

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101215\
 Data File : BE091000.D
 Acq On : 12 Oct 2015 18:38
 Operator : UM/IZ
 Sample : SSTD0.167
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.167

Quant Time: Oct 13 07:08:39 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE101215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 13 07:04:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	4452	0.40	ng/ul	0.00
2) Naphthalene-d8	9.63	136	20015	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.45	164	11255	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.17	188	29306	0.40	ng/ul	0.00
16) Chrysene-d12	20.33	240	37250	0.40	ng/ul	0.00
20) Perylene-d12	22.24	264	37706	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	13.20	152	21331	0.32	ng/ul	0.00
14) Fluoranthene-d10	18.17	212	8266	0.11	ng/ul	0.00

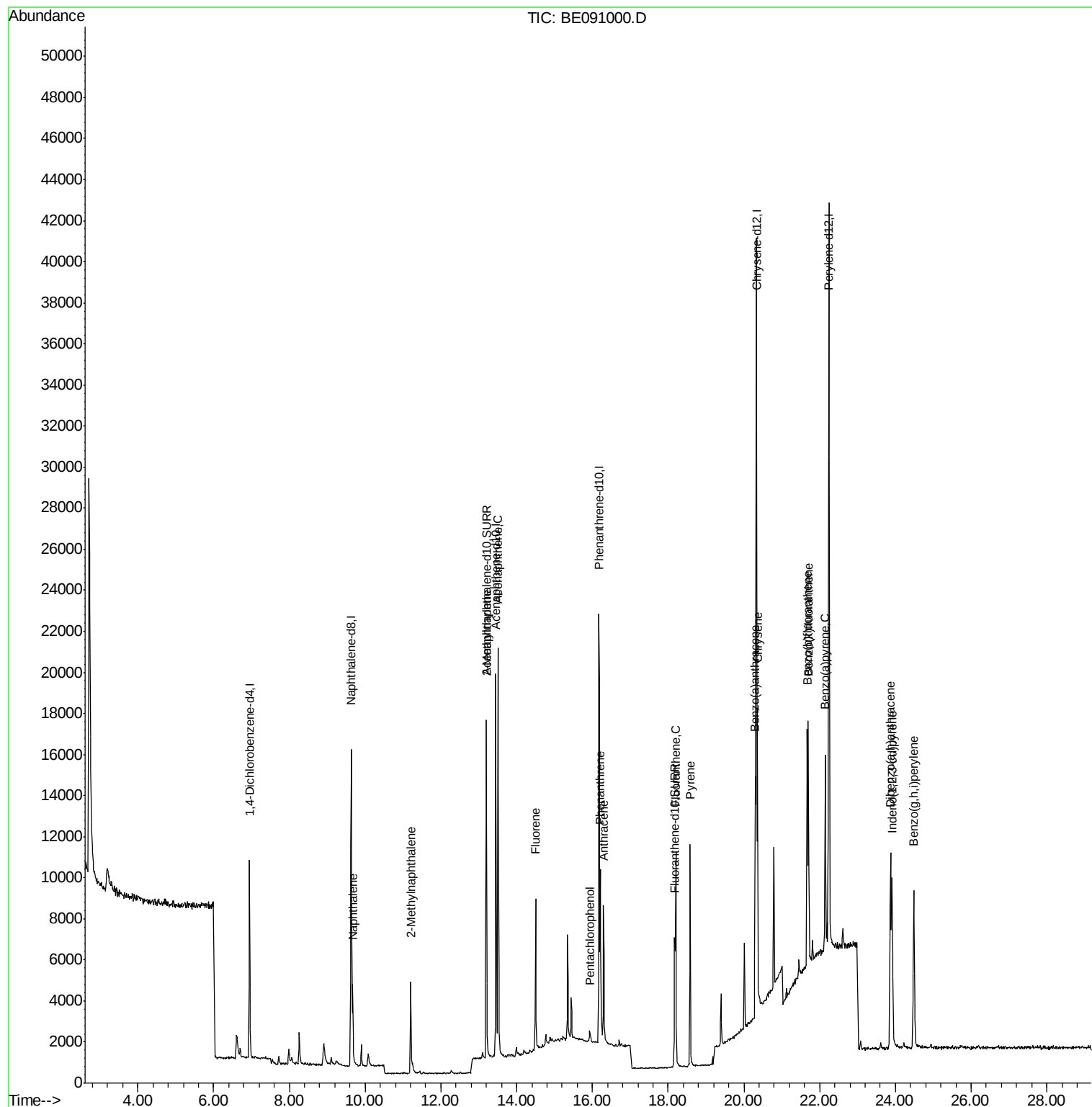
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	9.67	128	4991	0.09	ng/ul#	93
5) 2-Methylnaphthalene	11.21	142	3359	0.09	ng/ul	99
7) Acenaphthylene	13.20	152	21331	0.27	ng/ul	96
8) Acenaphthene	13.51	153	15994	0.25	ng/ul	98
9) Fluorene	14.50	166	4868	0.10	ng/ul#	93
11) Pentachlorophenol	15.93	266	352	0.16	ng/ul#	49
12) Phenanthrene	16.21	178	8662	0.10	ng/ul	98
13) Anthracene	16.29	178	8139	0.10	ng/ul	96
15) Fluoranthene	18.20	202	10074	0.10	ng/ul	97
17) Pyrene	18.58	202	10443	0.08	ng/ul	98
18) Benzo(a)anthracene	20.30	228	10467	0.09	ng/ul	97
19) Chrysene	20.36	228	11252	0.09	ng/ul	98
21) Benzo(b)fluoranthene	21.67	252	12074	0.09	ng/ul	78
22) Benzo(k)fluoranthene	21.70	252	11480	0.09	ng/ul#	81
23) Benzo(a)pyrene	22.14	252	10908	0.09	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	23.92	276	14216	0.11	ng/ul#	93
25) Dibenzo(a,h)anthracene	23.87	278	11679	0.11	ng/ul#	90
26) Benzo(g,h,i)perylene	24.49	276	12509	0.11	ng/ul#	90

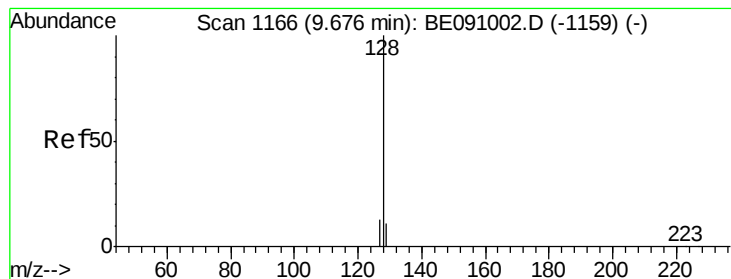
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 2 Sample Multiplier: 1

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#3

Naphthalene

Concen: 0.09 ng/ul

RT: 9.67 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BE091000.D

Acq: 12 Oct 2015 18:38

Instrument :

BNA_E

ClientSampleId :

