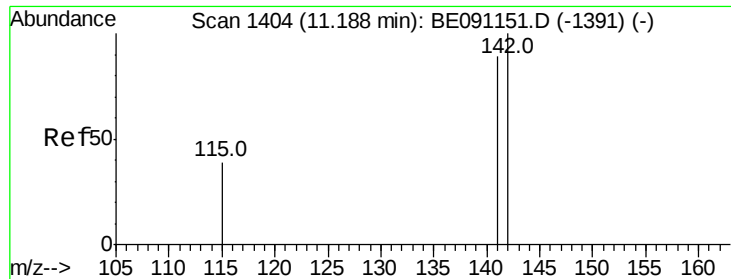


Abundance Ion 128.00 (127.70 to 128.70): BE091195.D (-1080) (-)

Ion 129.00 (128.70 to 129.70): BE091195.D (-1080) (-)

Ion 127.00 (126.70 to 127.70): BE091195.D (-1080) (-)





#7

2-Methylnaphthalene

Concen: 0.36 ng/ul

RT: 11.14 min Scan# 1394

Delta R.T. -0.02 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

Instrument :

BNA_E

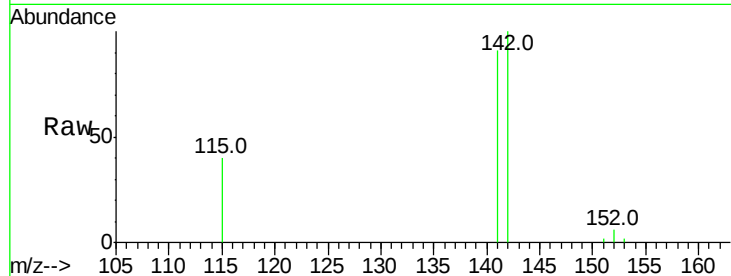
ClientSampleId :

Tot Ion:142 Resp: 12999

Ion Ratio Lower Upper

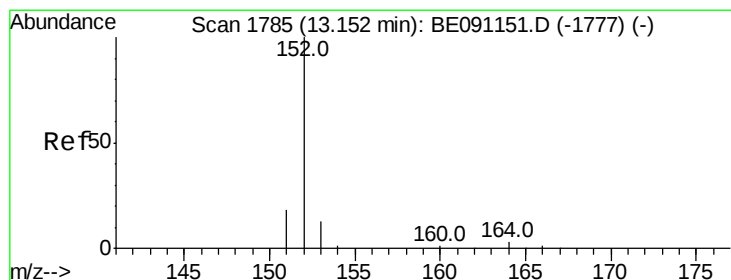
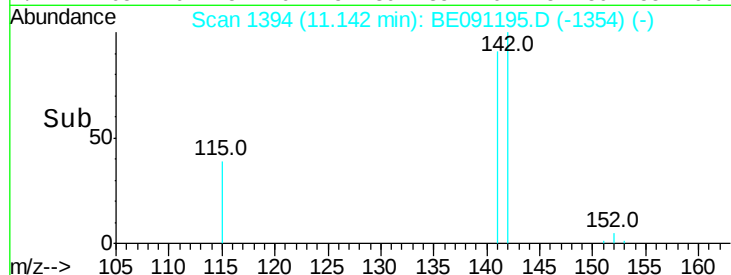
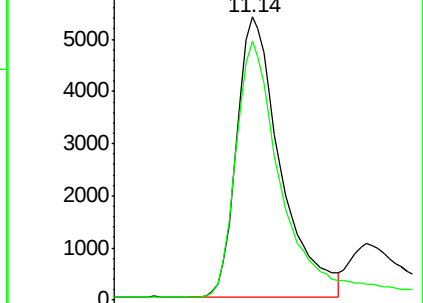
142 100

141 98.5 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: 0.39 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

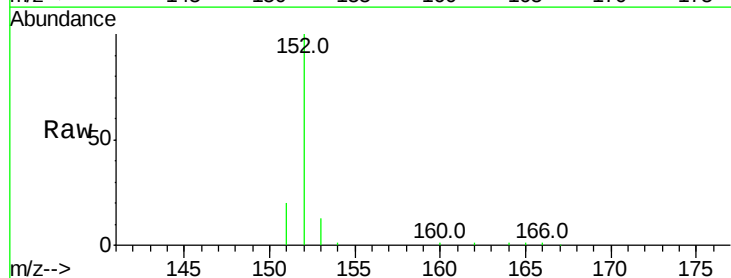
Tgt Ion:152 Resp: 22089

Ion Ratio Lower Upper

152 100

151 20.1 16.8 25.2

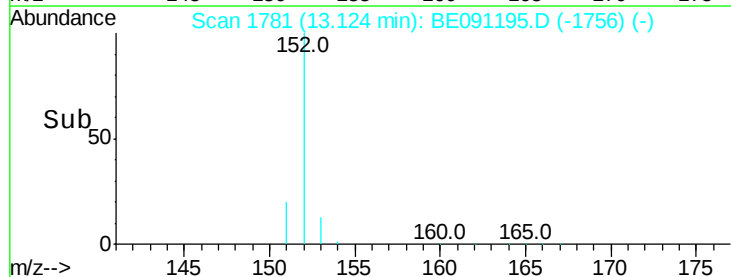
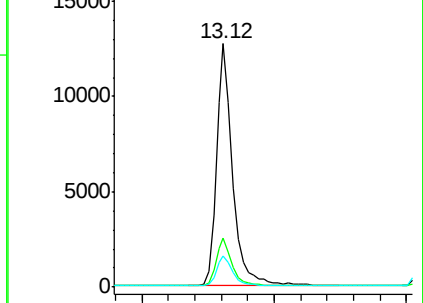
153 13.0 11.3 16.9

