

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120115\
 Data File : BE091326.D
 Acq On : 1 Dec 2015 14:08
 Operator : UM/NP
 Sample : SSTD0.895
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.895

Quant Time: Dec 01 14:53:50 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 14:51:05 2015
 Response via : Initial Calibration

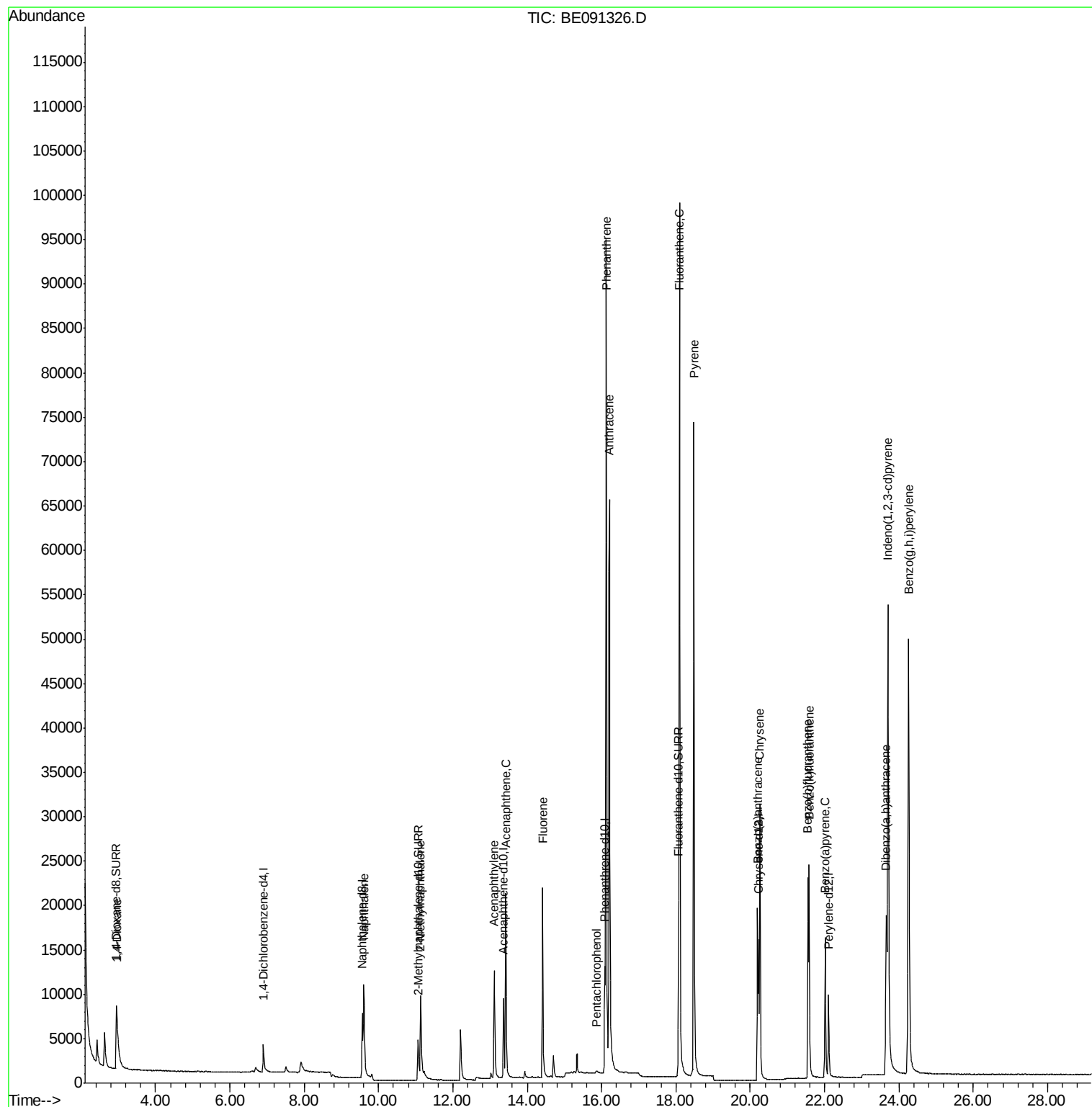
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	2448	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	11787	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	4794	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	15225	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	14834	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	10435	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.94	96	6039	0.67	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	11.06	152	8371	0.70	ng/ul	-0.01
16) Fluoranthene-d10	18.07	212	21779	0.71	ng/ul	0.00
Target Compounds					Ovalue	
3) 1,4-Dioxane	2.96	88	6733	0.68	ng/ul#	64
5) Naphthalene	9.61	128	17856	0.69	ng/ul	98
7) 2-Methylnaphthalene	11.13	142	9665	0.70	ng/ul	87
9) Acenaphthylene	13.12	152	16649	0.77	ng/ul	98
10) Acenaphthene	13.42	153	11922	0.76	ng/ul#	82
11) Fluorene	14.42	166	16440	0.82	ng/ul	91
13) Pentachlorophenol	15.86	266	400	0.53	ng/ul	91
14) Phenanthrene	16.13	178	111395	0.73	ng/ul	98
15) Anthracene	16.21	178	97275	0.74	ng/ul	97
17) Fluoranthene	18.09	202	121138	0.78	ng/ul	90
19) Pyrene	18.48	202	98445	0.67	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	18493	0.66	ng/ul	99
21) Chrysene	20.26	228	29767	0.70	ng/ul	97
23) Benzo(b)fluoranthene	21.55	252	21987	0.78	ng/ul	94
24) Benzo(k)fluoranthene	21.58	252	27459	0.87	ng/ul	93
25) Benzo(a)pyrene	22.01	252	20664	0.76	ng/ul	91
26) Indeno(1,2,3-cd)pyrene	23.70	276	84034	0.78	ng/ul#	92
27) Dibenzo(a,h)anthracene	23.66	278	16636	0.82	ng/ul#	71
28) Benzo(g,h,i)perylene	24.26	276	85803	0.77	ng/ul	93

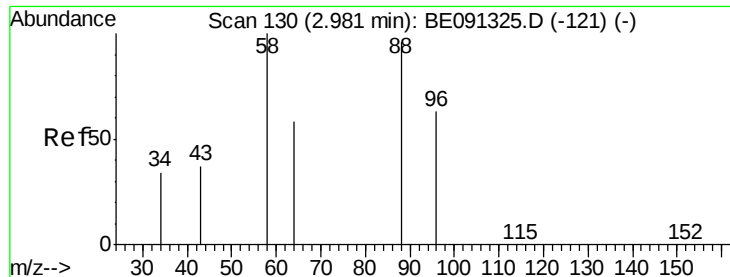
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.68 ng/ul

