

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120115\
 Data File : BE091327.D
 Acq On : 1 Dec 2015 14:47
 Operator : UM/NP
 Sample : SSTD1.696
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD1.696

Quant Time: Dec 01 15:31:08 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE120115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 14:54:57 2015
 Response via : Initial Calibration

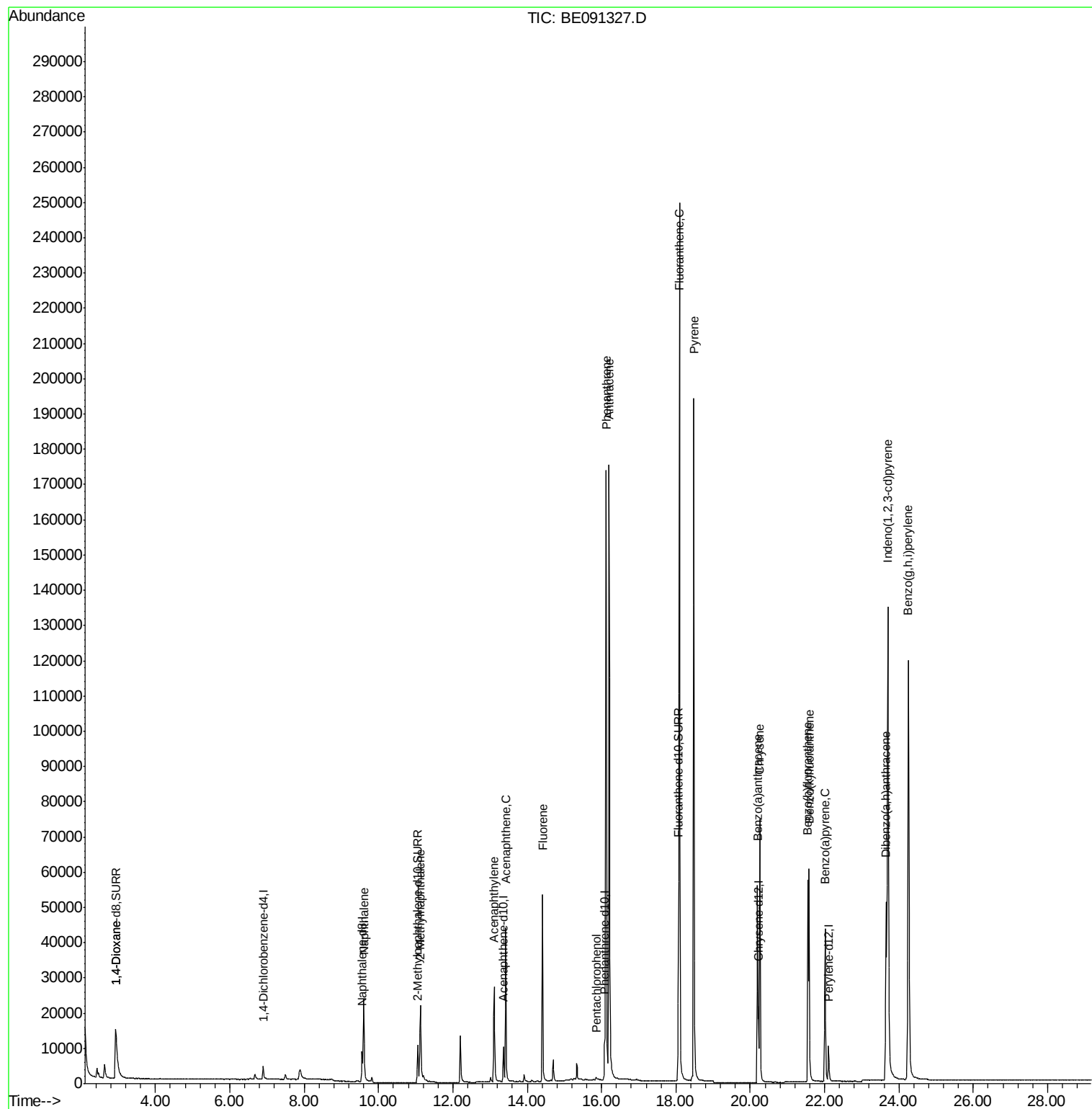
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	2520	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.56	136	12076	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	5024	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	15045	0.40	ng/ul	0.00
18) Chrysene-d12	20.22	240	17546	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	11139	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.92	96	11840	1.32	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.05	152	16986	1.42	ng/ul	-0.02
16) Fluoranthene-d10	18.07	212	51092	1.73	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	2.94	88	13151	1.34	ng/ul#	63
5) Naphthalene	9.60	128	36487	1.43	ng/ul	98
7) 2-Methylnaphthalene	11.13	142	20708	1.51	ng/ul	88
9) Acenaphthylene	13.11	152	35293	1.57	ng/ul	98
10) Acenaphthene	13.42	153	24869	1.54	ng/ul#	82
11) Fluorene	14.41	166	35563	1.69	ng/ul	91
13) Pentachlorophenol	15.86	266	880	1.33	ng/ul	98
14) Phenanthrene	16.12	178	228482	1.56	ng/ul	96
15) Anthracene	16.20	178	213945	1.67	ng/ul	98
17) Fluoranthene	18.09	202	282689	1.85	ng/ul	89
19) Pyrene	18.48	202	223018	1.34	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	46446	1.47	ng/ul	99
21) Chrysene	20.26	228	67435	1.38	ng/ul	96
23) Benzo(b)fluoranthene	21.55	252	53206	1.78	ng/ul	93
24) Benzo(k)fluoranthene	21.58	252	62150	1.81	ng/ul	94
25) Benzo(a)pyrene	22.01	252	50446	1.75	ng/ul#	91
26) Indeno(1,2,3-cd)pyrene	23.70	276	199467	1.75	ng/ul#	92
27) Dibenzo(a,h)anthracene	23.66	278	40826	1.87	ng/ul#	70
28) Benzo(g,h,i)perylene	24.25	276	196263	1.67	ng/ul	94

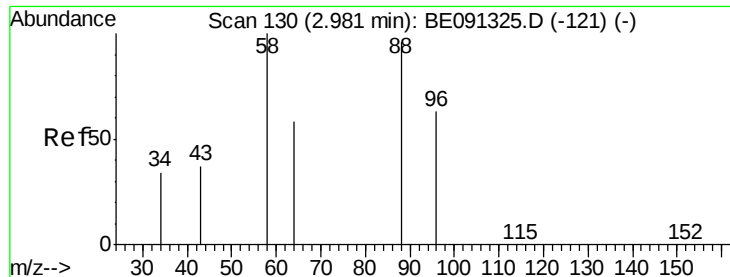
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.34 ng/ul

RT: 2.94 min Scan# 124

Delta R.T. -0.04 min

Lab File: BE091327.D

Acq: 1 Dec 2015 14:47

Instrument :

BNA_E

ClientSampleId :