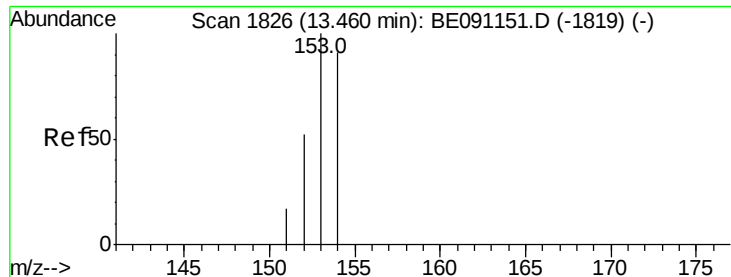


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.40 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

Instrument :

BNA_E

ClientSampleId :

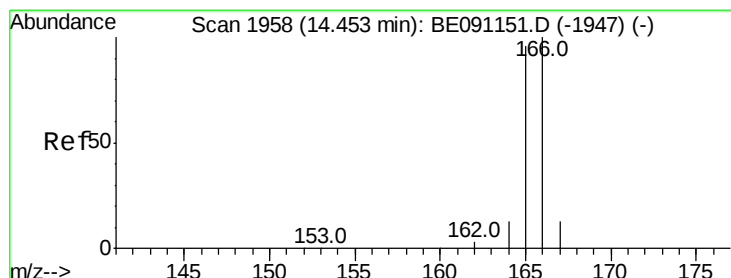
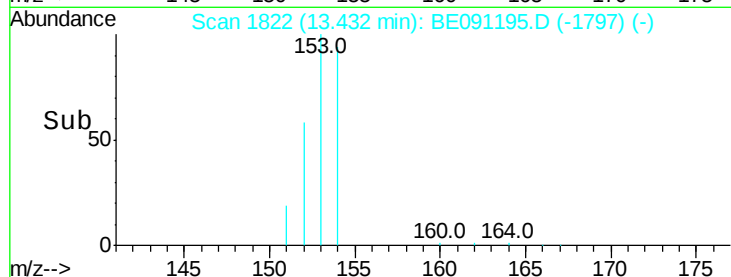
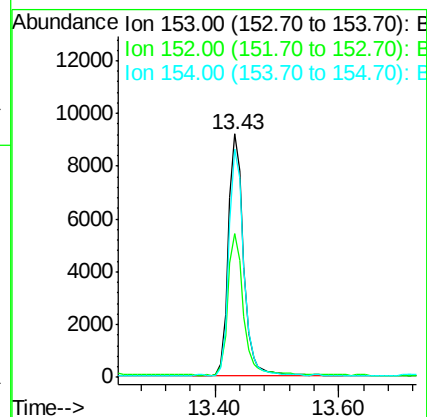
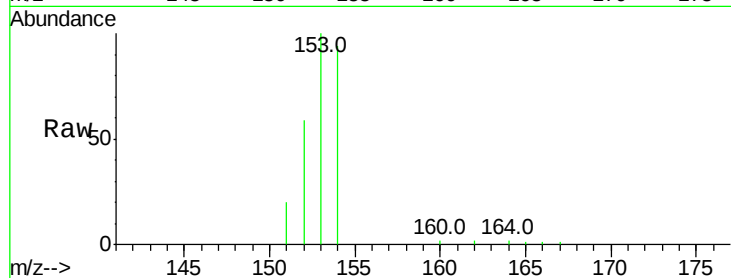
Tot Ion:153 Resp: 15595

Ion Ratio Lower Upper

153 100

152 59.1 42.3 63.5

154 93.6 64.7 97.1



#11

Fluorene

Concen: 0.39 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

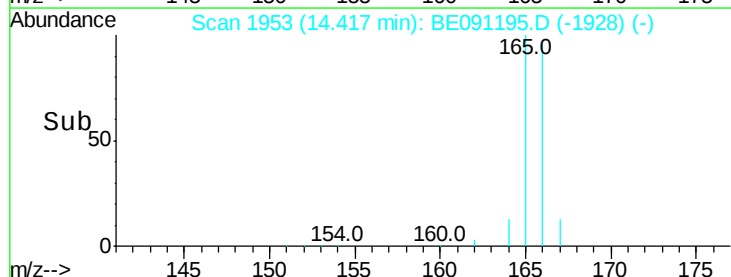
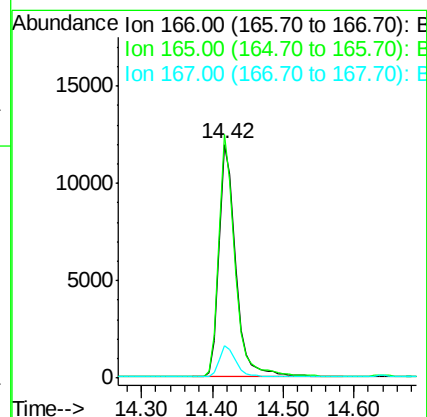
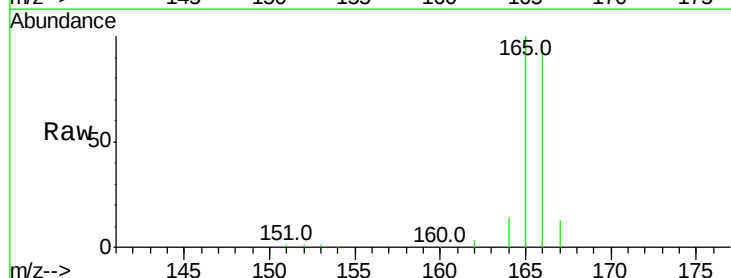
Tgt Ion:166 Resp: 19651