RT: 2.96 min Scan# 127

Delta R.T. -0.02 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.895

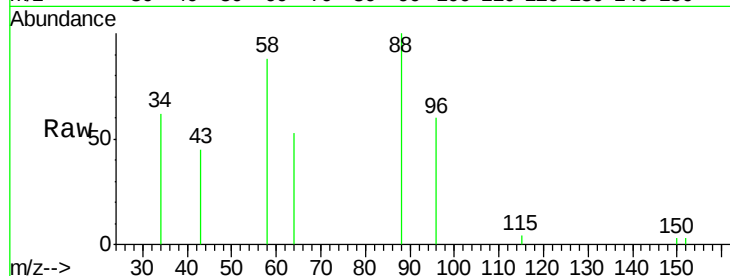
Tot Ion: 88 Resp: 6733

Ion Ratio Lower Upper

88 100

58 103.0 55.4 83.2#

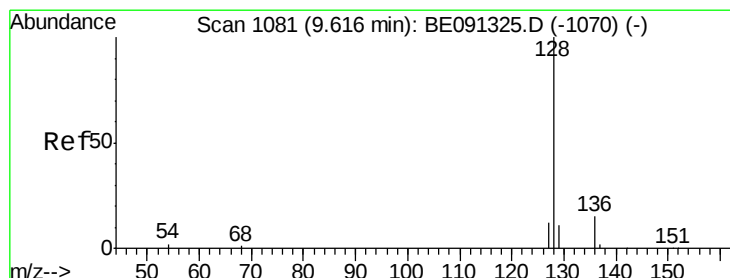
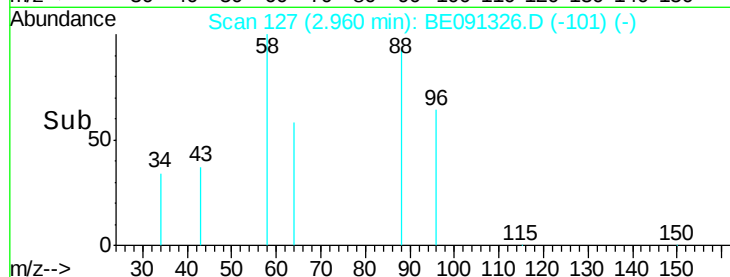
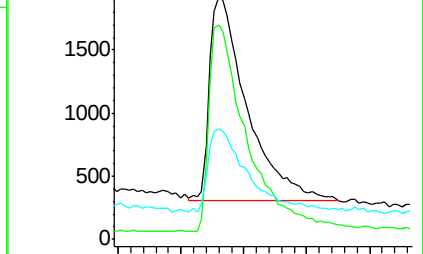
43 43.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091326.D (-101) (-)

Ion 58.00 (57.70 to 58.70): BE091326.D (-101) (-)

Ion 43.00 (42.70 to 43.70): BE091326.D (-101) (-)



#5

Naphthalene

Concen: 0.69 ng/ul

RT: 9.61 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

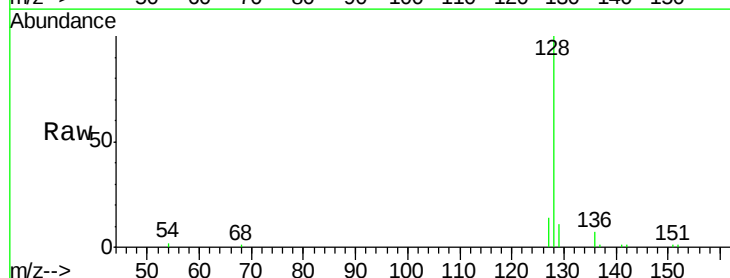
Tgt Ion: 128 Resp: 17856

Ion Ratio Lower Upper

128 100

129 11.2 9.8 14.8

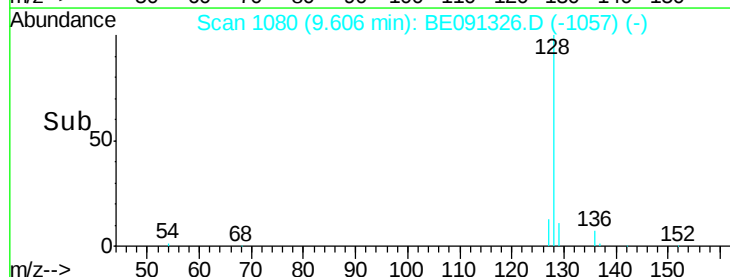
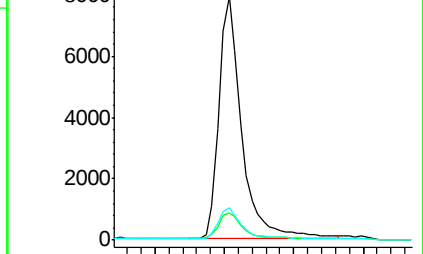
127 13.6 10.7 16.1

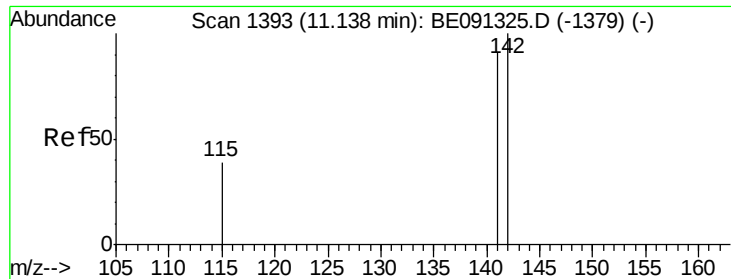


Abundance Ion 128.00 (127.70 to 128.70): BE091326.D (-1057) (-)

Ion 129.00 (128.70 to 129.70): BE091326.D (-1057) (-)

Ion 127.00 (126.70 to 127.70): BE091326.D (-1057) (-)





#7

2-Methylnaphthalene

Concen: 0.70 ng/ul

RT: 11.13 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

Instrument :

BNA_E

ClientSampleId :

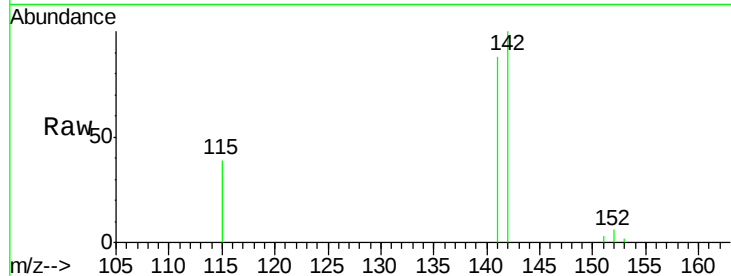
SSTD0.895

Tot Ion:142 Resp: 9665

Ion Ratio Lower Upper

142 100

141 100.1 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

4000

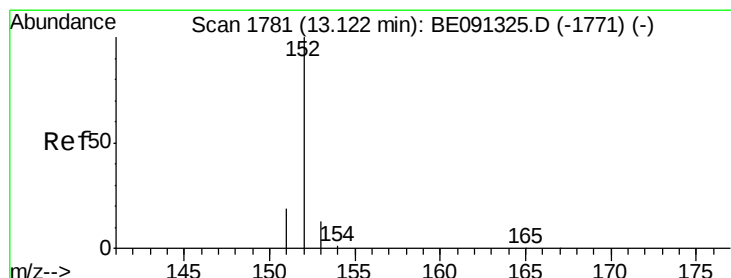
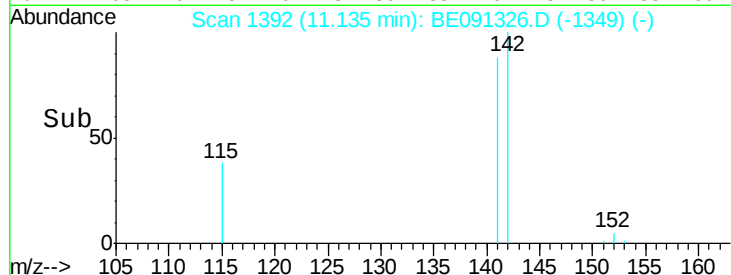
3000