SSTD1.696

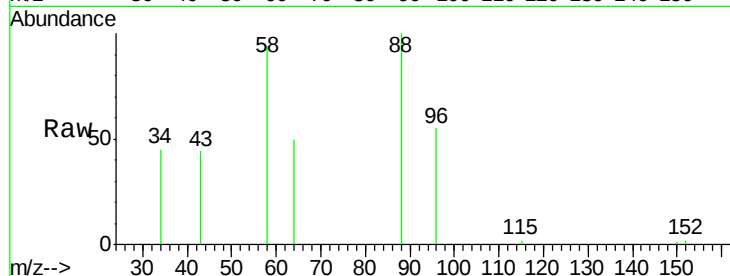
Tot Ion: 88 Resp: 13151

Ion Ratio Lower Upper

88 100

58 104.7 55.4 83.2#

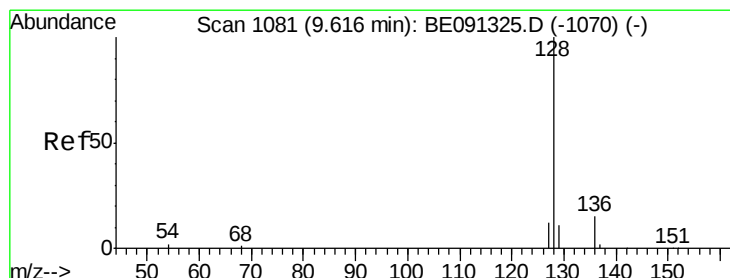
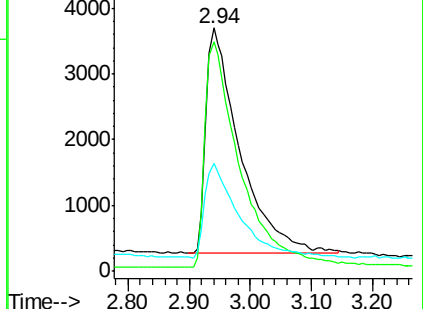
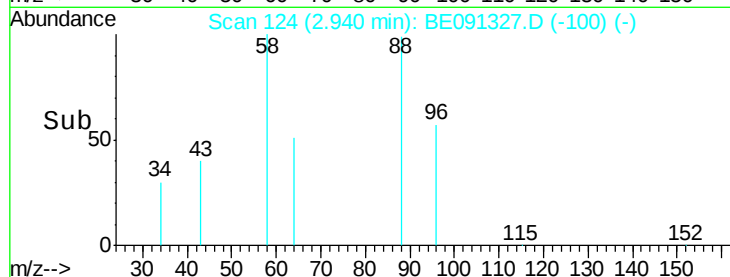
43 42.2 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091327.D (-100) (-)

Ion 58.00 (57.70 to 58.70): BE091327.D (-100) (-)

Ion 43.00 (42.70 to 43.70): BE091327.D (-100) (-)



#5

Naphthalene

Concen: 1.43 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.02 min

Lab File: BE091327.D

Acq: 1 Dec 2015 14:47

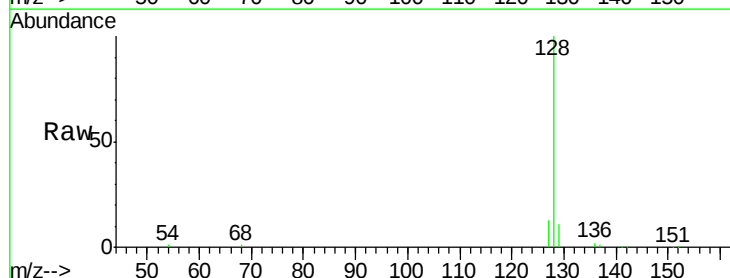
Tgt Ion: 128 Resp: 36487

Ion Ratio Lower Upper

128 100

129 10.9 9.8 14.8

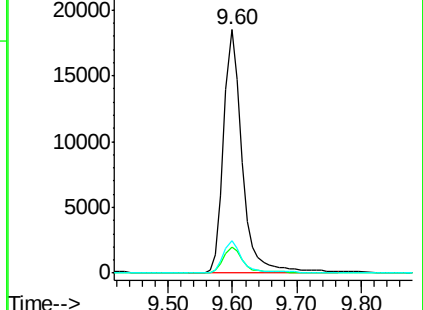
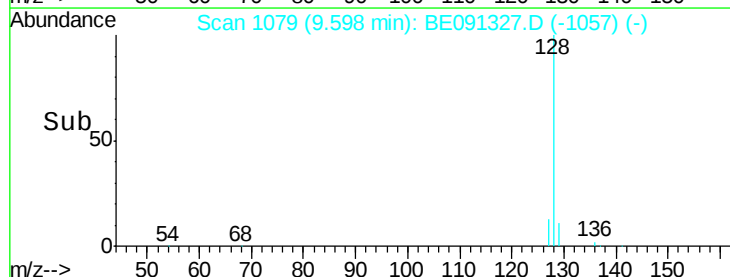
127 13.4 10.7 16.1

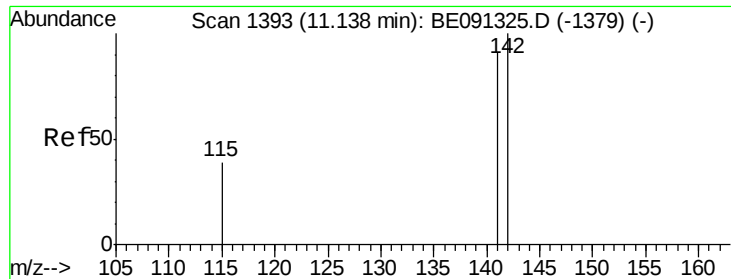


Abundance Ion 128.00 (127.70 to 128.70): BE091327.D (-1057) (-)

Ion 129.00 (128.70 to 129.70): BE091327.D (-1057) (-)

Ion 127.00 (126.70 to 127.70): BE091327.D (-1057) (-)





#7

2-Methylnaphthalene

Concen: 1.51 ng/ul

RT: 11.13 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE091327.D

Acq: 1 Dec 2015 14:47

Instrument :

BNA_E

ClientSampleId :

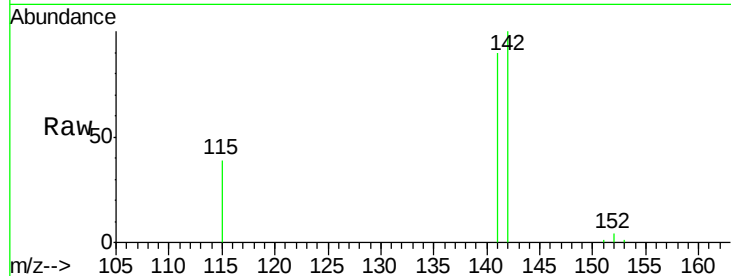
SSTD1.696

Tot Ion:142 Resp: 20708

Ion Ratio Lower Upper

142 100

141 98.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.13

10000

8000

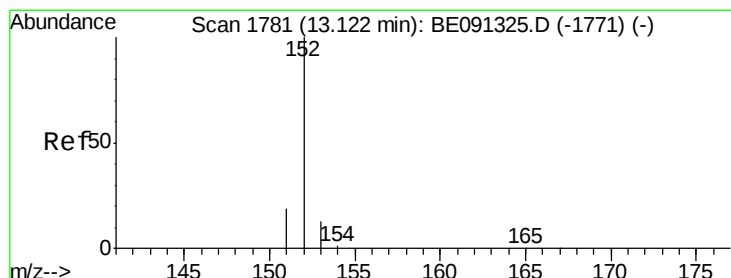
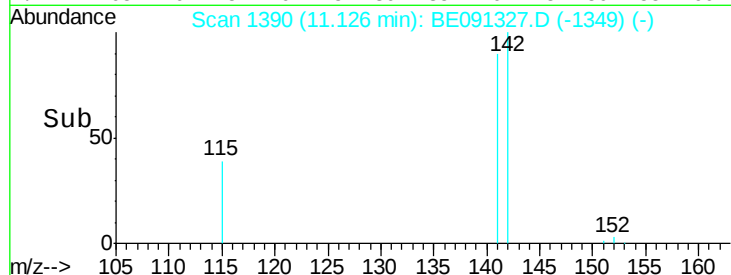
6000