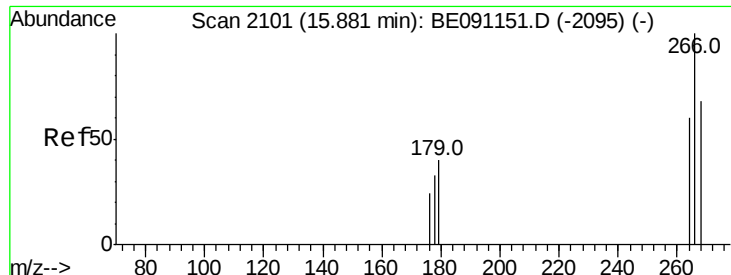
Ion Ratio Lower Upper

166 100

165 104.1 87.6 131.4

167 13.8 11.1 16.7

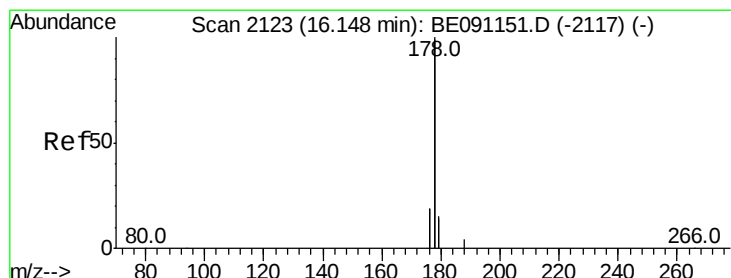
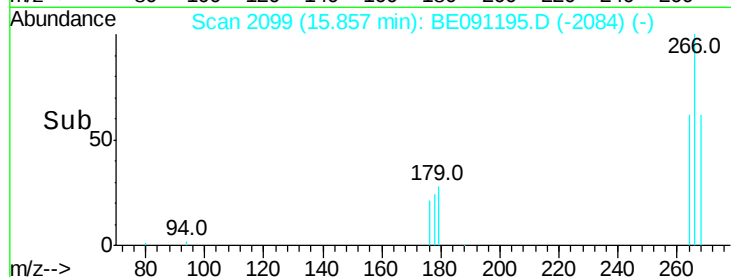
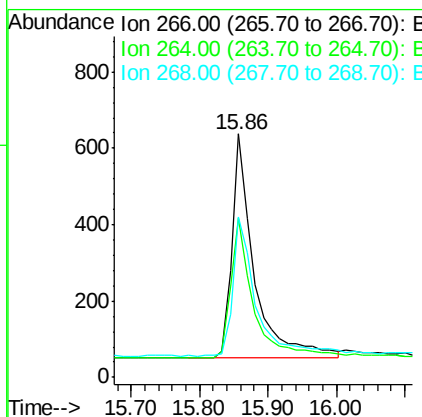
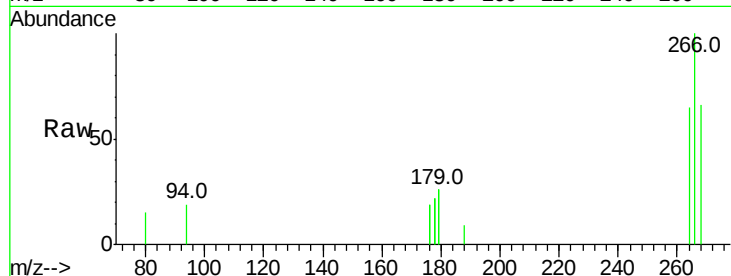




#13
 Pentachlorophenol
 Concen: 0.45 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: BE091195.D
 Acq: 17 Nov 2015 9:27

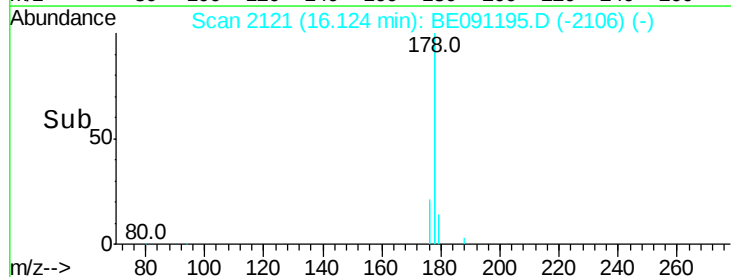
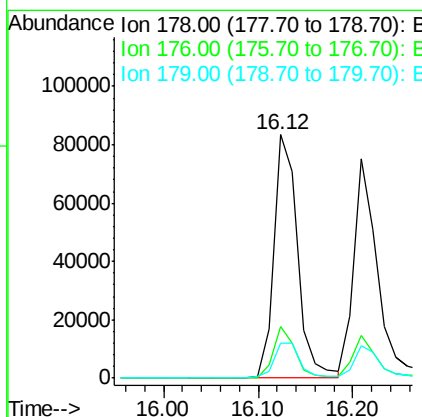
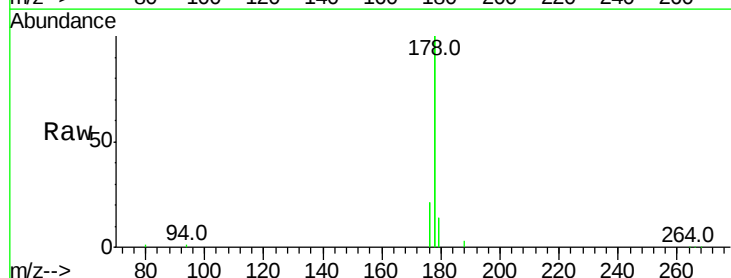
Instrument :
 BNA_E
 ClientSampleId :

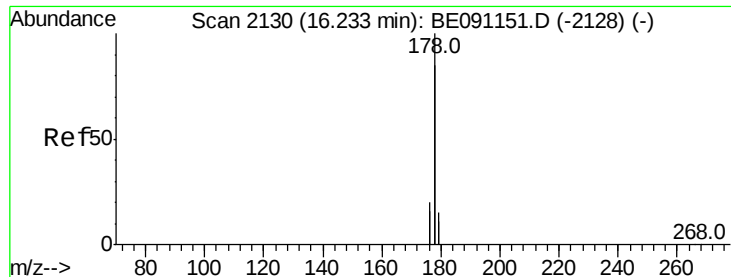
Tot Ion:266 Resp: 1321
 Ion Ratio Lower Upper
 266 100
 264 64.0 53.5 80.3
 268 65.7 54.2 81.2