2000

1000

0

Time--> 11.10 11.20



#9

Acenaphthylene

Concen: 0.77 ng/ul

RT: 13.12 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

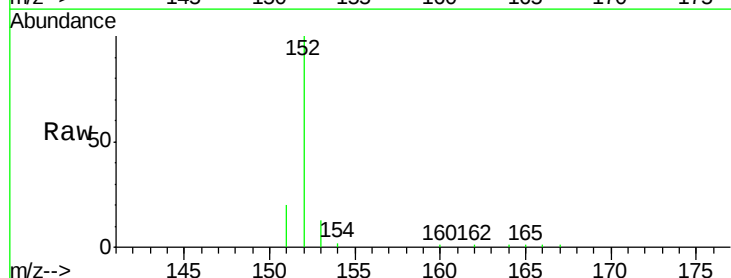
Tgt Ion:152 Resp: 16649

Ion Ratio Lower Upper

152 100

151 19.9 16.8 25.2

153 13.4 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

13.12

12000

10000

8000

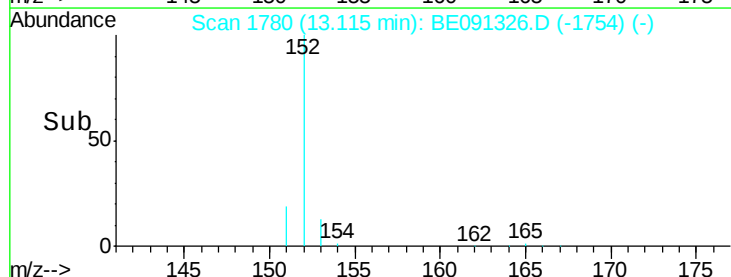
6000

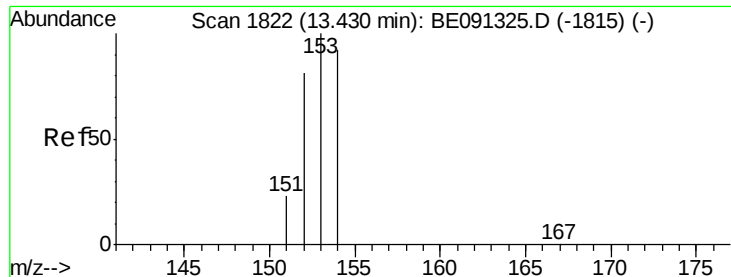
4000

2000

0

Time--> 13.00 13.20





#10

Acenaphthene

Concen: 0.76 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.895

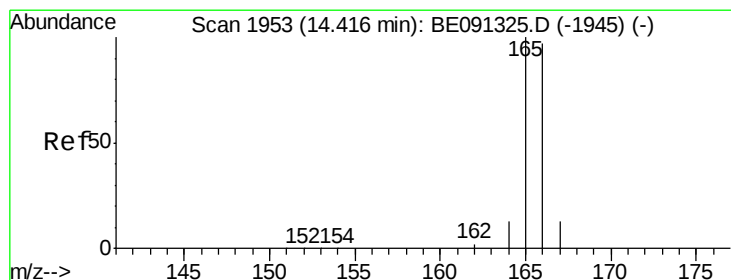
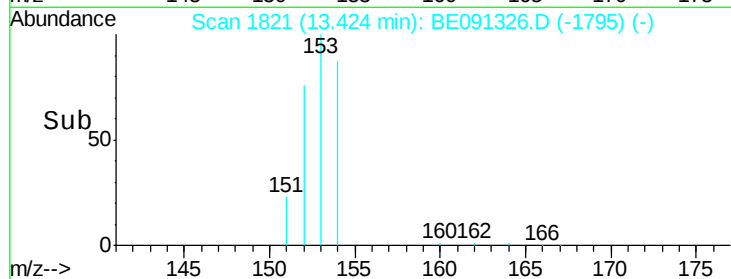
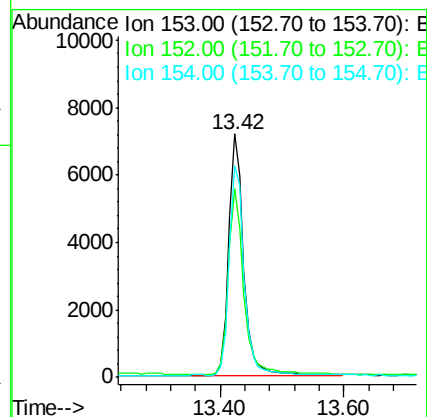
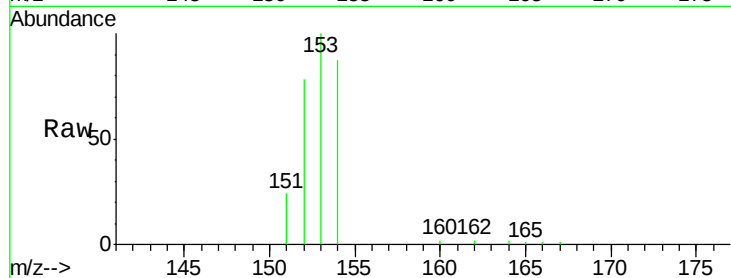
Tot Ion:153 Resp: 11922

Ion Ratio Lower Upper

153 100

152 77.7 42.3 63.5#

154 87.2 64.7 97.1



#11

Fluorene

Concen: 0.82 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

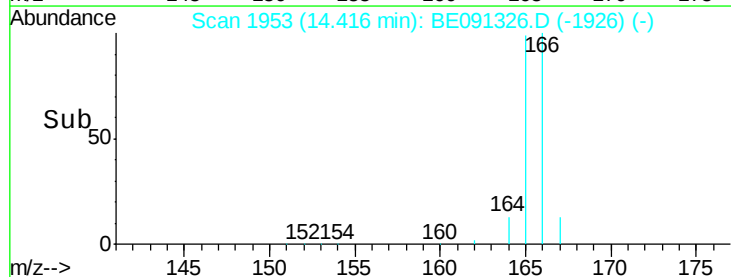
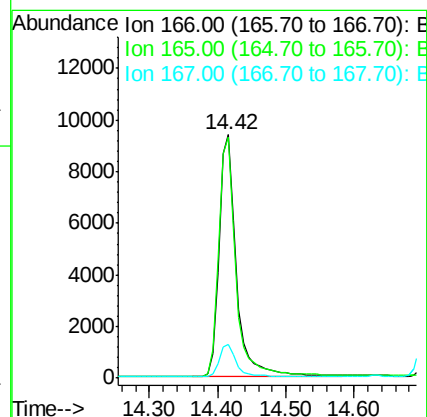
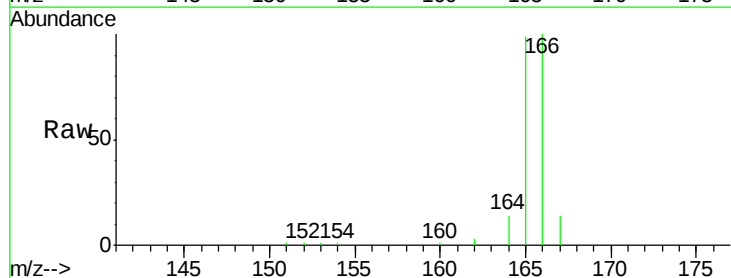
Tgt Ion:166 Resp: 16440