SSTD0.167

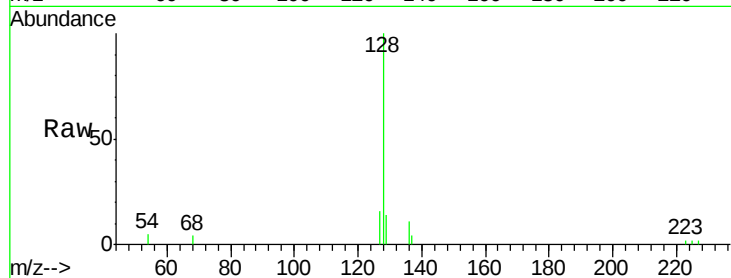
Tot Ion:128 Resp: 4991

Ion Ratio Lower Upper

128 100

129 14.2 9.3 13.9#

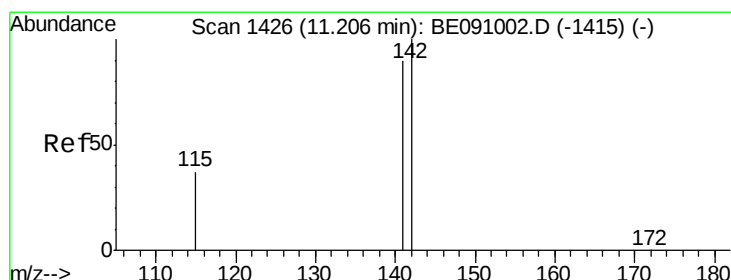
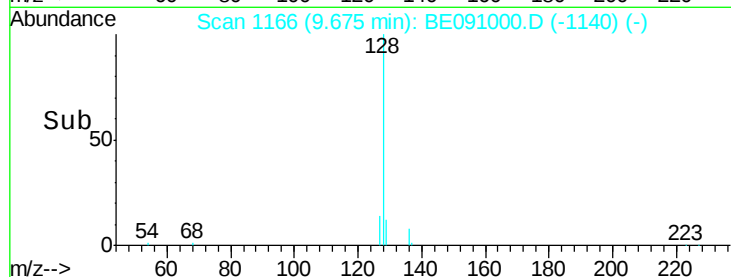
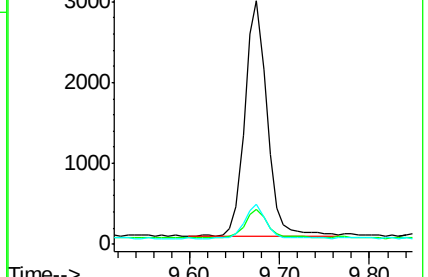
127 16.2 10.4 15.6#



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



#5

2-Methylnaphthalene

Concen: 0.09 ng/ul

RT: 11.21 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE091000.D

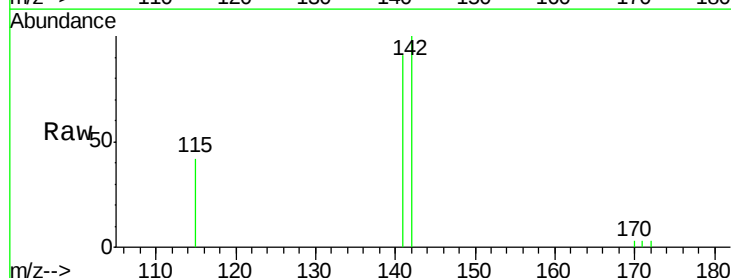
Acq: 12 Oct 2015 18:38

Tgt Ion:142 Resp: 3359

Ion Ratio Lower Upper

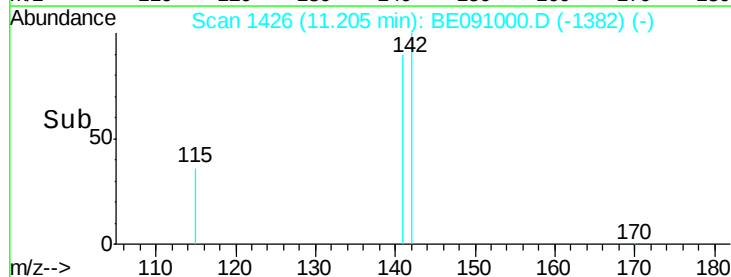
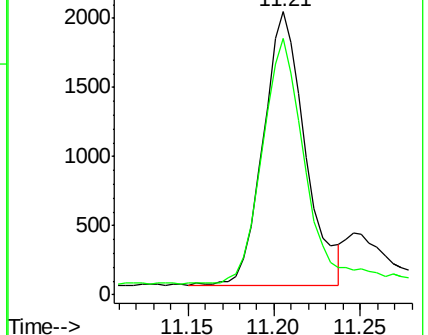
142 100

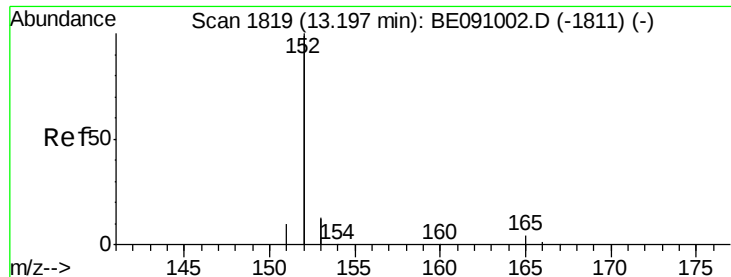
141 93.5 73.7 110.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.27 ng/ul

RT: 13.20 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BE091000.D

Acq: 12 Oct 2015 18:38

Instrument :

BNA_E

ClientSampleId :

SSTD0.167

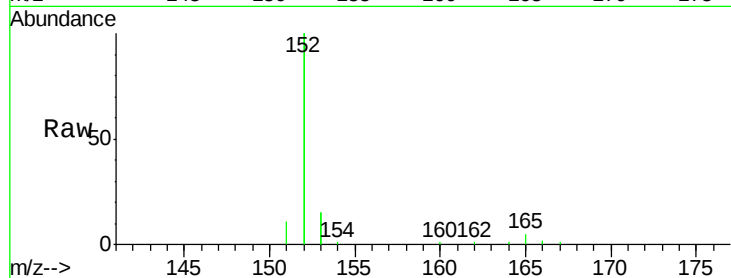
Tot Ion:152 Resp: 21331

Ion Ratio Lower Upper

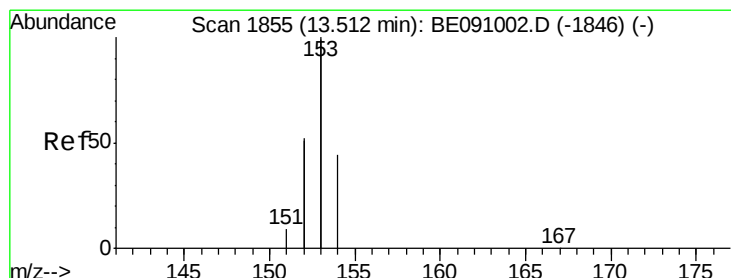
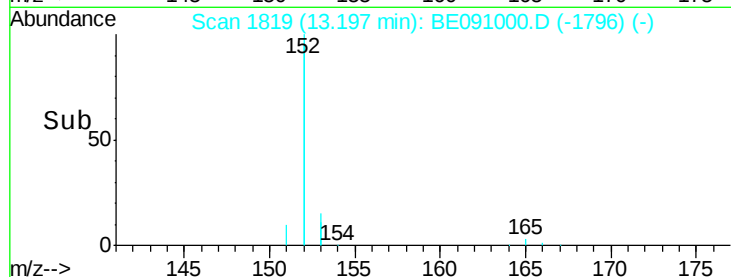
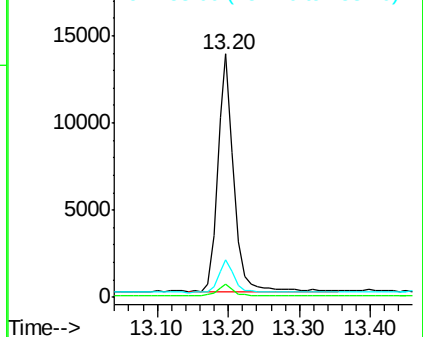
152 100