#14
 Phenanthrene
 Concen: 0.40 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BE091195.D
 Acq: 17 Nov 2015 9:27

Tgt Ion:178 Resp: 142923
 Ion Ratio Lower Upper
 178 100
 176 21.0 16.2 24.4
 179 14.4 12.8 19.2





#15

Anthracene

Concen: 0.40 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

Instrument :

BNA_E

ClientSampleId :

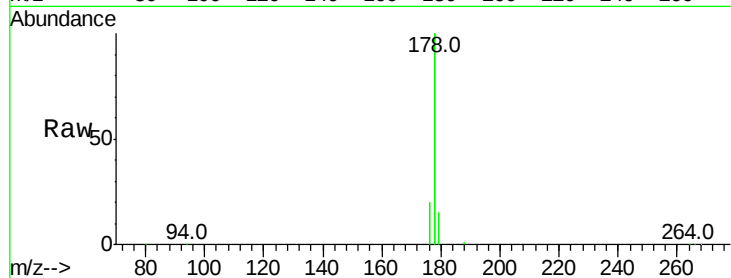
Tot Ion:178 Resp: 130030

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

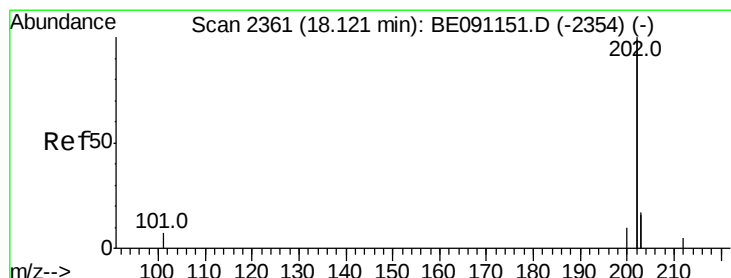
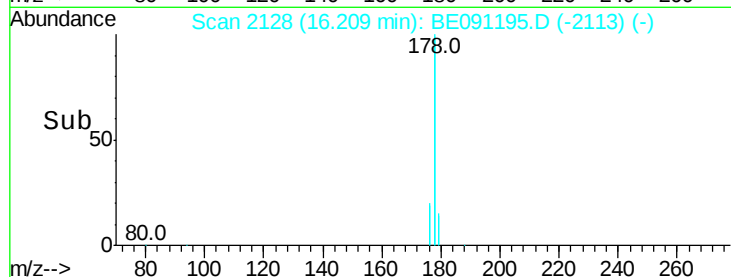
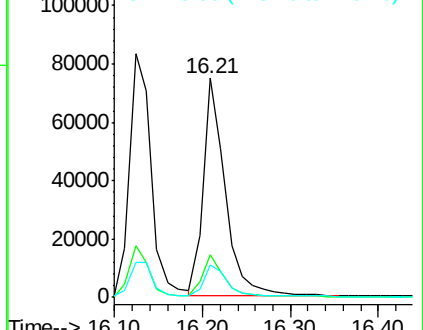
179 14.5 13.3 19.9



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: 0.42 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

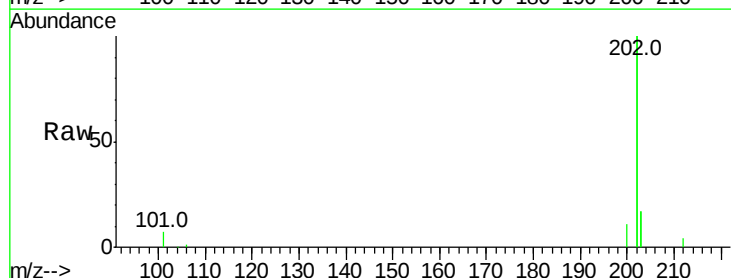
Tgt Ion:202 Resp: 174121

Ion Ratio Lower Upper

202 100

101 3.7 0.0 33.1

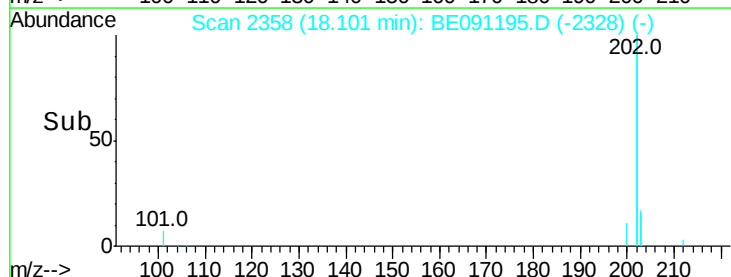
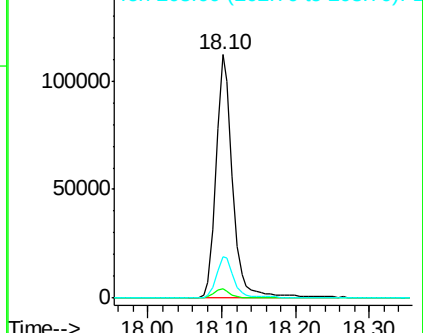
203 16.9 0.0 37.2

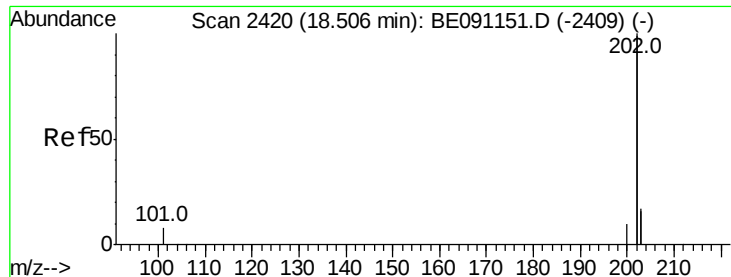


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.37 ng/ul

RT: 18.49 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

Instrument :

BNA_E

ClientSampleId :