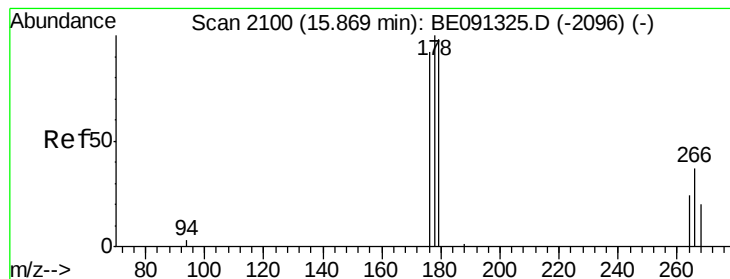
Ion Ratio Lower Upper

166 100

165 98.9 87.6 131.4

167 13.6 11.1 16.7

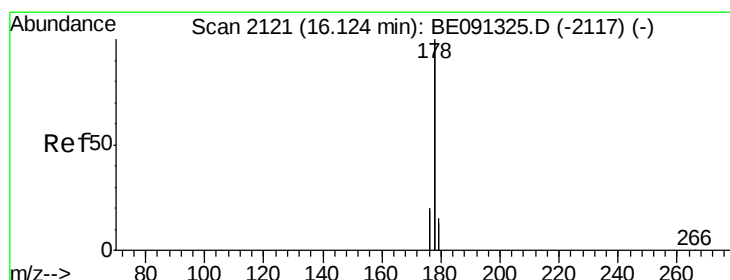
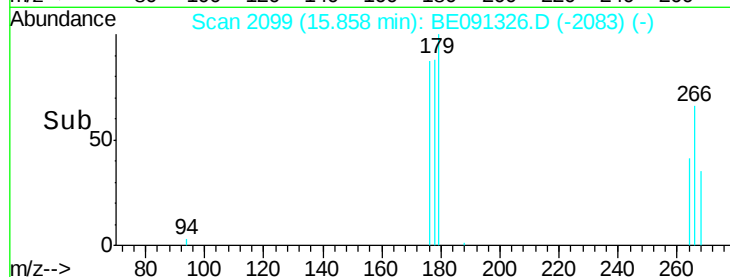
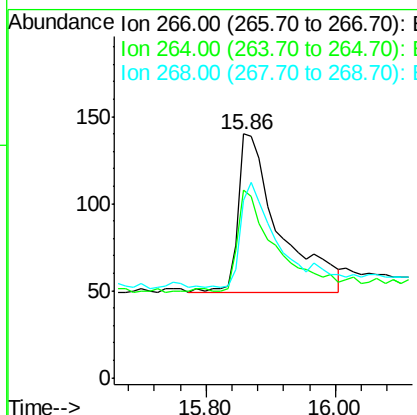
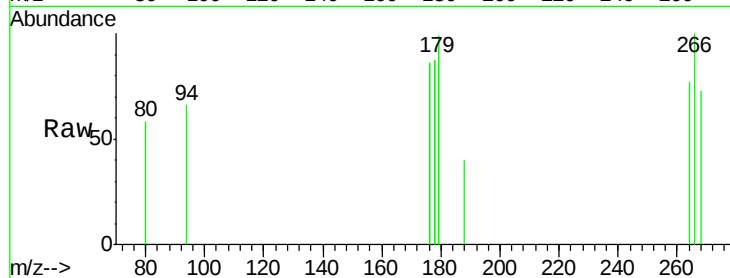




#13
 Pentachlorophenol
 Concen: 0.53 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: BE091326.D
 Acq: 1 Dec 2015 14:08

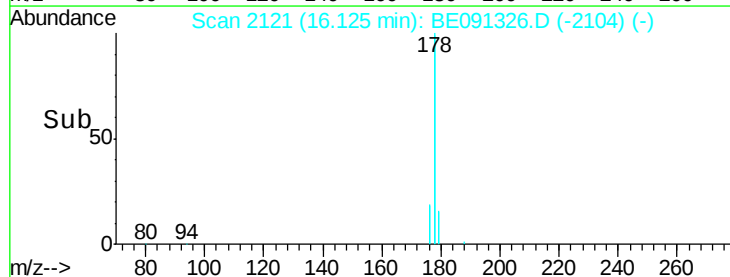
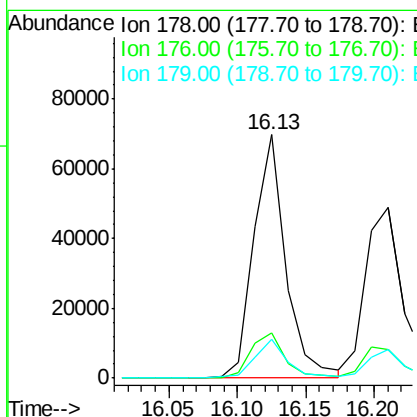
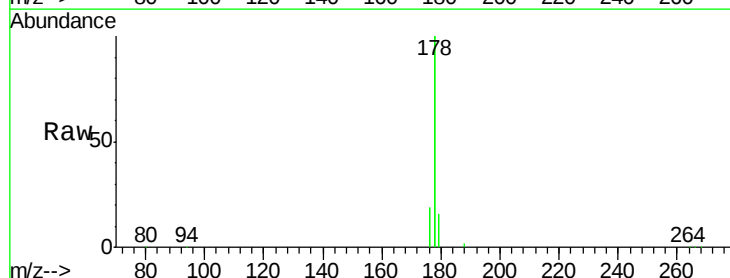
Instrument :
 BNA_E
 ClientSampleId :
 SST0.895

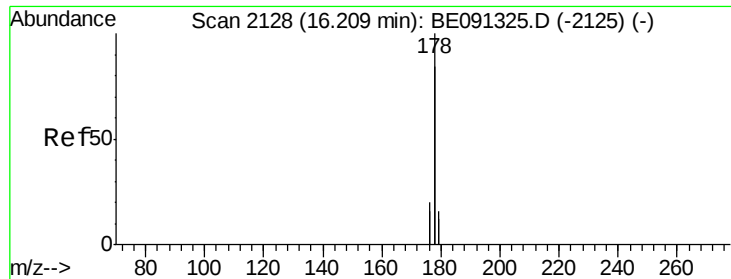
Tot Ion:	266	Resp:	400
Ion	Ratio	Lower	Upper
266	100		
264	58.8	53.5	80.3
268	61.0	54.2	81.2



#14
 Phenanthrene
 Concen: 0.73 ng/ul
 RT: 16.13 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091326.D
 Acq: 1 Dec 2015 14:08

Tgt Ion:	178	Resp:	111395
Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	16.0	12.8	19.2