4000

2000

0

Time--> 11.05 11.10 11.15 11.20



#9

Acenaphthylene

Concen: 1.57 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091327.D

Acq: 1 Dec 2015 14:47

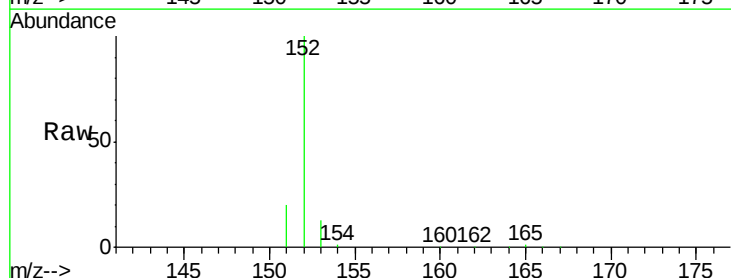
Tgt Ion:152 Resp: 35293

Ion Ratio Lower Upper

152 100

151 20.0 16.8 25.2

153 13.3 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

13.11

25000

20000

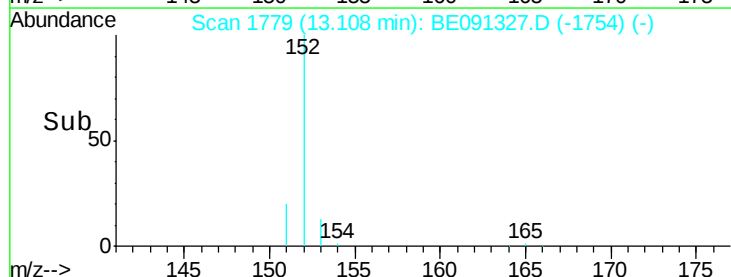
15000

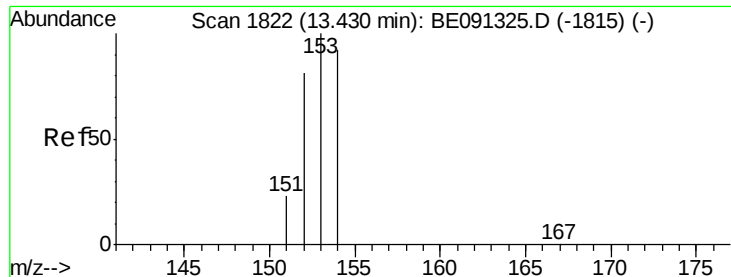
10000

5000

0

Time--> 13.00 13.20





#10

Acenaphthene

Concen: 1.54 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091327.D

Acq: 1 Dec 2015 14:47

Instrument :

BNA_E

ClientSampleId :

SSTD1.696

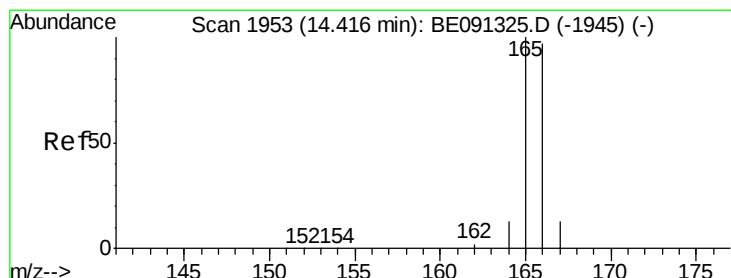
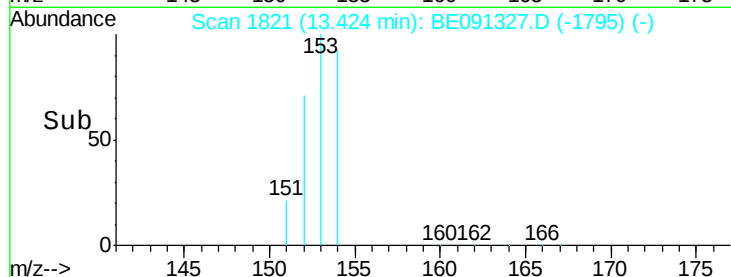
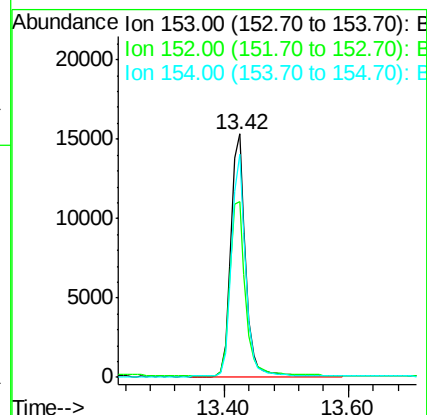
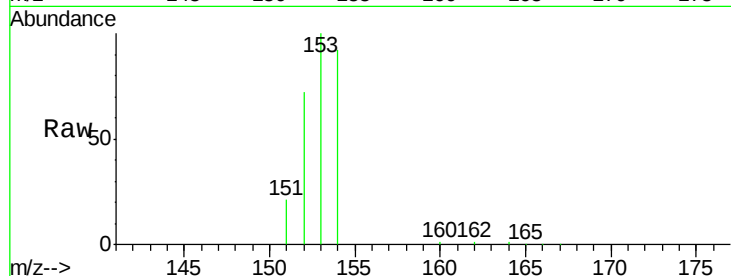
Tot Ion:153 Resp: 24869

Ion Ratio Lower Upper

153 100

152 72.1 42.3 63.5#

154 91.8 64.7 97.1



#11

Fluorene

Concen: 1.69 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091327.D

Acq: 1 Dec 2015 14:47

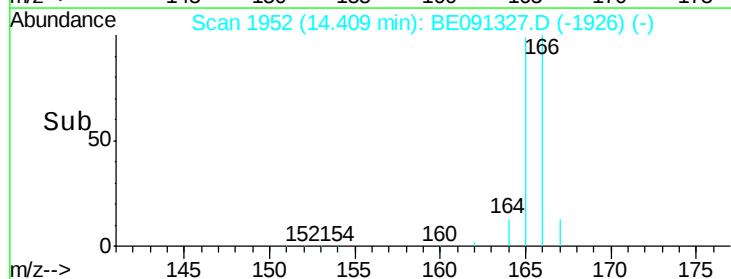
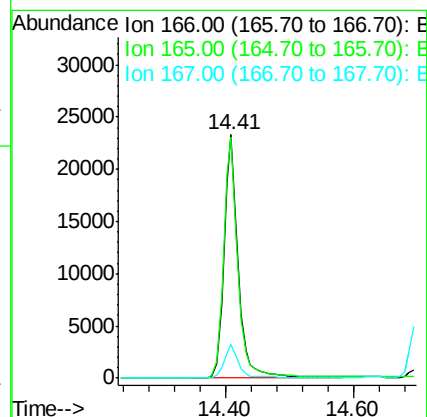
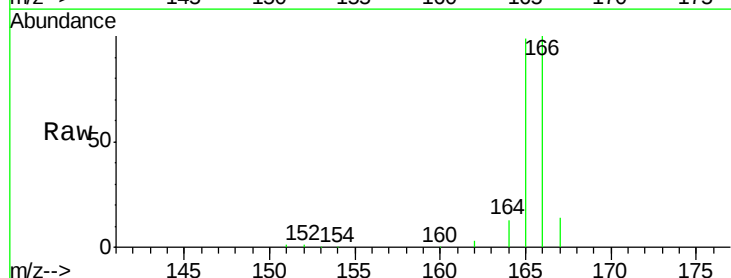
Tgt Ion:166 Resp: 35563