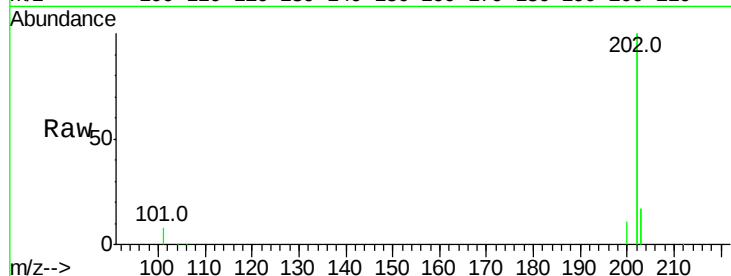
Tot Ion:202 Resp: 164996

Ion Ratio Lower Upper

202 100

200 5.3 18.0 27.0#

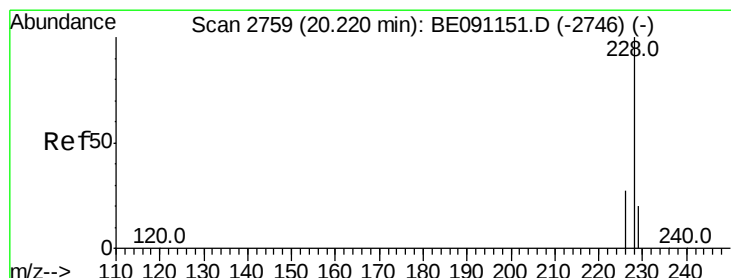
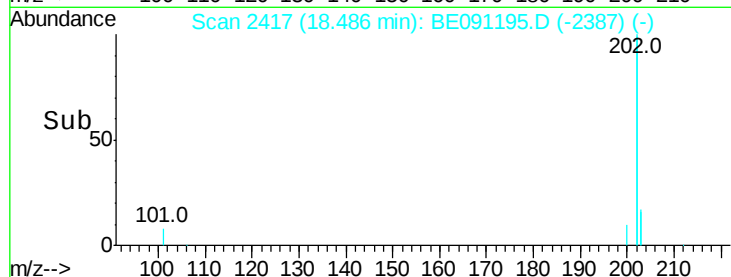
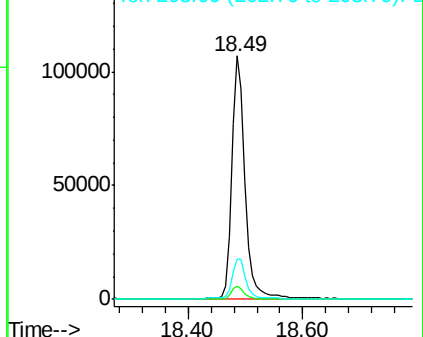
203 16.5 13.8 20.6



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: 0.37 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. -0.01 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

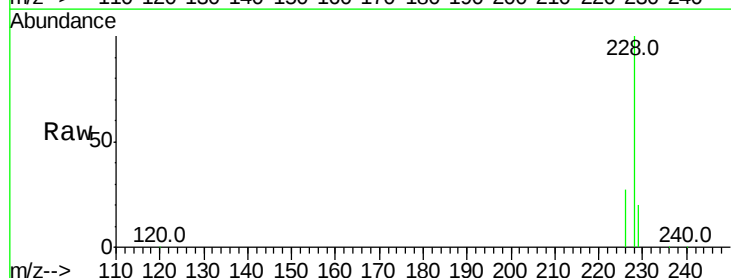
Tgt Ion:228 Resp: 38163

Ion Ratio Lower Upper

228 100

226 27.3 23.0 34.4

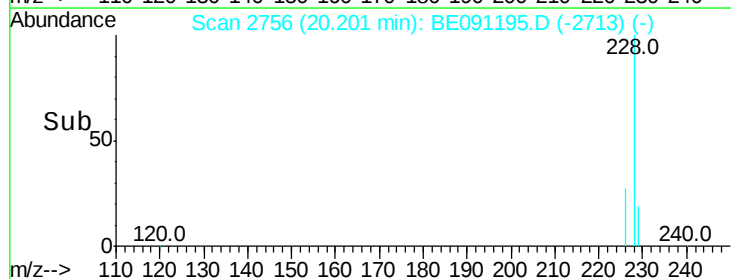
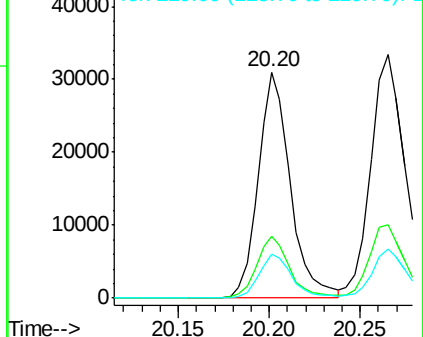
229 19.6 15.2 22.8

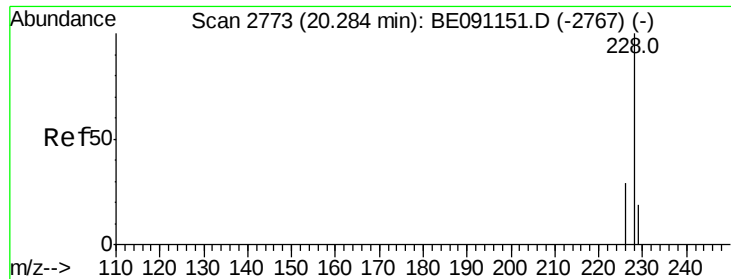


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.39 ng/ul

RT: 20.27 min Scan# 2770

Delta R.T. -0.00 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

Instrument :

BNA_E

ClientSampleId :