#15

Anthracene

Concen: 0.74 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.895

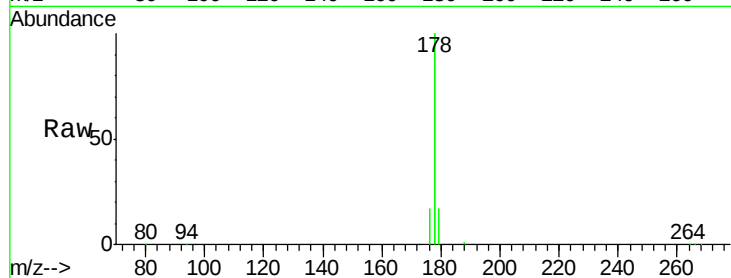
Tot Ion:178 Resp: 97275

Ion Ratio Lower Upper

178 100

176 17.0 15.8 23.8

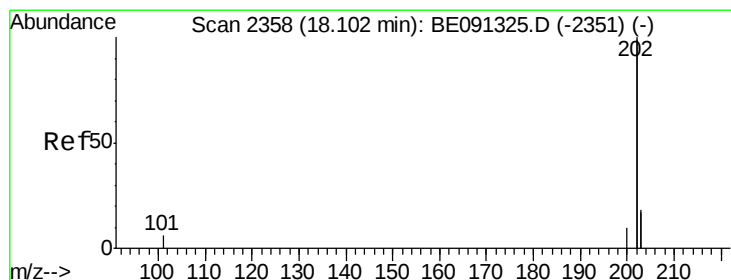
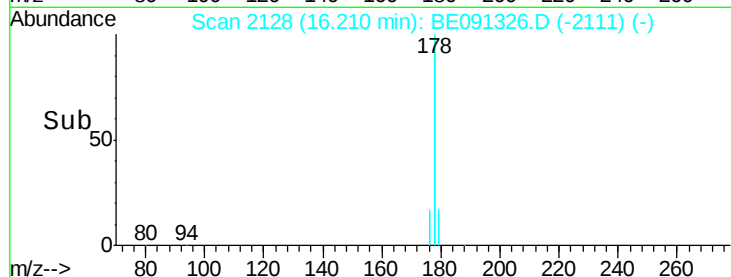
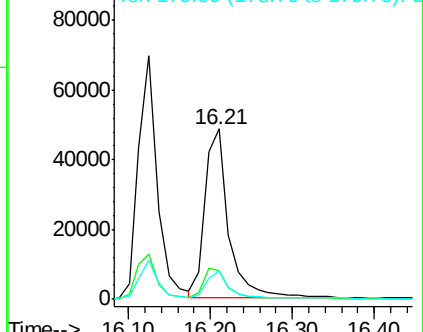
179 16.5 13.3 19.9



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: 0.78 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

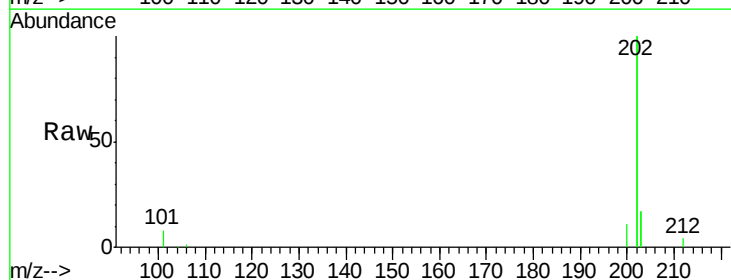
Tgt Ion:202 Resp: 121138

Ion Ratio Lower Upper

202 100

101 3.8 0.0 33.1

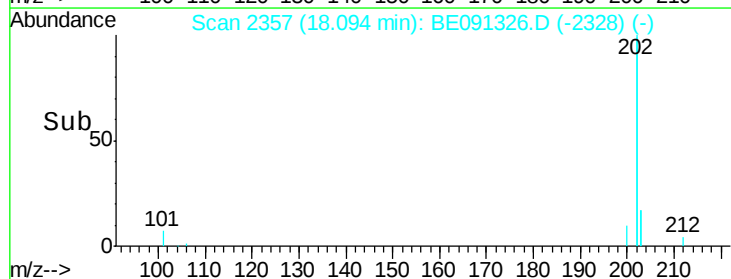
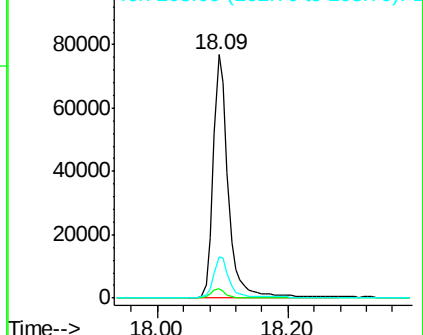
203 17.1 0.0 37.2

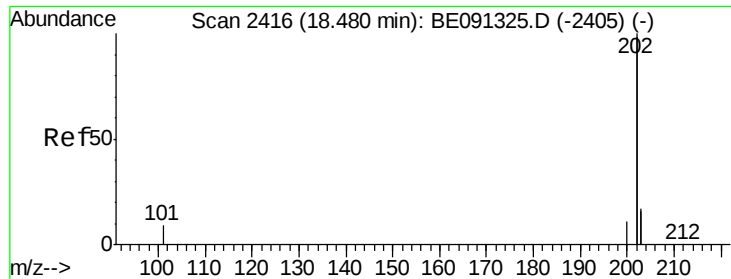


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.67 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.895

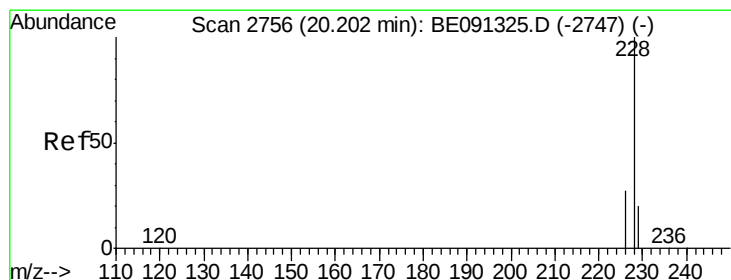
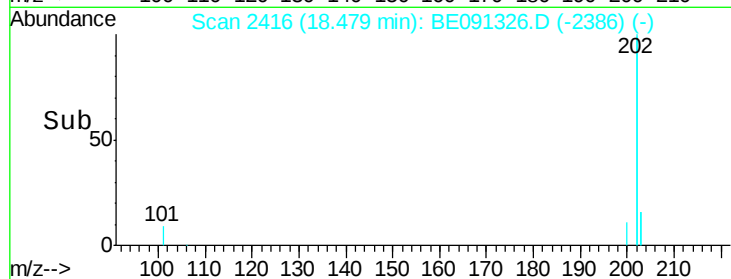
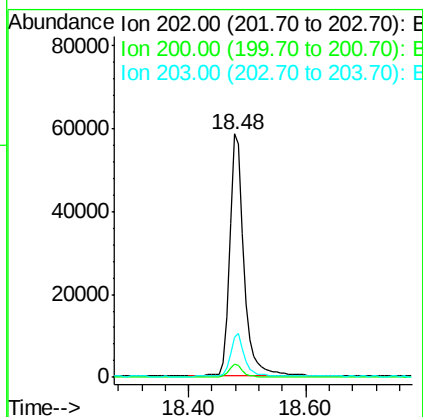
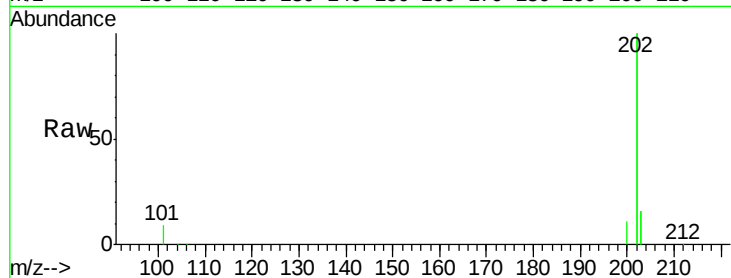
Tot Ion:202 Resp: 98445