151 5.6 3.9 5.9

153 15.4 10.6 15.8



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



#8

Acenaphthene

Concen: 0.25 ng/ul

RT: 13.51 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BE091000.D

Acq: 12 Oct 2015 18:38

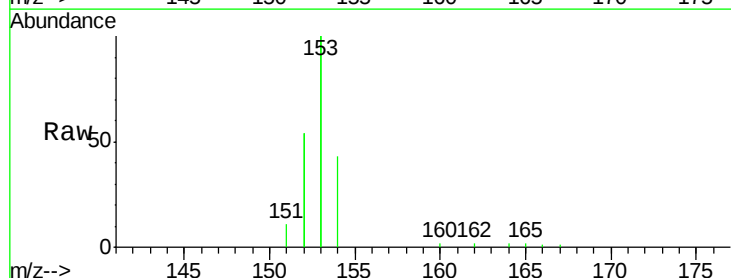
Tgt Ion:153 Resp: 15994

Ion Ratio Lower Upper

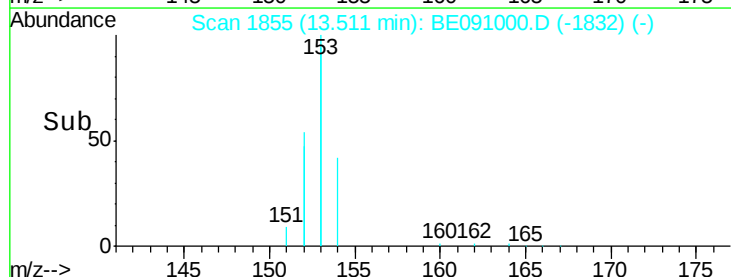
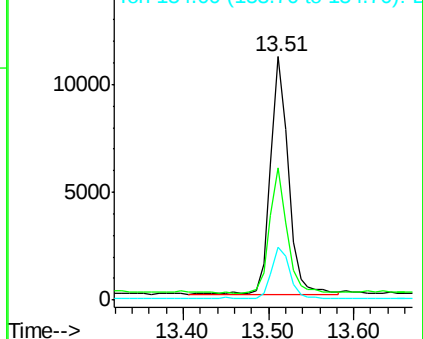
153 100

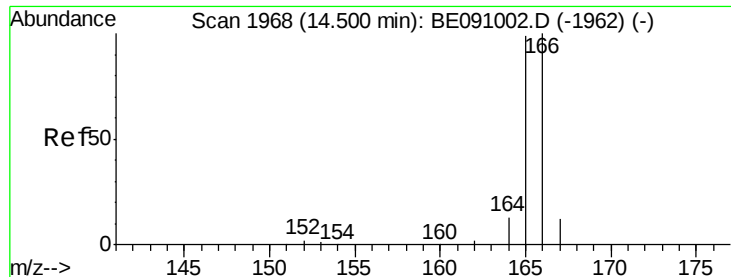
152 54.4 41.8 62.8

154 21.7 17.8 26.6



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

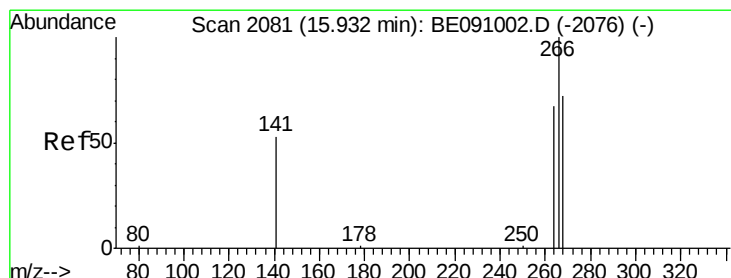
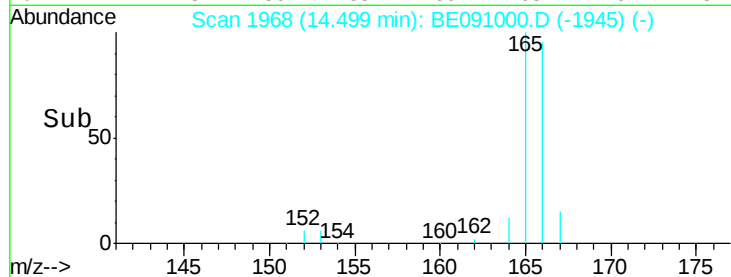
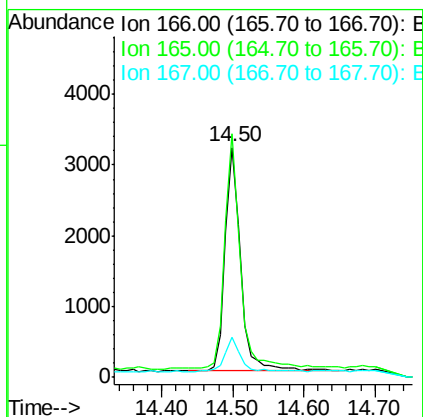
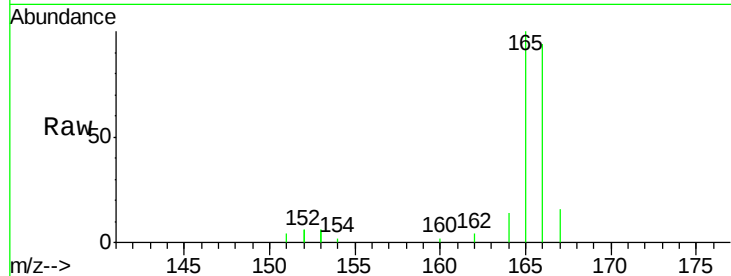




#9
Fluorene
 Concen: 0.10 ng/ul
 RT: 14.50 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BE091000.D
 Acq: 12 Oct 2015 18:38