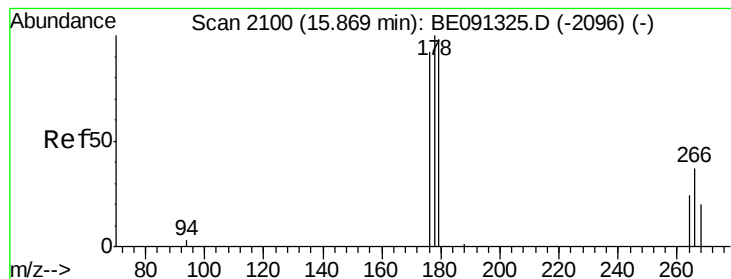
Ion Ratio Lower Upper

166 100

165 99.1 87.6 131.4

167 13.6 11.1 16.7

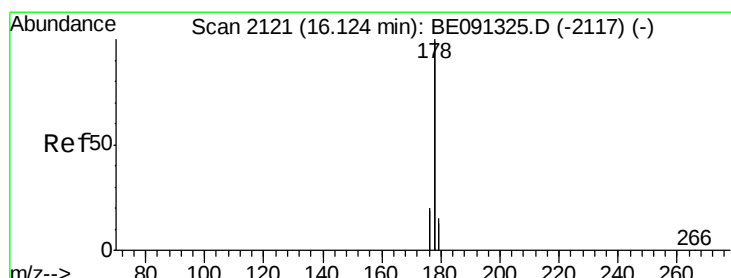
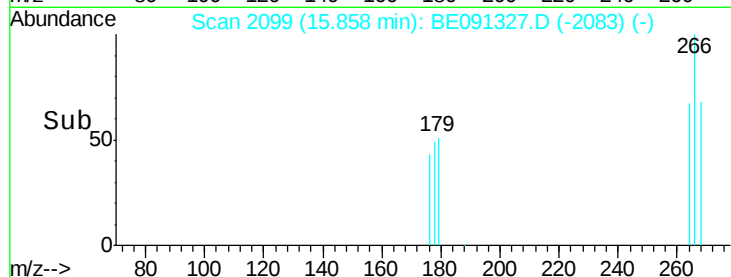
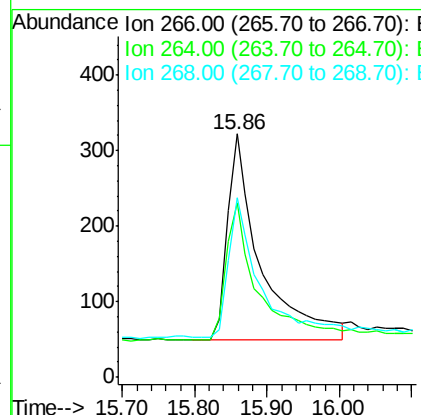
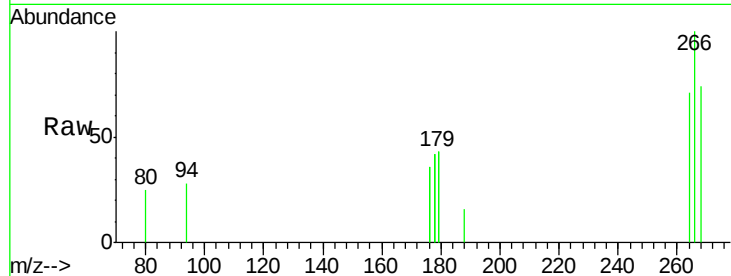




#13
 Pentachlorophenol
 Concen: 1.33 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: BE091327.D
 Acq: 1 Dec 2015 14:47

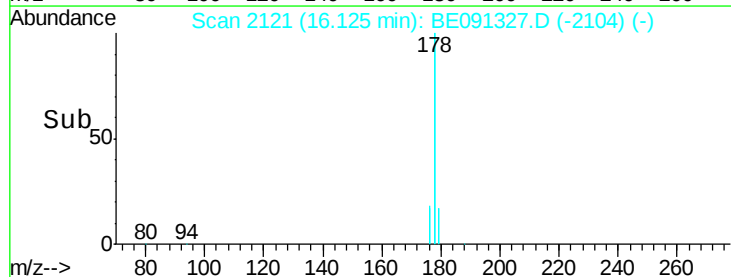
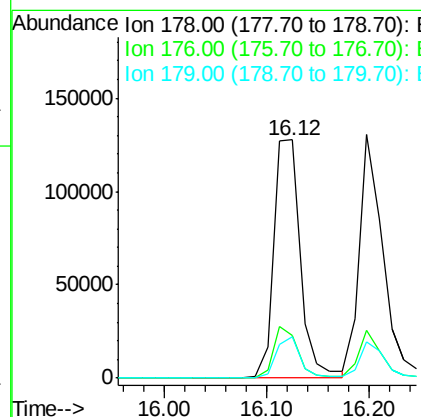
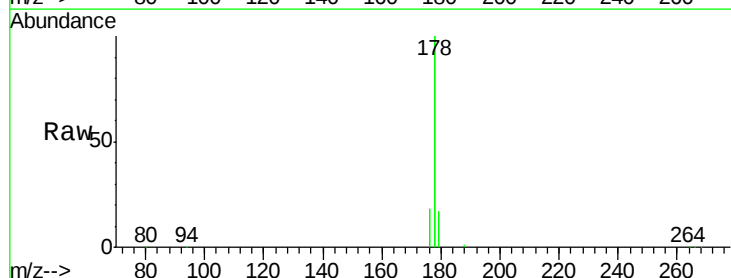
Instrument :
 BNA_E
 ClientSampleId :
 SSTD1.696

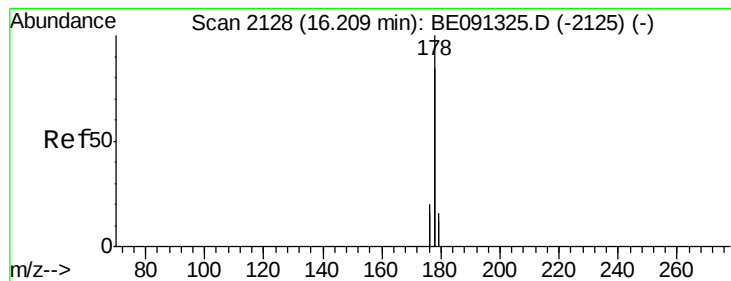
Tot Ion:	266	Resp:	880
Ion	Ratio	Lower	Upper
266	100		
264	63.7	53.5	80.3
268	66.9	54.2	81.2



#14
 Phenanthrene
 Concen: 1.56 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091327.D
 Acq: 1 Dec 2015 14:47

Tgt Ion:	178	Resp:	228482
Ion	Ratio	Lower	Upper
178	100		
176	17.7	16.2	24.4
179	17.3	12.8	19.2