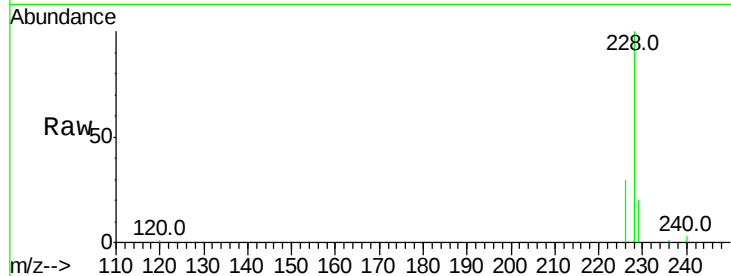
Tot Ion:228 Resp: 46031

Ion Ratio Lower Upper

228 100

226 30.1 25.7 38.5

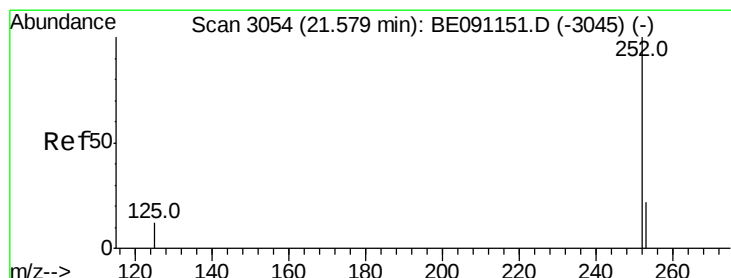
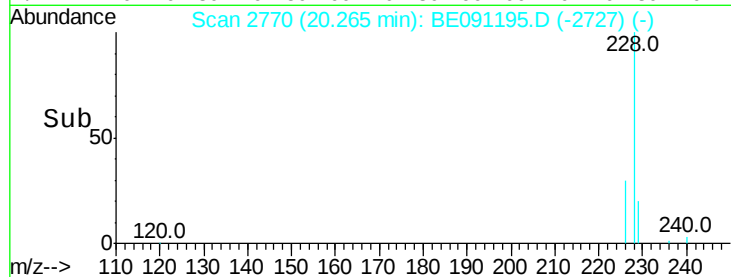
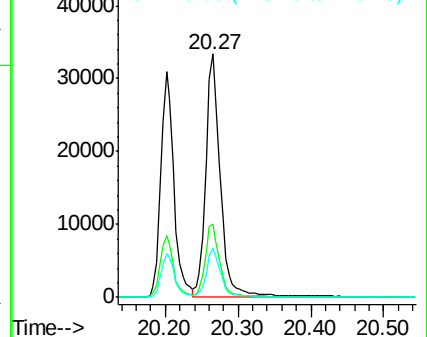
229 19.9 15.2 22.8



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



#23

Benzo(b)fluoranthene

Concen: 0.40 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. -0.01 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

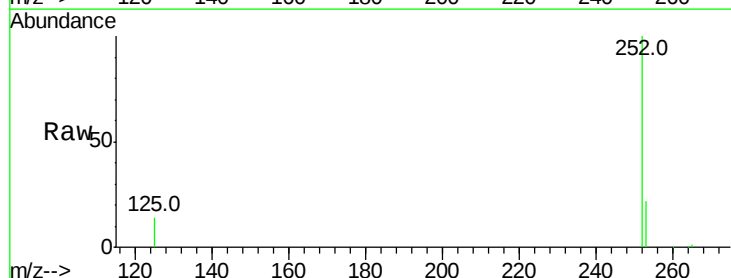
Tgt Ion:252 Resp: 45004

Ion Ratio Lower Upper

252 100

253 22.3 0.0 48.0

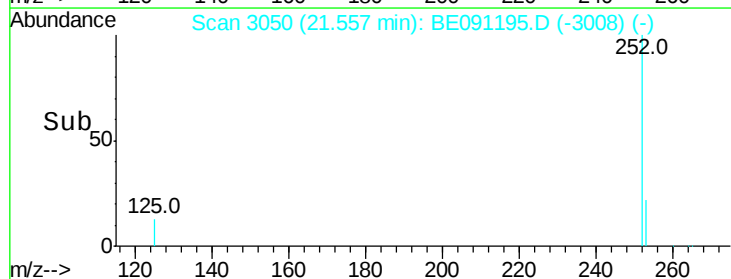
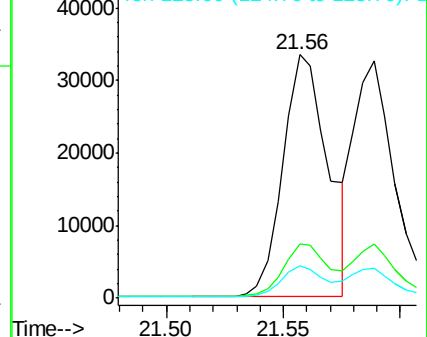
125 13.5 0.0 36.6

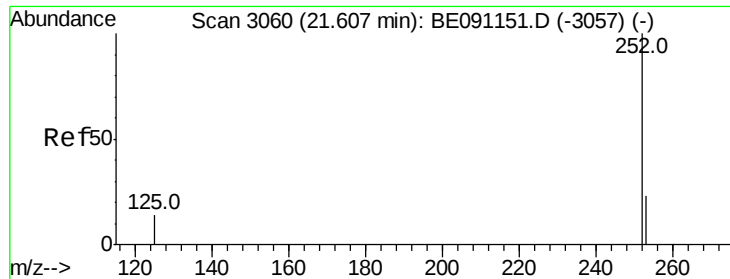


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.37 ng/ul

RT: 21.59 min Scan# 3057

Delta R.T. -0.00 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

Instrument :

BNA_E

ClientSampleId :