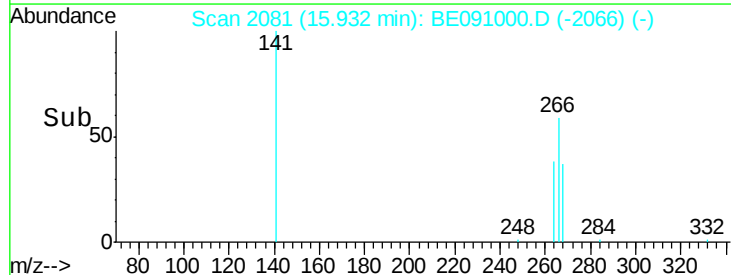
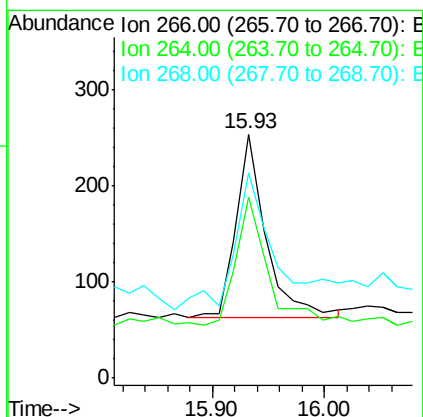
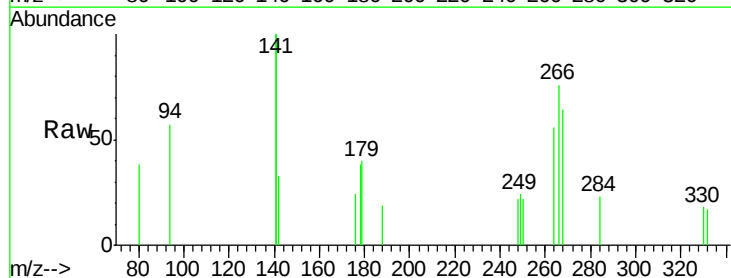
Instrument :
 BNA_E
 ClientSampleId :
 SST00.167

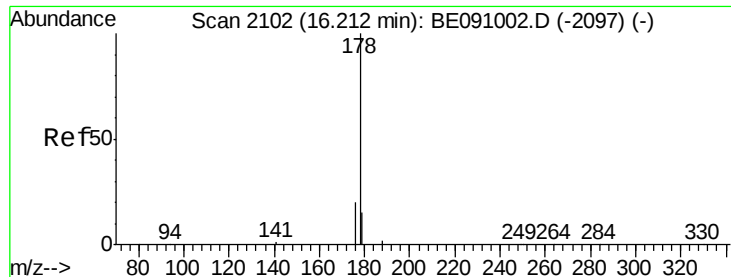
Tot Ion:166 Resp: 4868
 Ion Ratio Lower Upper
 166 100
 165 105.9 79.2 118.8
 167 17.4 10.4 15.6#



#11
Pentachlorophenol
 Concen: 0.16 ng/ul
 RT: 15.93 min Scan# 2081
 Delta R.T. -0.00 min
 Lab File: BE091000.D
 Acq: 12 Oct 2015 18:38

Tgt Ion:266 Resp: 352
 Ion Ratio Lower Upper
 266 100
 264 81.5 56.5 84.7
 268 143.2 56.6 84.8#





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 16.21 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE091000.D

Acq: 12 Oct 2015 18:38

Instrument :

BNA_E

ClientSampleId :

SSTD0.167

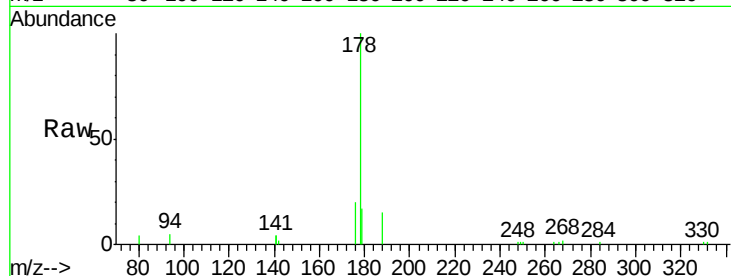
Tot Ion:178 Resp: 8662

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

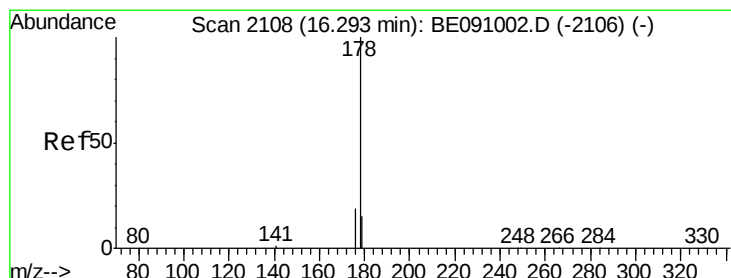
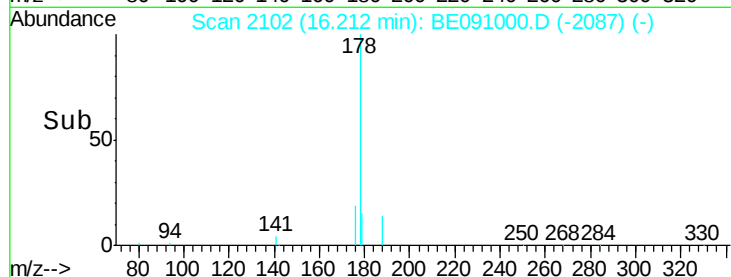
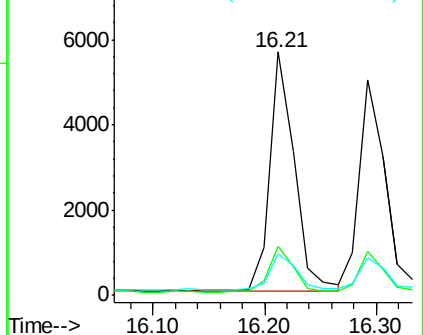
179 16.8 12.2 18.2



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



#13

Anthracene

Concen: 0.10 ng/ul

RT: 16.29 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BE091000.D

Acq: 12 Oct 2015 18:38

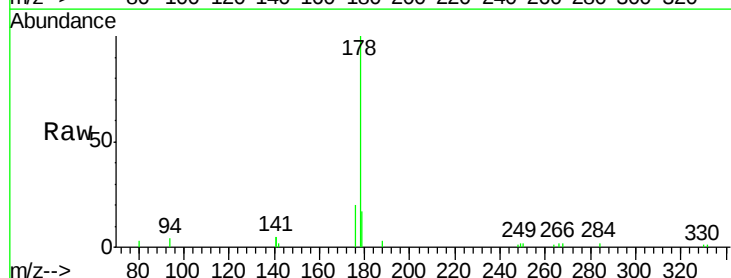
Tgt Ion:178 Resp: 8139

Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.0

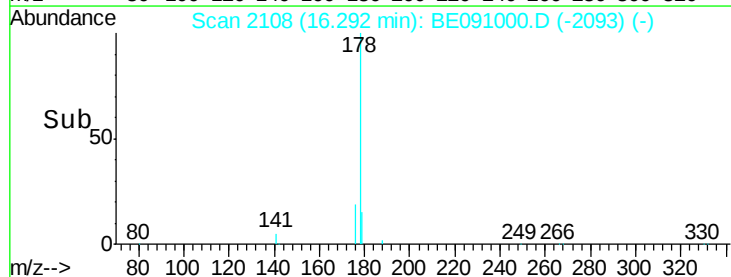
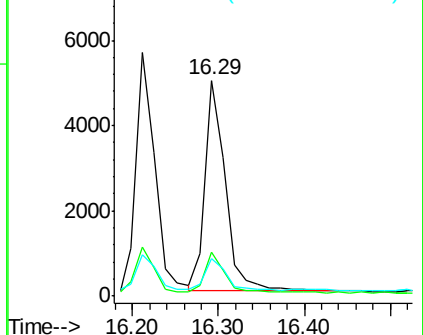
179 17.4 12.2 18.2