#15

Anthracene

Concen: 1.67 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE091327.D

Acq: 1 Dec 2015 14:47

Instrument :

BNA_E

ClientSampleId :

SSTD1.696

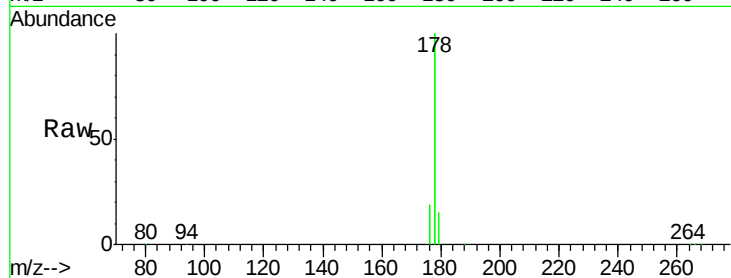
Tot Ion:178 Resp: 213945

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

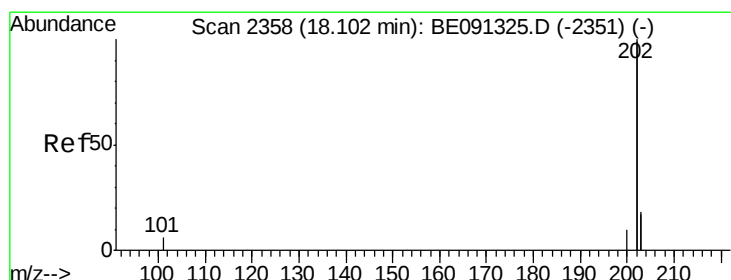
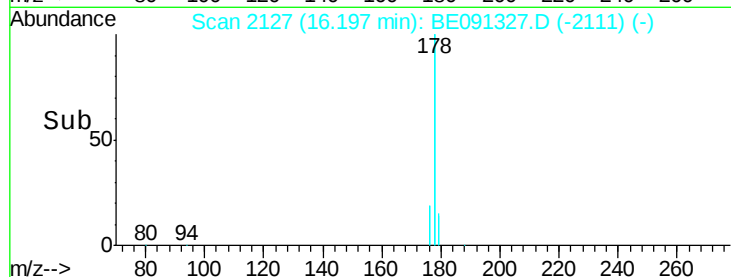
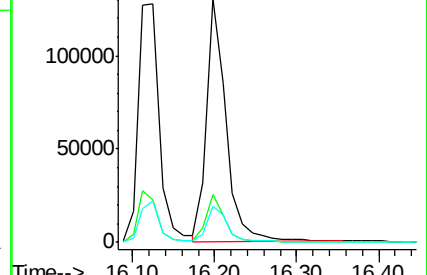
179 14.9 13.3 19.9



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: 1.85 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091327.D

Acq: 1 Dec 2015 14:47

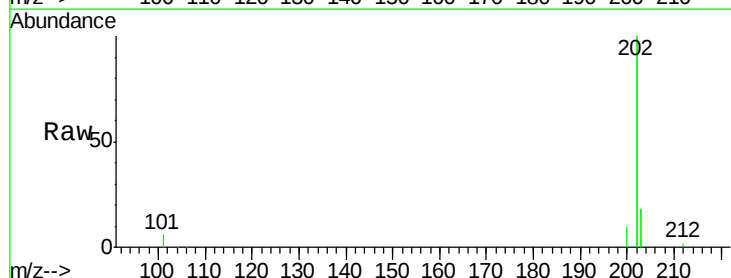
Tgt Ion:202 Resp: 282689

Ion Ratio Lower Upper

202 100

101 3.2 0.0 33.1

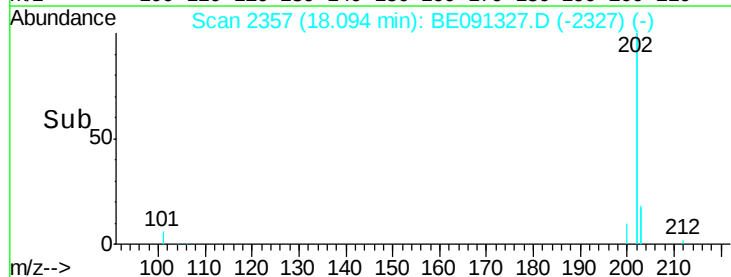
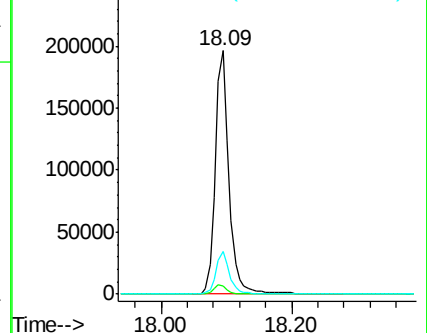
203 17.6 0.0 37.2

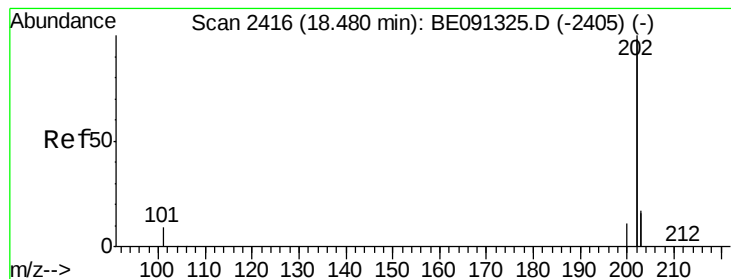


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 1.34 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE091327.D

Acq: 1 Dec 2015 14:47

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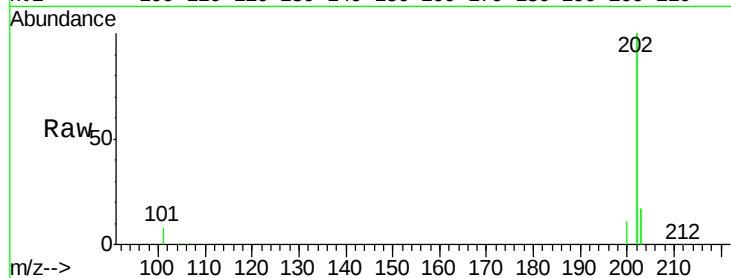
Tot Ion:202 Resp: 223018

Ion Ratio Lower Upper

202 100

200 5.3 18.0 27.0#

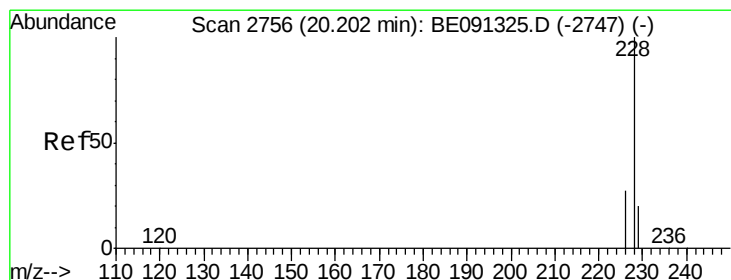
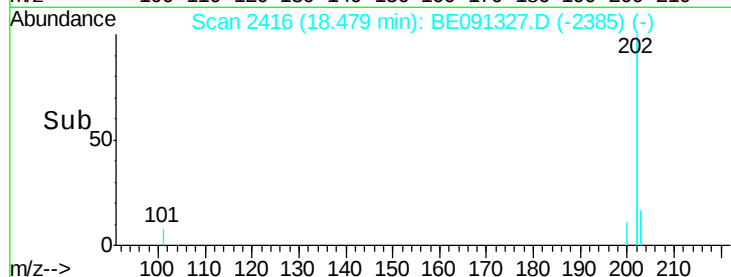
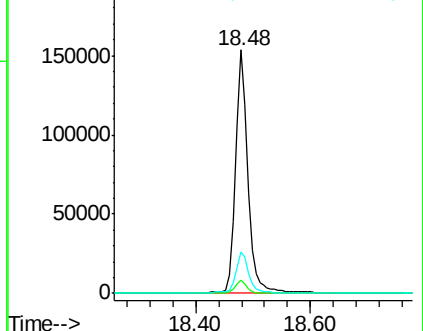
203 16.9 13.8 20.6