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

203 16.4 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.66 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. -0.01 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

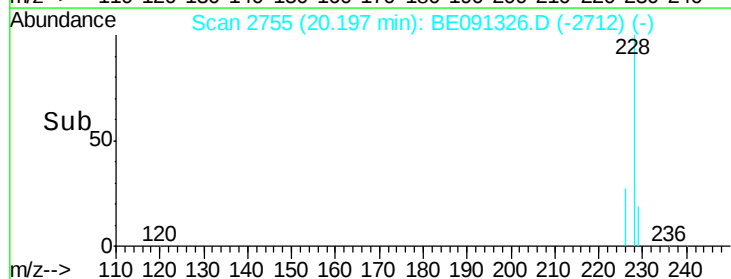
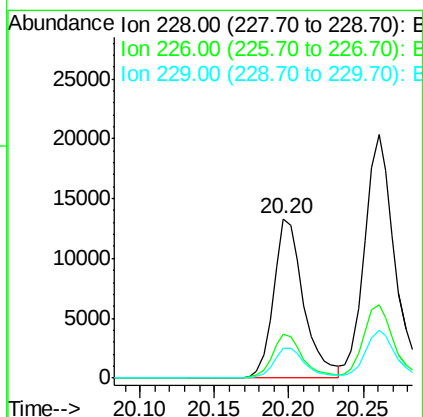
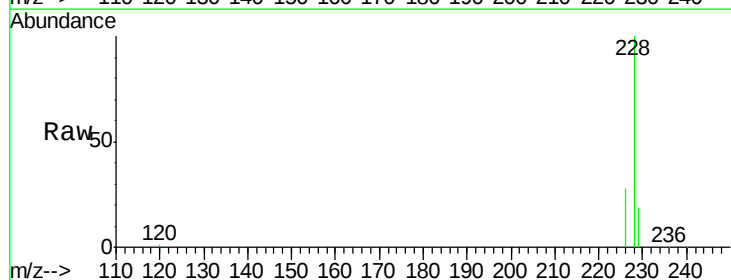
Tgt Ion:228 Resp: 18493

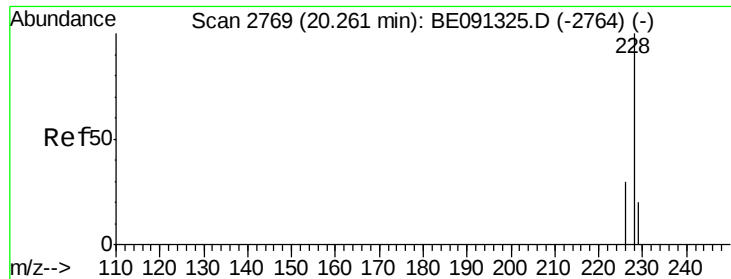
Ion Ratio Lower Upper

228 100

226 27.6 23.0 34.4

229 19.0 15.2 22.8





#21

Chrysene

Concen: 0.70 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.895

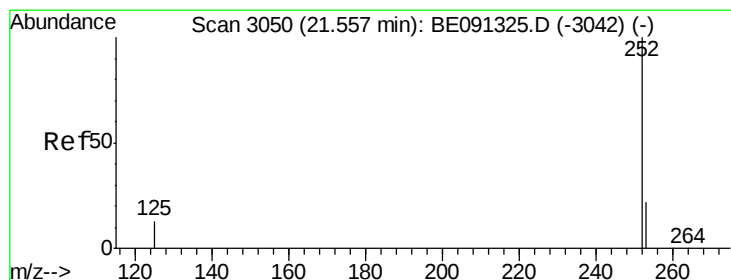
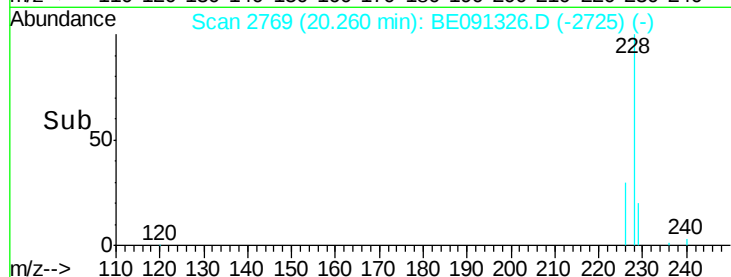
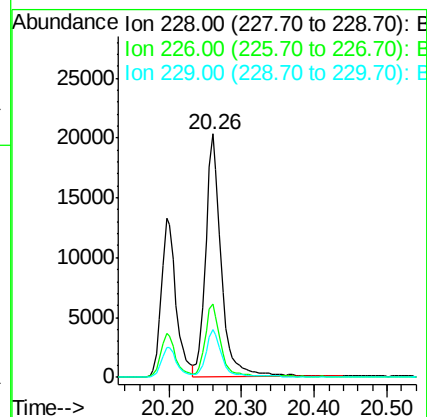
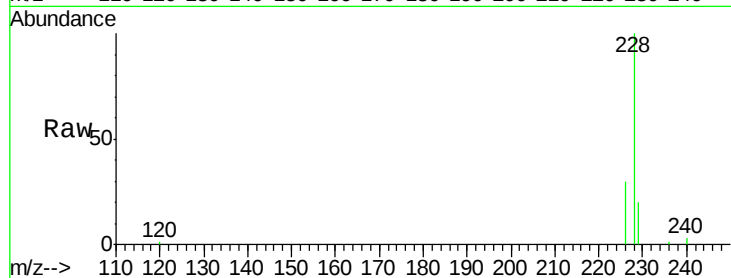
Tot Ion:228 Resp: 29767