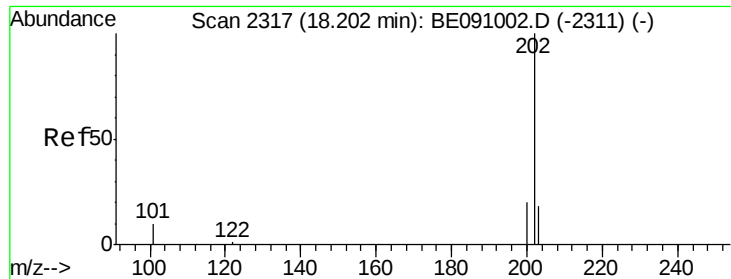


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

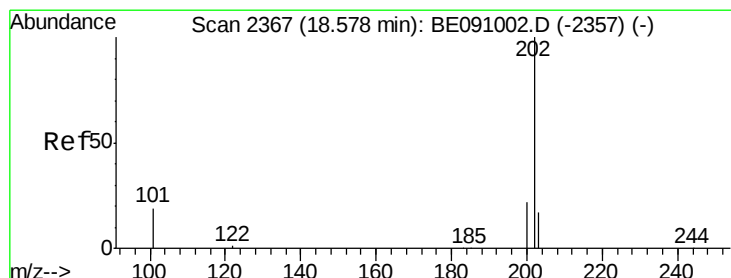
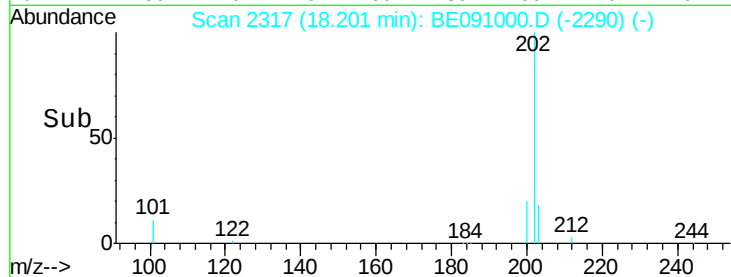
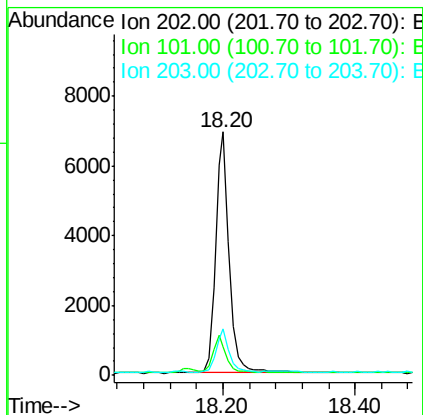
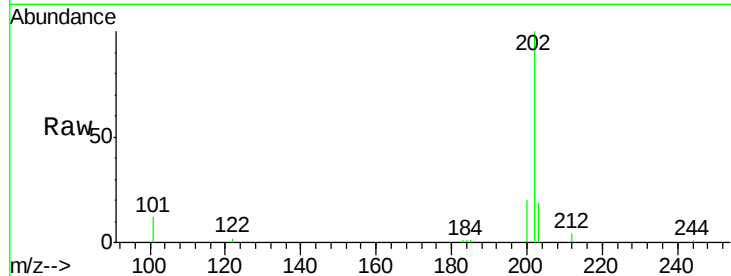




#15
Fluoranthene
 Concen: 0.10 ng/ul
 RT: 18.20 min Scan# 2317
 Delta R.T. -0.00 min
 Lab File: BE091000.D
 Acq: 12 Oct 2015 18:38

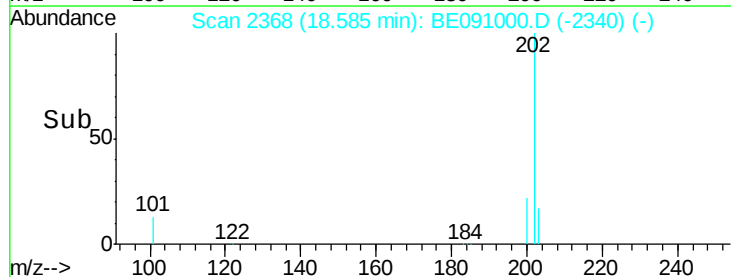
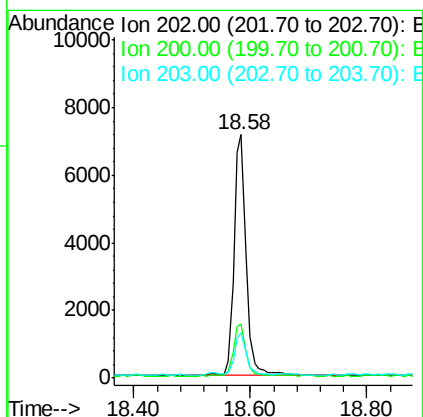
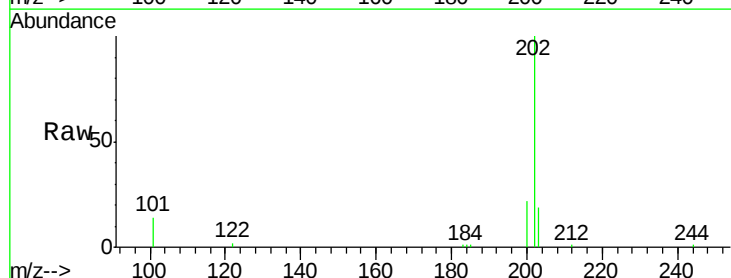
Instrument :
 BNA_E
 ClientSampleId :
 SST00.167

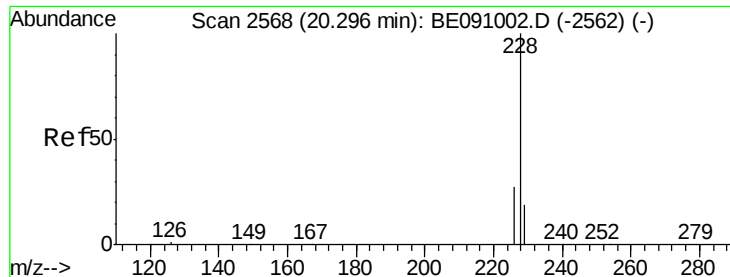
Tot Ion:202 Resp: 10074
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 30.6
 203 19.0 0.0 37.9