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: 1.47 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. -0.01 min

Lab File: BE091327.D

Acq: 1 Dec 2015 14:47

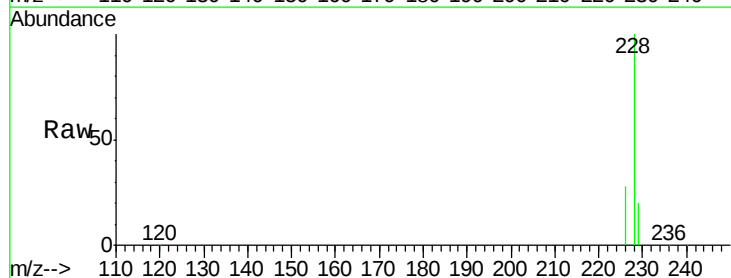
Tgt Ion:228 Resp: 46446

Ion Ratio Lower Upper

228 100

226 28.1 23.0 34.4

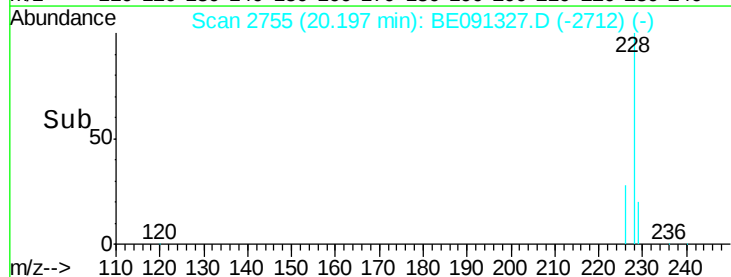
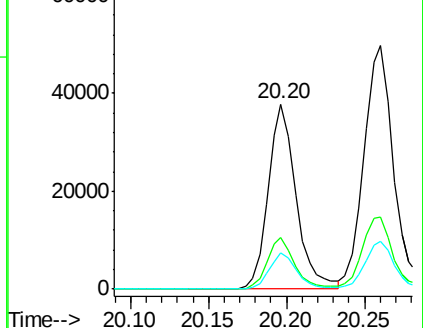
229 19.6 15.2 22.8

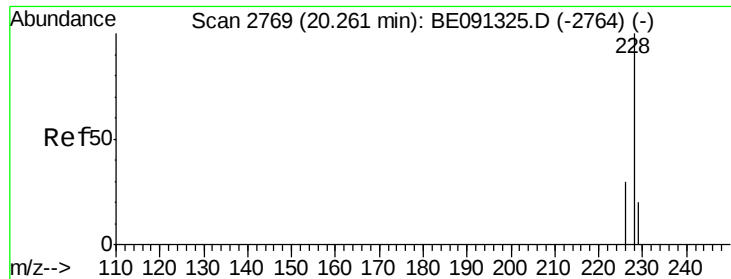


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 1.38 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE091327.D

Acq: 1 Dec 2015 14:47

Instrument :

BNA_E

ClientSampleId :

SSTD1.696

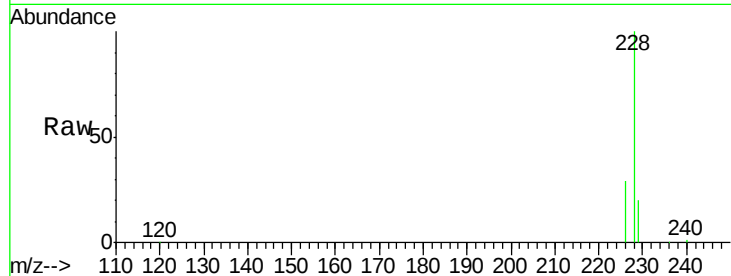
Tot Ion:228 Resp: 67435

Ion Ratio Lower Upper

228 100

226 29.4 25.7 38.5

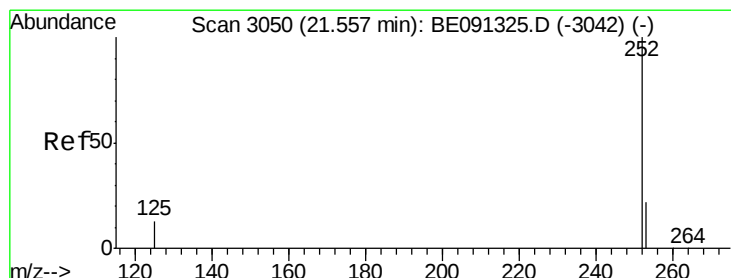
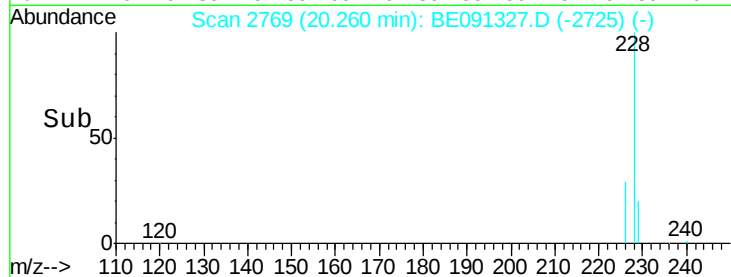
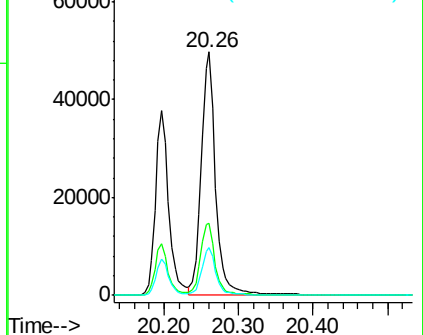
229 19.7 15.2 22.8