Ion Ratio Lower Upper

228 100

226 30.0 25.7 38.5

229 19.7 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.78 ng/ul

RT: 21.55 min Scan# 3049

Delta R.T. -0.01 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

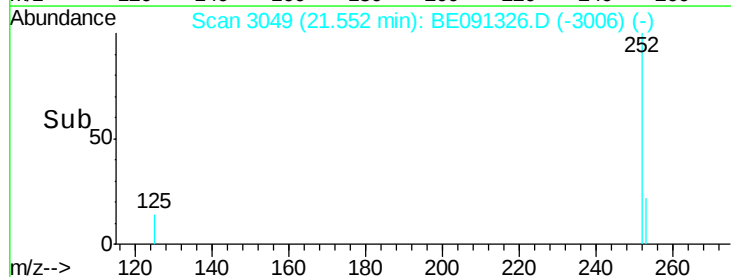
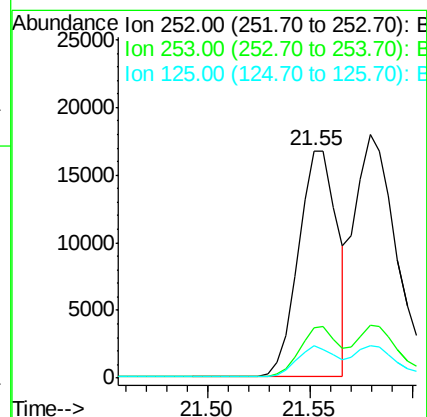
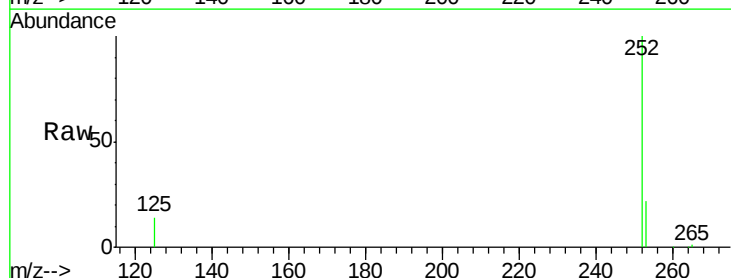
Tgt Ion:252 Resp: 21987

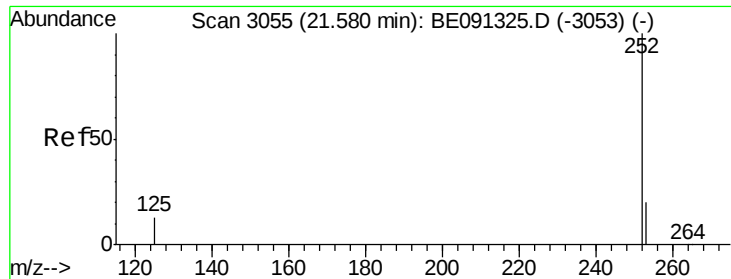
Ion Ratio Lower Upper

252 100

253 22.0 0.0 48.0

125 14.0 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.87 ng/ul

RT: 21.58 min Scan# 3055

Delta R.T. -0.00 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.895

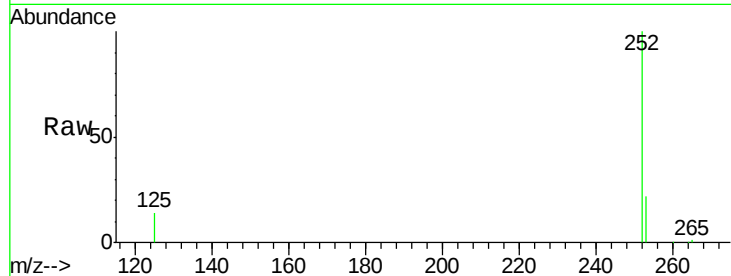
Tot Ion:252 Resp: 27459

Ion Ratio Lower Upper

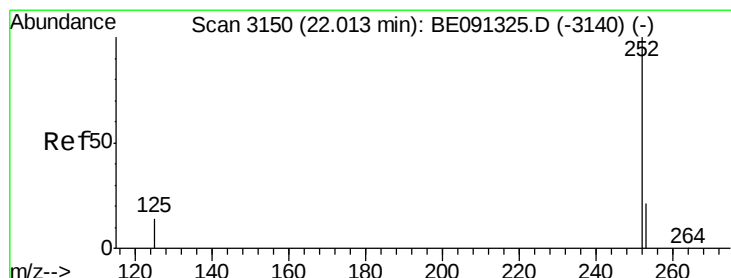
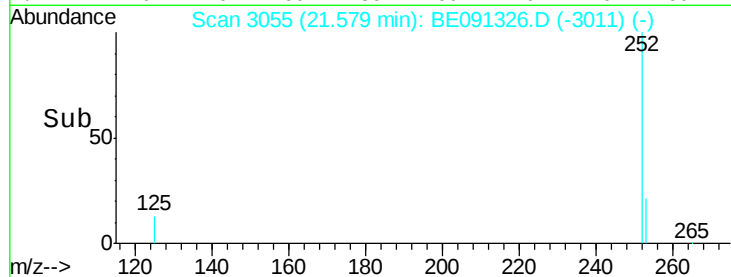
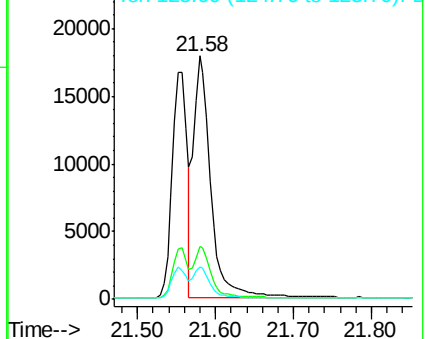
252 100

253 21.9 20.8 31.2

125 13.5 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: 0.76 ng/ul

RT: 22.01 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

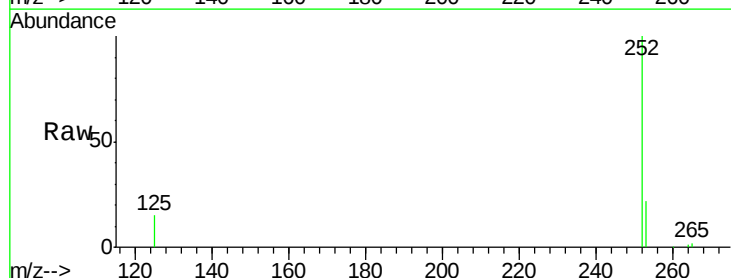
Tgt Ion:252 Resp: 20664

Ion Ratio Lower Upper

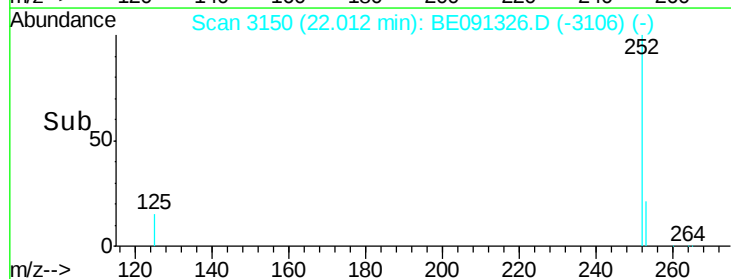
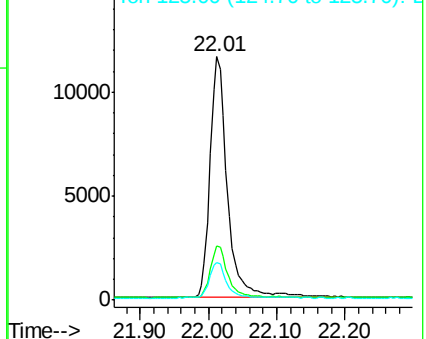
252 100