#17
Pyrene
 Concen: 0.08 ng/ul
 RT: 18.58 min Scan# 2368
 Delta R.T. 0.01 min
 Lab File: BE091000.D
 Acq: 12 Oct 2015 18:38

Tgt Ion:202 Resp: 10443
 Ion Ratio Lower Upper
 202 100
 200 22.2 17.4 26.2
 203 18.5 14.0 21.0





#18

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 20.30 min Scan# 2568

Delta R.T. -0.00 min

Lab File: BE091000.D

Acq: 12 Oct 2015 18:38

Instrument :

BNA_E

ClientSampleId :

SSTD0.167

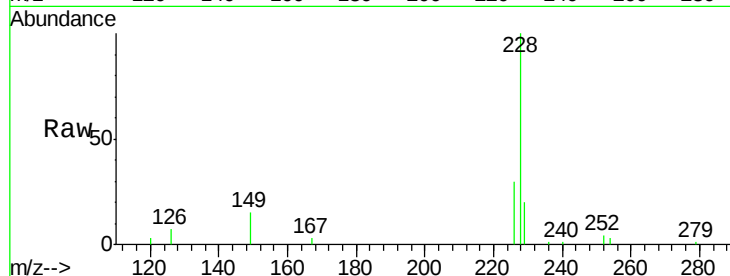
Tot Ion:228 Resp: 10467

Ion Ratio Lower Upper

228 100

226 29.6 22.2 33.2

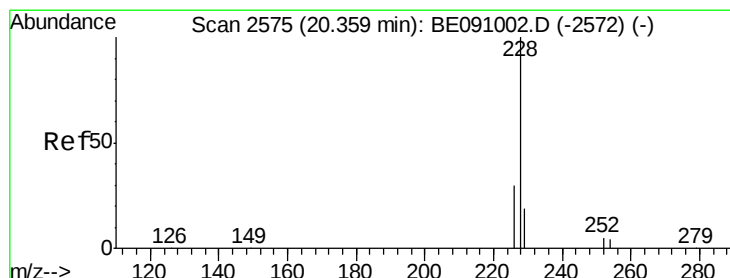
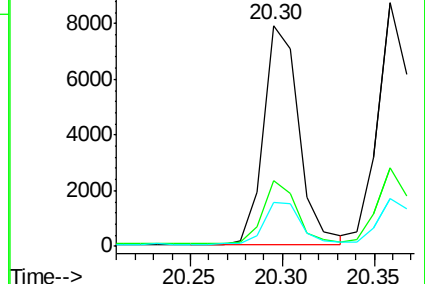
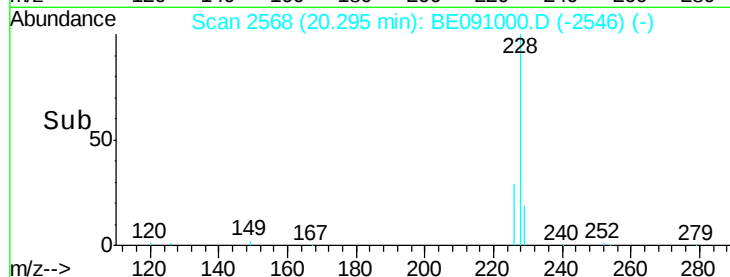
229 19.8 15.2 22.8



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



#19

Chrysene

Concen: 0.09 ng/ul

RT: 20.36 min Scan# 2575

Delta R.T. -0.00 min

Lab File: BE091000.D

Acq: 12 Oct 2015 18:38

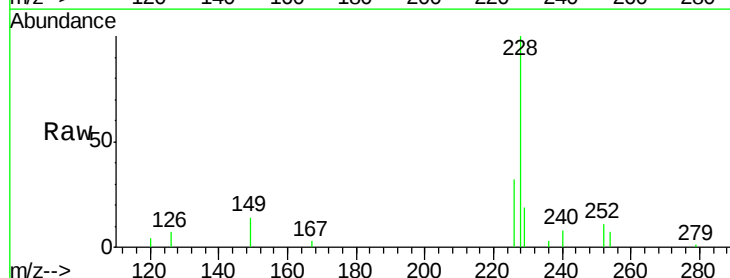
Tgt Ion:228 Resp: 11252

Ion Ratio Lower Upper

228 100

226 32.1 24.5 36.7

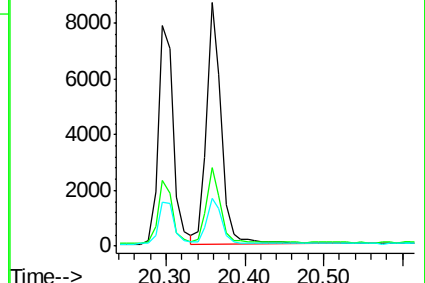
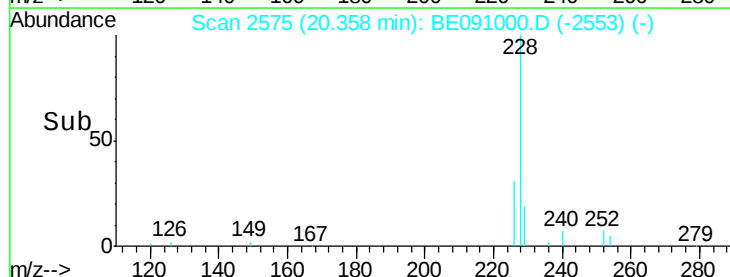
229 19.5 15.1 22.7

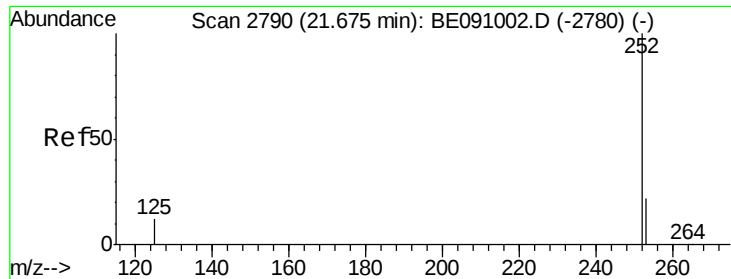


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.09 ng/ul

RT: 21.67 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BE091000.D

Acq: 12 Oct 2015 18:38

Instrument :

BNA_E

ClientSampleId :