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: 1.78 ng/ul

RT: 21.55 min Scan# 3049

Delta R.T. -0.01 min

Lab File: BE091327.D

Acq: 1 Dec 2015 14:47

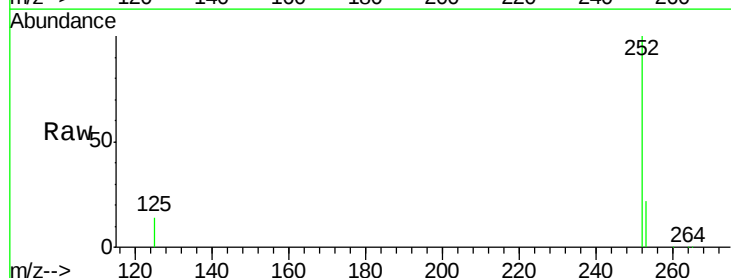
Tgt Ion:252 Resp: 53206

Ion Ratio Lower Upper

252 100

253 21.7 0.0 48.0

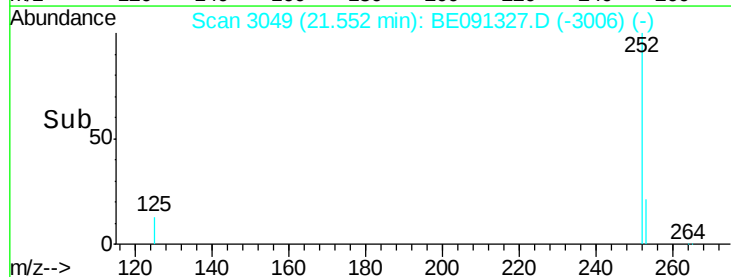
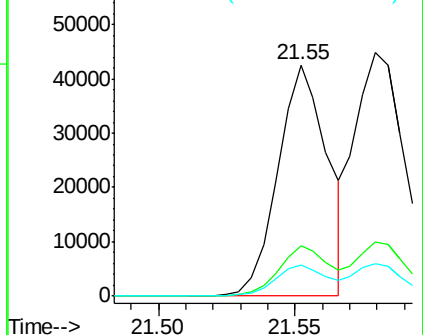
125 13.7 0.0 36.6

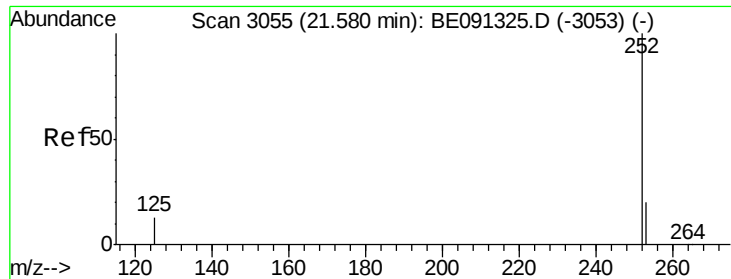


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

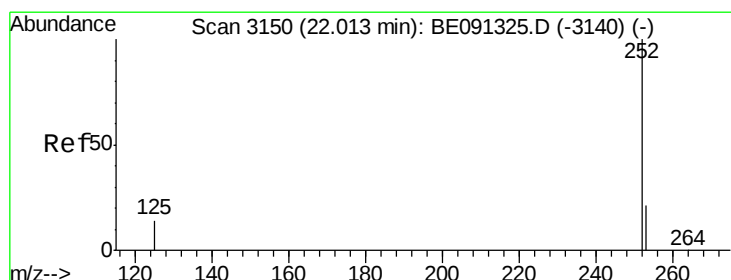
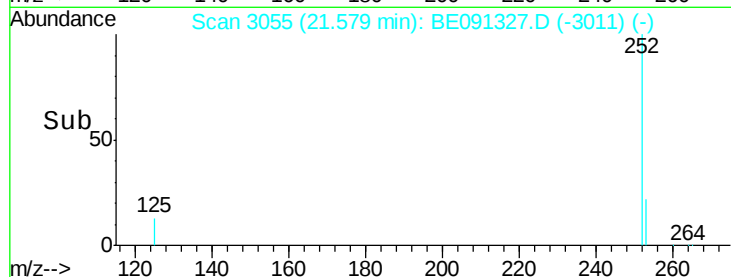
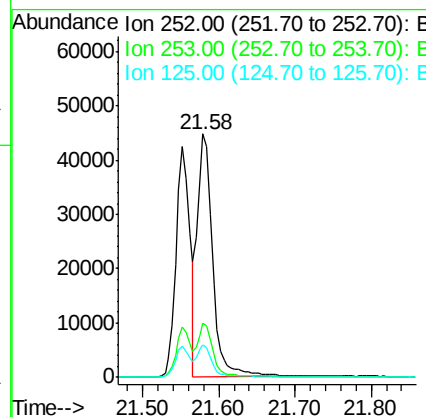
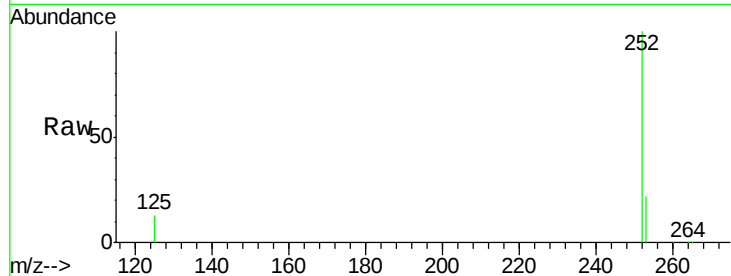




#24
Benzo(k)fluoranthene
Concen: 1.81 ng/ul
RT: 21.58 min Scan# 3055
Delta R.T. -0.00 min
Lab File: BE091327.D
Acq: 1 Dec 2015 14:47

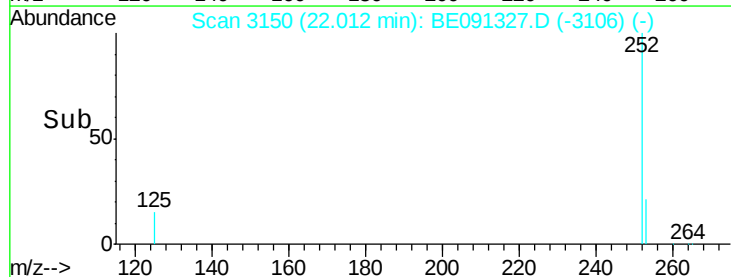
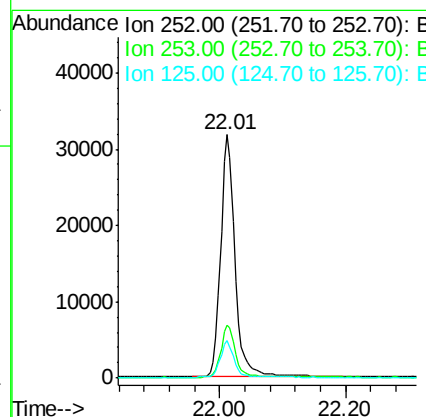
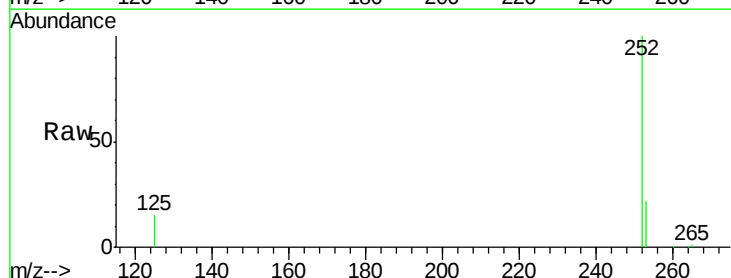
Instrument :
BNA_E
ClientSampleId :
SSTD1.696

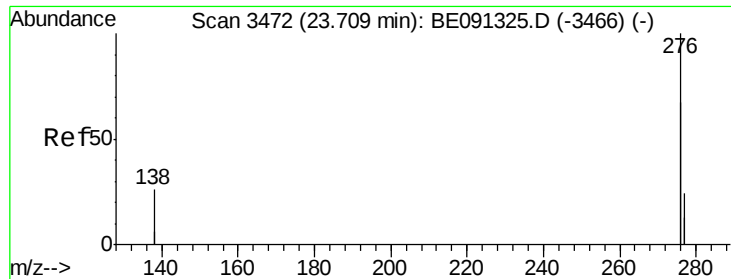
Tot Ion:252 Resp: 62150
Ion Ratio Lower Upper
252 100
253 22.2 20.8 31.2
125 13.5 12.2 18.4