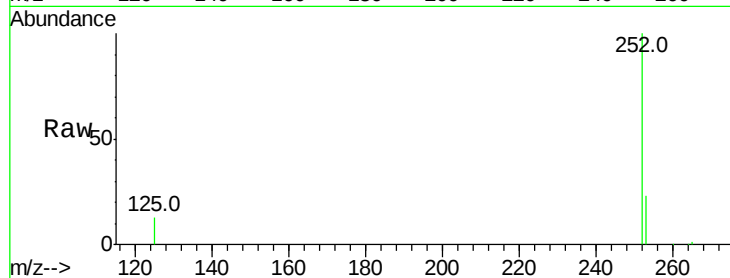
Tot Ion:252 Resp: 42529

Ion Ratio Lower Upper

252 100

253 22.8 20.8 31.2

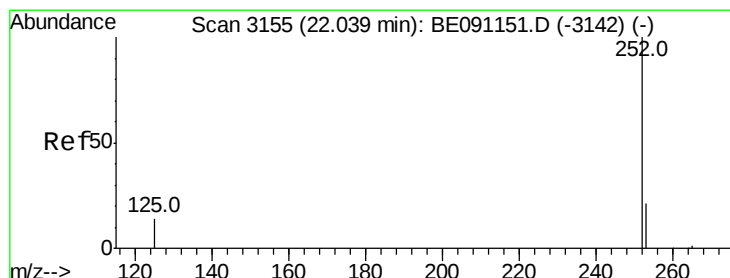
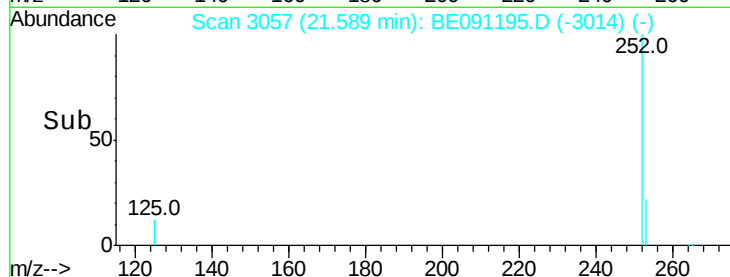
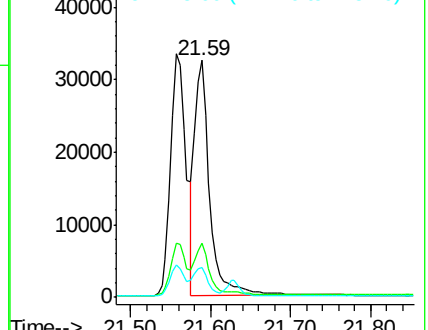
125 12.7 12.2 18.4



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: 0.42 ng/ul

RT: 22.02 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

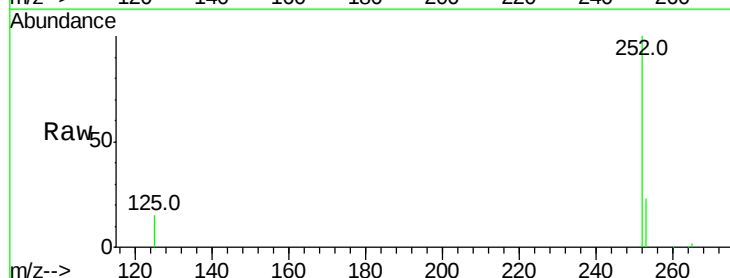
Tgt Ion:252 Resp: 43838

Ion Ratio Lower Upper

252 100

253 22.9 21.8 32.8

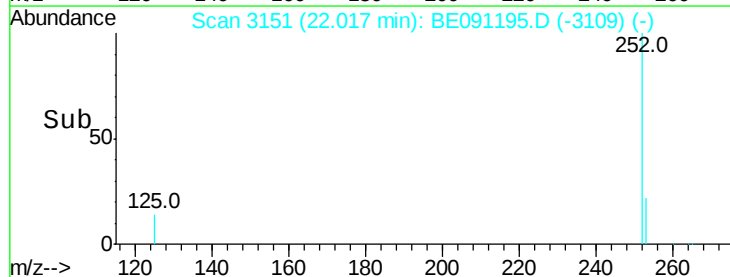
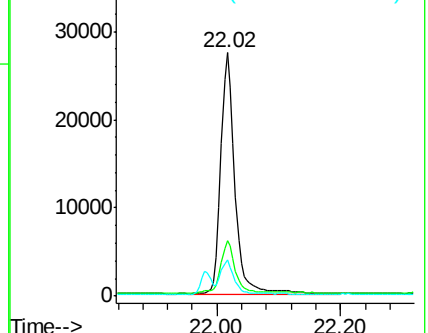
125 15.1 14.5 21.7

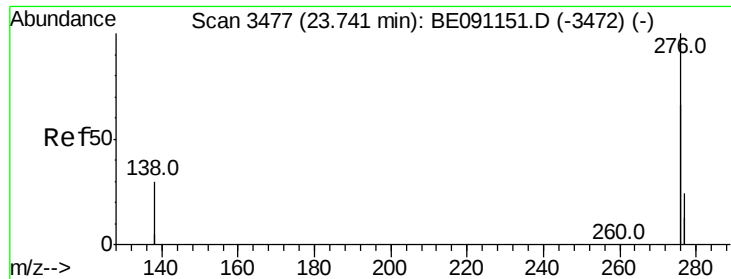


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.39 ng/ul

RT: 23.71 min Scan# 3473

Delta R.T. -0.01 min

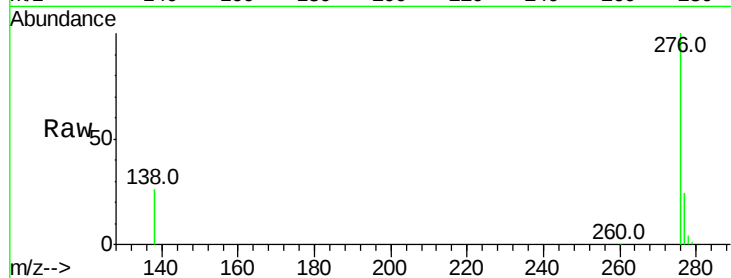
Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

Instrument :

BNA_E

ClientSampleId :