SSTD0.167

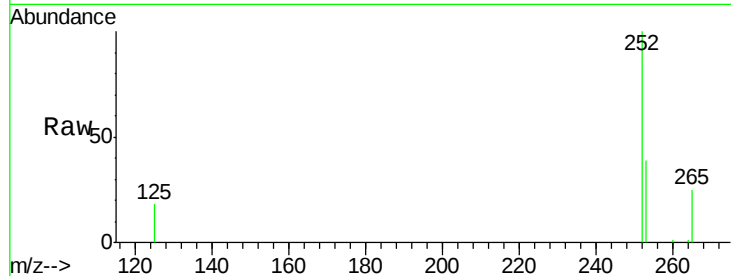
Tot Ion:252 Resp: 12074

Ion Ratio Lower Upper

252 100

253 39.4 0.0 51.6

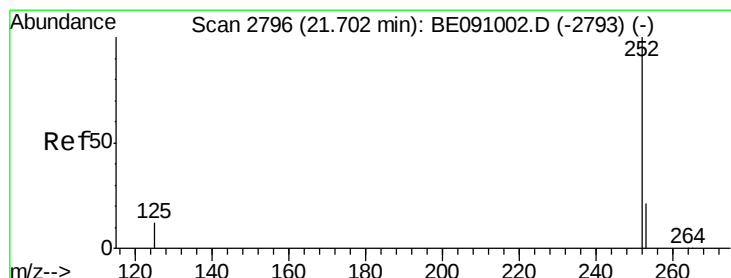
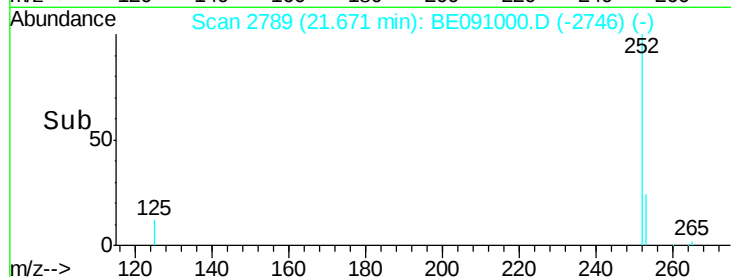
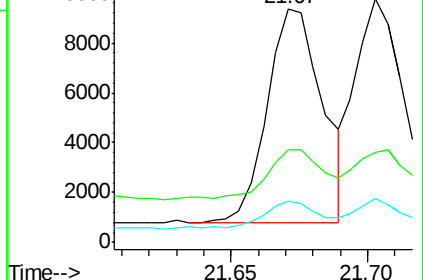
125 17.7 0.0 26.0



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



#22

Benzo(k)fluoranthene

Concen: 0.09 ng/ul

RT: 21.70 min Scan# 2796

Delta R.T. 0.00 min

Lab File: BE091000.D

Acq: 12 Oct 2015 18:38

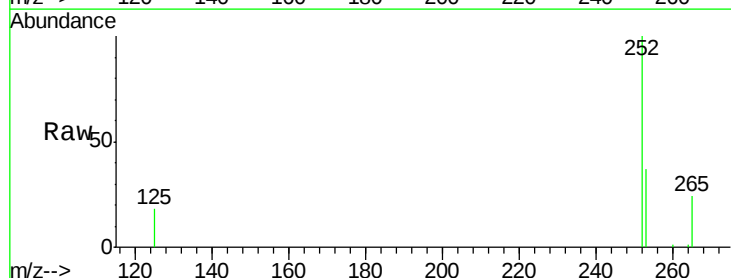
Tgt Ion:252 Resp: 11480

Ion Ratio Lower Upper

252 100

253 37.1 20.2 30.4#

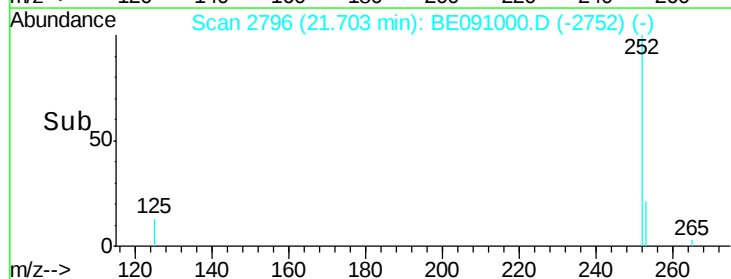
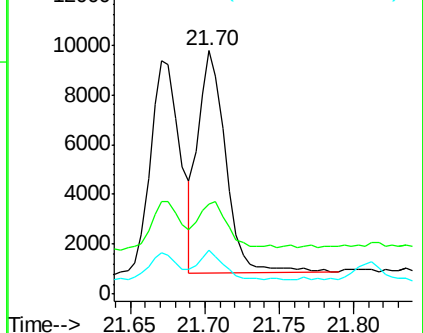
125 17.9 10.6 16.0#

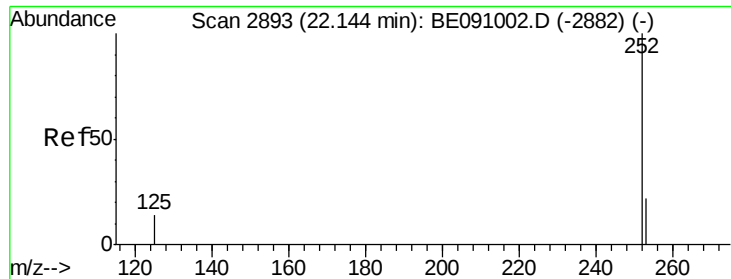


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.09 ng/ul

RT: 22.14 min Scan# 2893

Delta R.T. 0.00 min

Lab File: BE091000.D

Acq: 12 Oct 2015 18:38

Instrument :

BNA_E

ClientSampleId :

SSTD0.167

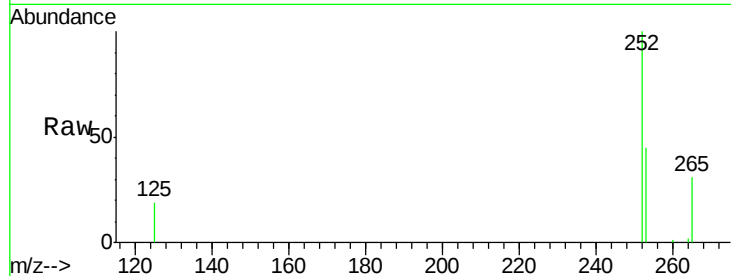
Tot Ion:252 Resp: 10908

Ion Ratio Lower Upper

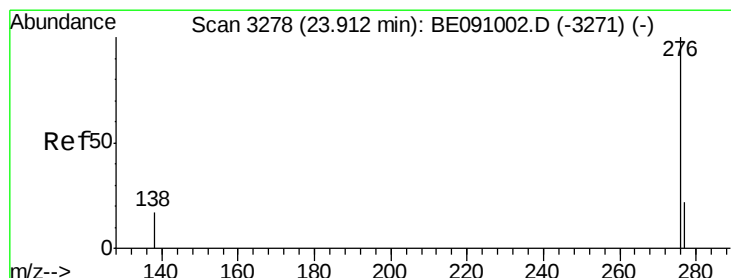
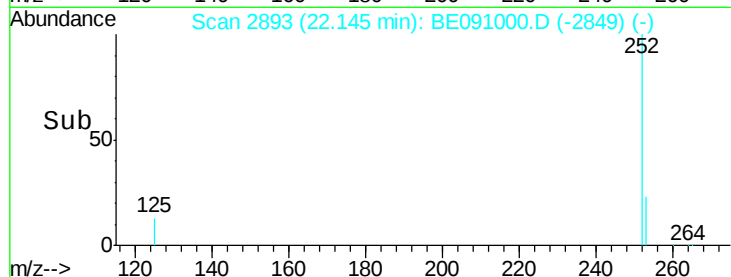
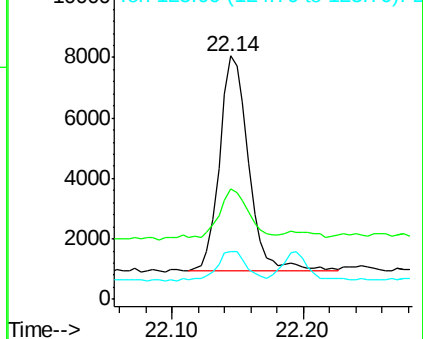
252 100