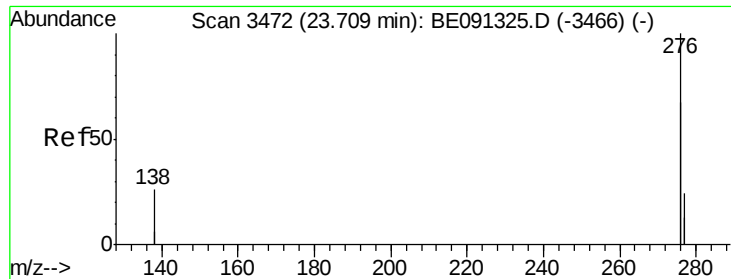
253 22.1 21.8 32.8

125 15.3 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

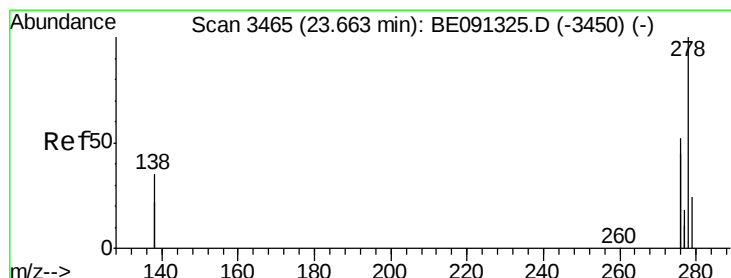
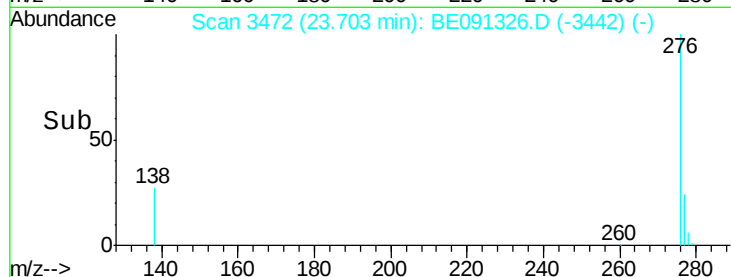
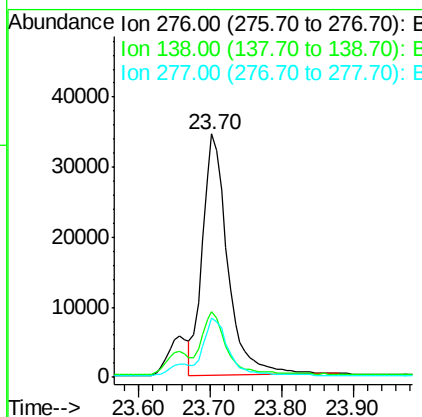
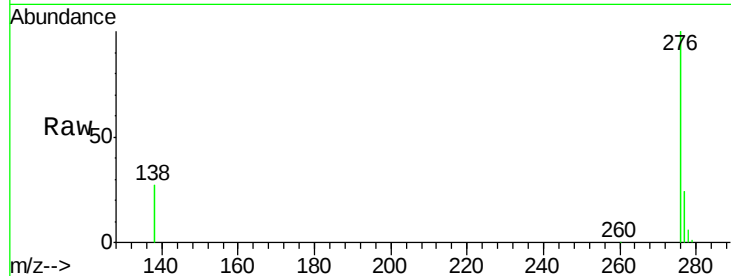




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.78 ng/ul
 RT: 23.70 min Scan# 3472
 Delta R.T. -0.01 min
 Lab File: BE091326.D
 Acq: 1 Dec 2015 14:08

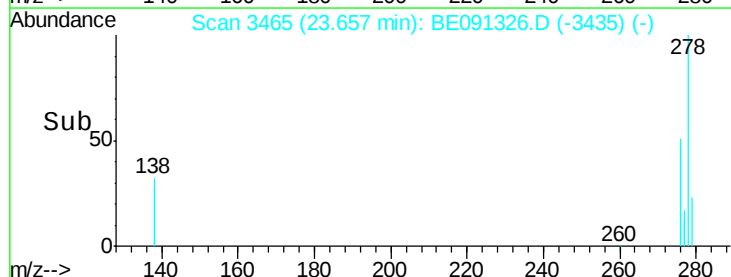
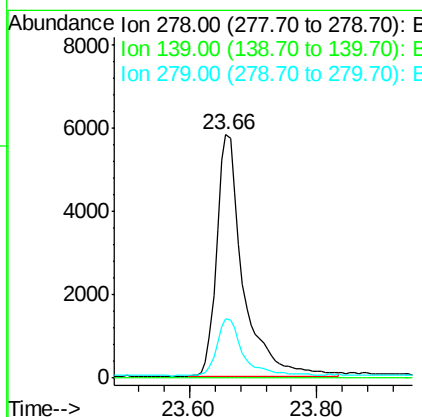
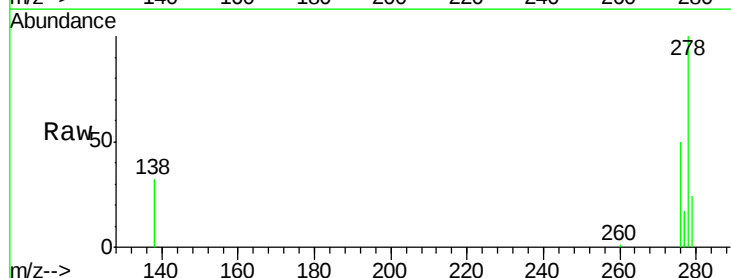
Instrument :
 BNA_E
 ClientSampleId :
 SST0.895

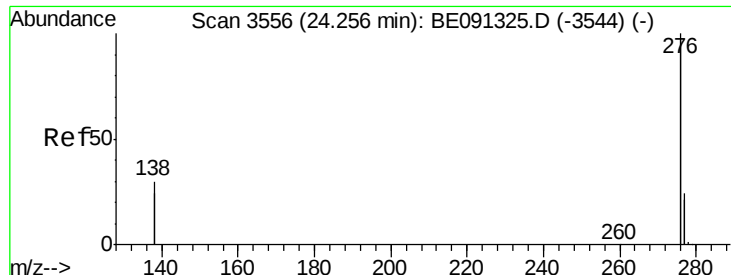
Tot Ion:276 Resp: 84034
 Ion Ratio Lower Upper
 276 100
 138 26.4 27.5 41.3#
 277 24.2 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.82 ng/ul
 RT: 23.66 min Scan# 3465
 Delta R.T. -0.01 min
 Lab File: BE091326.D
 Acq: 1 Dec 2015 14:08

Tgt Ion:278 Resp: 16636
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 24.1 21.9 32.9





#28

Benzo(a,h,i)perylene

Concen: 0.77 ng/ul

RT: 24.26 min Scan# 3557

Delta R.T. 0.00 min

Lab File: BE091326.D

Acq: 1 Dec 2015 14:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.895

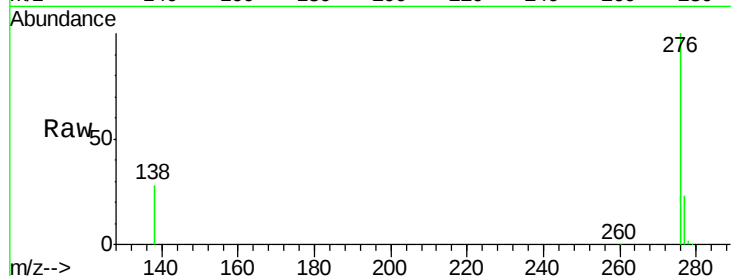
Tot Ion: 276 Resp: 85803

Ion Ratio Lower Upper

276 100

277 23.3 21.3 31.9

138 28.0 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