#25
Benzo(a)pyrene
Concen: 1.75 ng/ul
RT: 22.01 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BE091327.D
Acq: 1 Dec 2015 14:47

Tgt Ion:252 Resp: 50446
Ion Ratio Lower Upper
252 100
253 21.8 21.8 32.8#
125 15.2 14.5 21.7

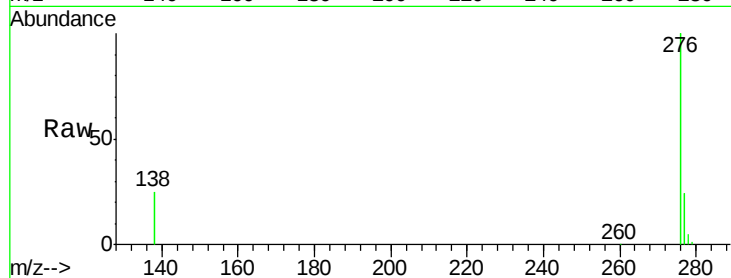




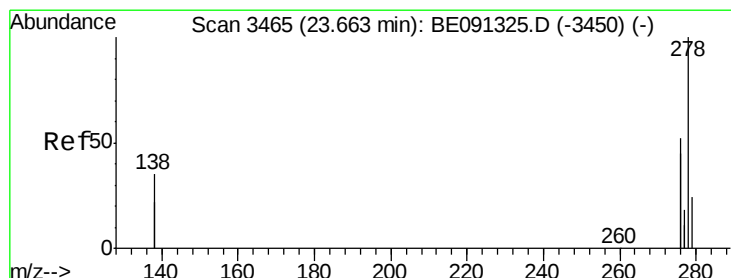
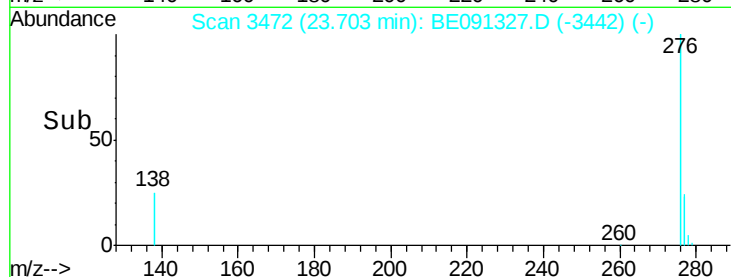
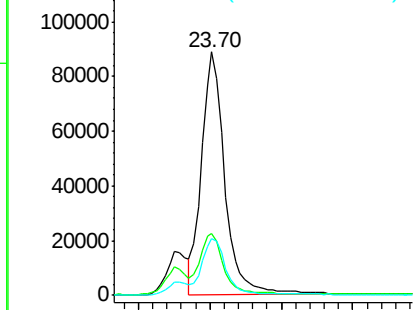
#26
Indeno(1,2,3-cd)pyrene
Concen: 1.75 ng/ul
RT: 23.70 min Scan# 3472
Delta R.T. -0.01 min
Lab File: BE091327.D
Acq: 1 Dec 2015 14:47

Instrument :
BNA_E
ClientSampleId :
SSTD1.696

Tot Ion:276 Resp: 199467
Ion Ratio Lower Upper
276 100
138 26.1 27.5 41.3#
277 24.1 19.3 28.9

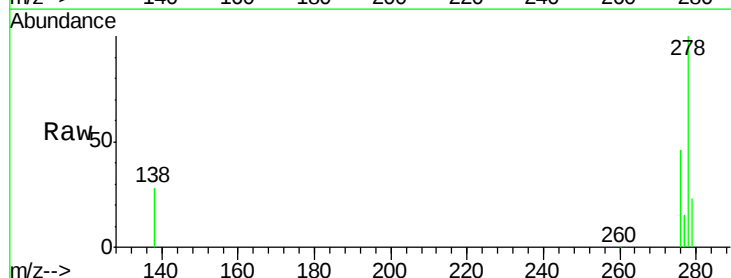


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

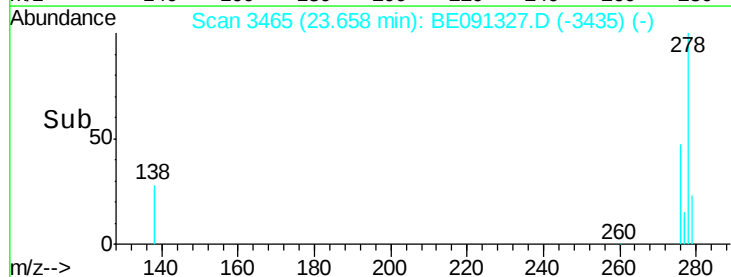
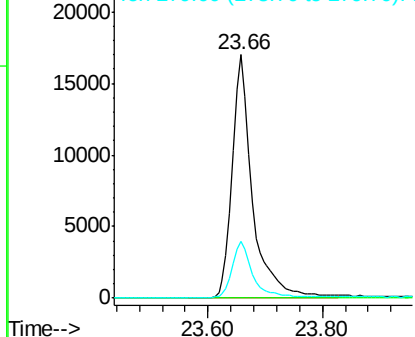


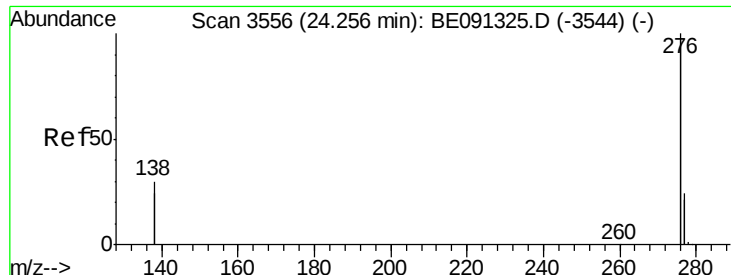
#27
Dibenzo(a,h)anthracene
Concen: 1.87 ng/ul
RT: 23.66 min Scan# 3465
Delta R.T. -0.01 min
Lab File: BE091327.D
Acq: 1 Dec 2015 14:47

Tgt Ion:278 Resp: 40826
Ion Ratio Lower Upper
278 100
139 0.0 21.7 32.5#
279 23.5 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(a,h,i)perylene

Concen: 1.67 ng/ul

RT: 24.25 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091327.D

Acq: 1 Dec 2015 14:47

Instrument :

BNA_E

ClientSampleId :

SSTD1.696

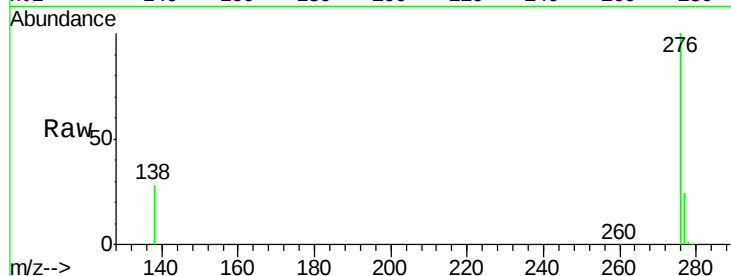
Tot Ion: 276 Resp: 196263

Ion Ratio Lower Upper

276 100

277 23.6 21.3 31.9

138 28.3 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