253 45.2 21.7 32.5#

125 19.4 12.2 18.2#



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

Indeno(1,2,3-cd)pyrene

Concen: 0.11 ng/ul

RT: 23.92 min Scan# 3278

Delta R.T. 0.00 min

Lab File: BE091000.D

Acq: 12 Oct 2015 18:38

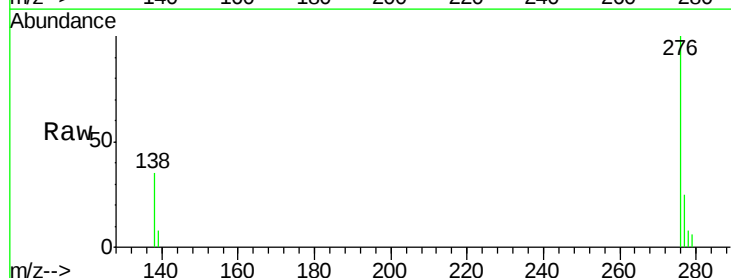
Tgt Ion:276 Resp: 14216

Ion Ratio Lower Upper

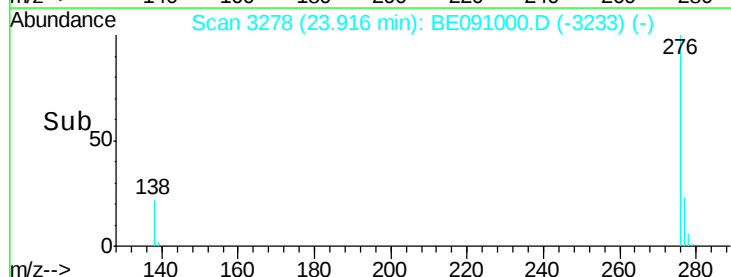
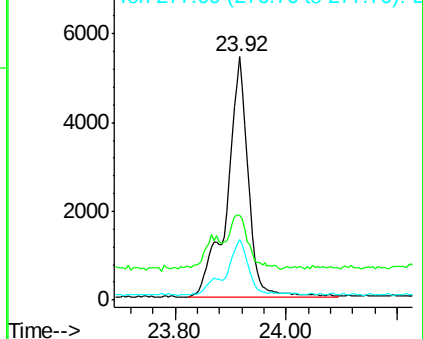
276 100

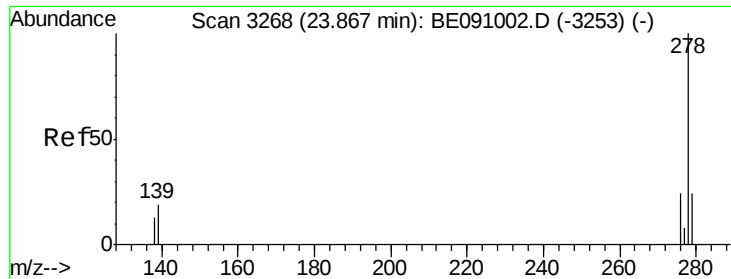
138 20.8 18.1 27.1

277 18.5 19.0 28.6#



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

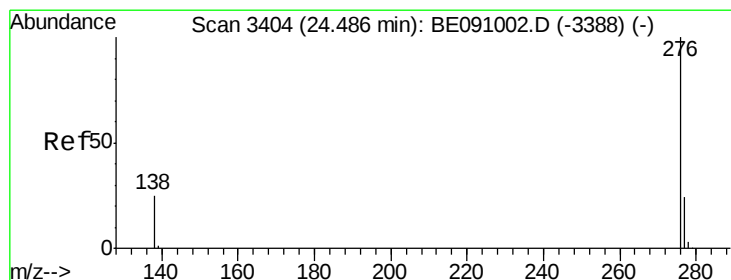
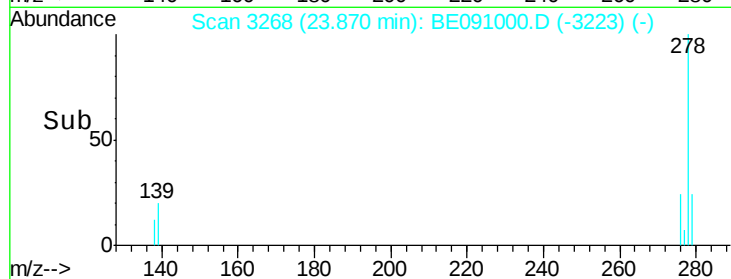
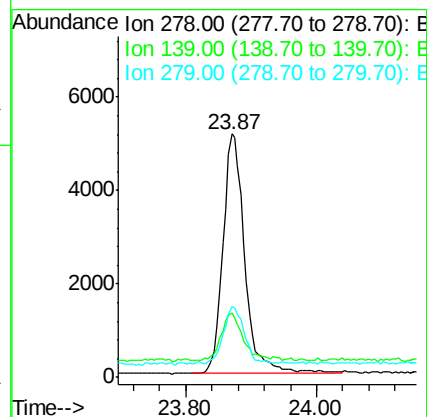
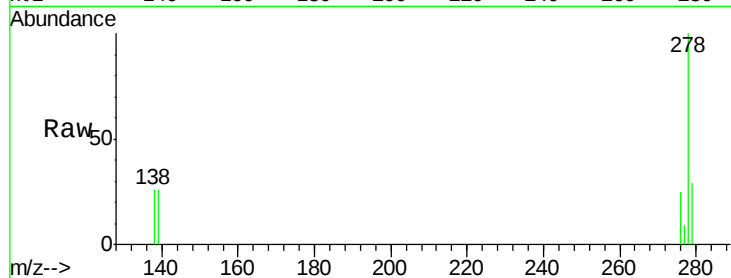




#25
Dibenzo(a,h)anthracene
Concen: 0.11 ng/ul
RT: 23.87 min Scan# 3268
Delta R.T. 0.00 min
Lab File: BE091000.D
Acq: 12 Oct 2015 18:38

Instrument :
BNA_E
ClientSampleId :
SSTD0.167

Tot Ion:278 Resp: 11679
Ion Ratio Lower Upper
278 100
139 26.4 16.1 24.1#
279 29.0 20.1 30.1



#26
Benzo(g,h,i)perylene
Concen: 0.11 ng/ul
RT: 24.49 min Scan# 3403
Delta R.T. -0.00 min
Lab File: BE091000.D
Acq: 12 Oct 2015 18:38

Tgt Ion:276 Resp: 12509
Ion Ratio Lower Upper
276 100
277 25.3 19.7 29.5
138 37.4 22.6 34.0#