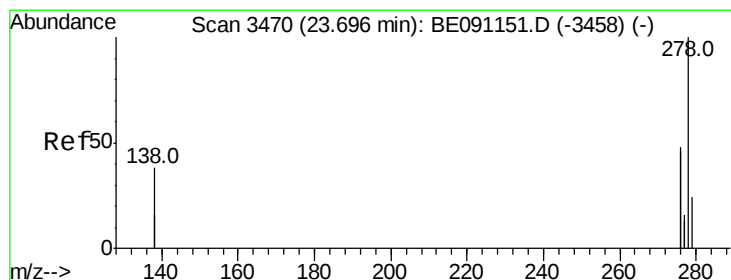
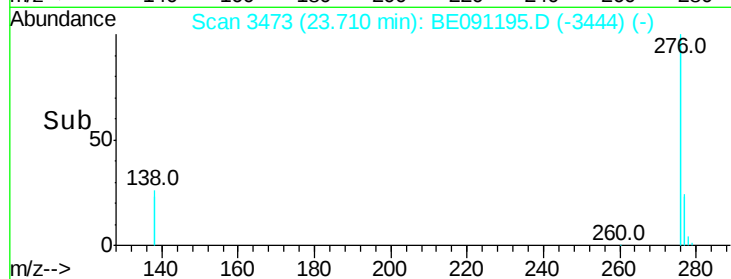
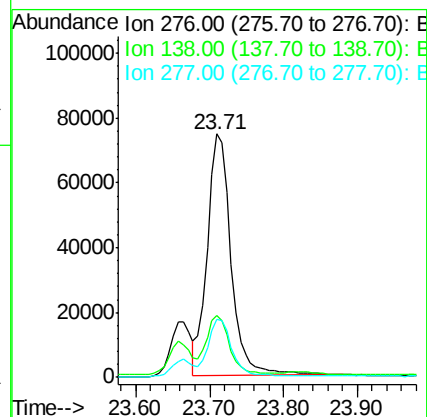
Tot Ion:276 Resp: 168775

Ion Ratio Lower Upper

276 100

138 23.4 27.5 41.3#

277 23.5 19.3 28.9



#27

Dibenzo(a,h)anthracene

Concen: 0.40 ng/ul

RT: 23.66 min Scan# 3466

Delta R.T. -0.01 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

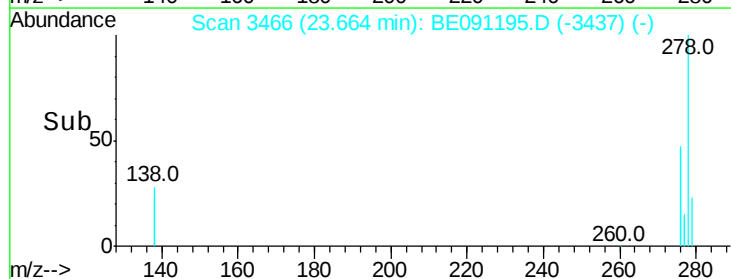
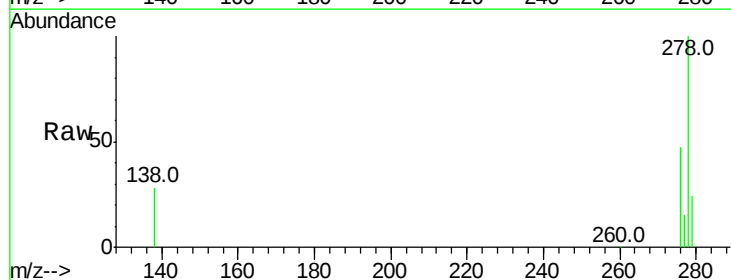
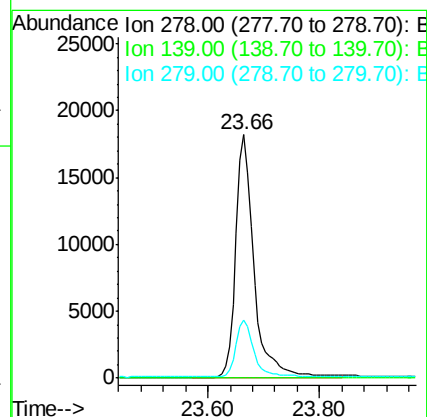
Tgt Ion:278 Resp: 41335

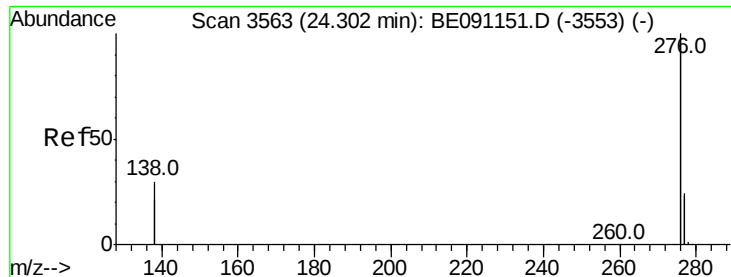
Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

279 23.9 21.9 32.9





#28

Benzo(a,h,i)perylene

Concen: 0.39 ng/ul

RT: 24.26 min Scan# 3558

Delta R.T. -0.02 min

Lab File: BE091195.D

Acq: 17 Nov 2015 9:27

Instrument :

BNA_E

ClientSampleId :

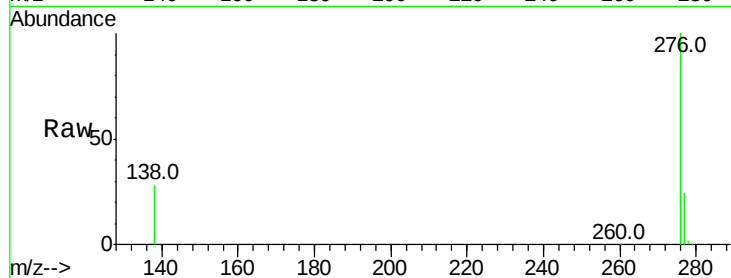
Tot Ion:276 Resp: 176529

Ion Ratio Lower Upper

276 100

277 23.5 21.3 31.9

138 28.1 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

