

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101215\
 Data File : BE091001.D
 Acq On : 12 Oct 2015 19:17
 Operator : UM/IZ
 Sample : SSTD0.268
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.268

Quant Time: Oct 13 07:08:51 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	4512	0.40	ng/ul	0.00
2) Naphthalene-d8	9.63	136	20592	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.46	164	11405	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.18	188	29618	0.40	ng/ul	0.01
16) Chrysene-d12	20.33	240	36842	0.40	ng/ul	0.00
20) Perylene-d12	22.24	264	37215	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	13.20	152	41993	0.62	ng/ul	0.00
14) Fluoranthene-d10	18.17	212	15548	0.21	ng/ul	0.00

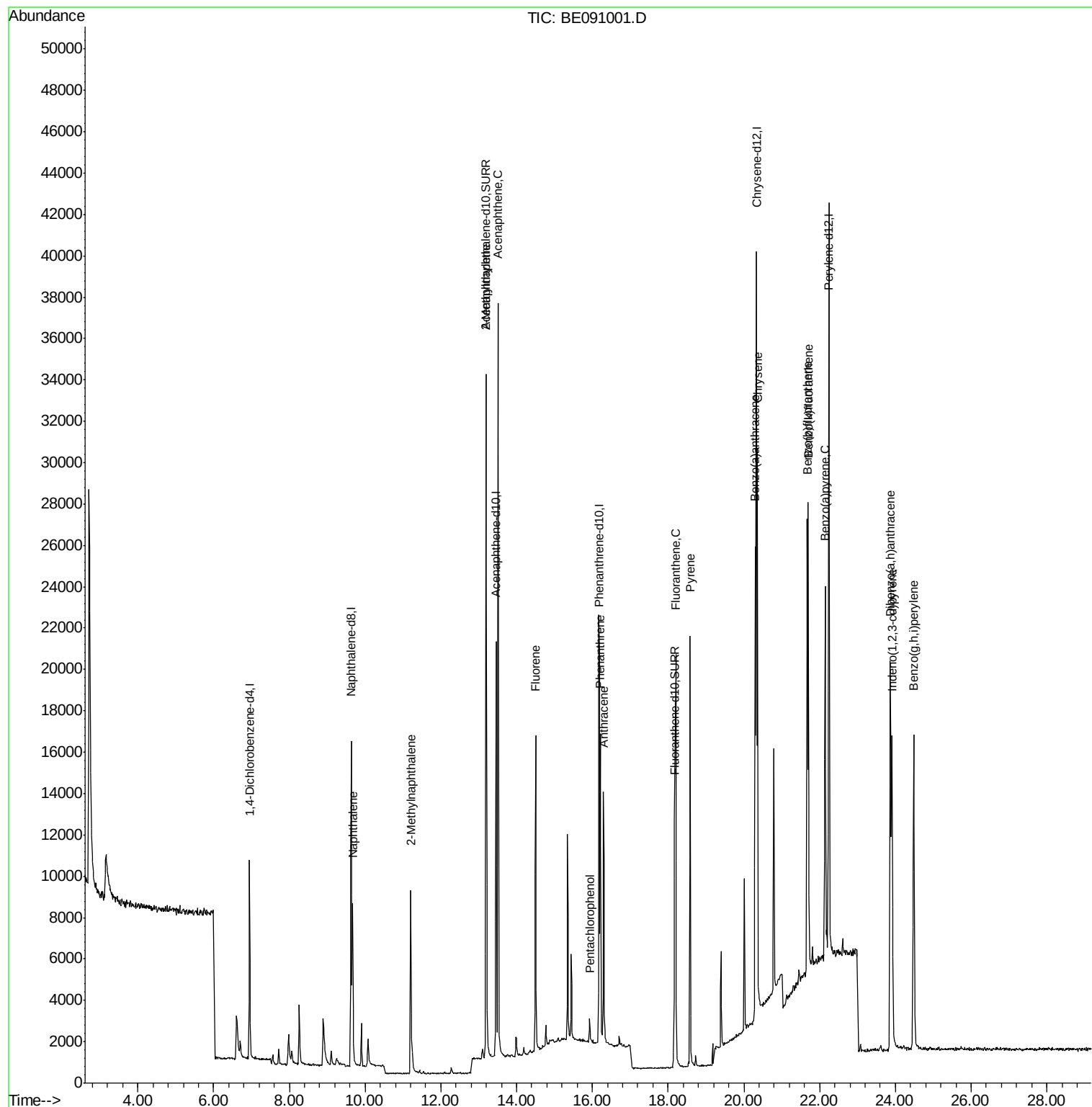
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	9.68	128	10156	0.19	ng/ul	98
5) 2-Methylnaphthalene	11.20	142	6548	0.18	ng/ul	96
7) Acenaphthylene	13.20	152	41993	0.53	ng/ul	99
8) Acenaphthene	13.51	153	30442	0.46	ng/ul	99
9) Fluorene	14.50	166	9400	0.19	ng/ul	98
11) Pentachlorophenol	15.93	266	834	0.38	ng/ul	96
12) Phenanthrene	16.21	178	16593	0.18	ng/ul	100
13) Anthracene	16.29	178	15552	0.18	ng/ul	98
15) Fluoranthene	18.20	202	19406	0.19	ng/ul	99
17) Pyrene	18.59	202	19848	0.14	ng/ul	98
18) Benzo(a)anthracene	20.30	228	19784	0.17	ng/ul	99
19) Chrysene	20.36	228	20917	0.18	ng/ul	99
21) Benzo(b)fluoranthene	21.67	252	22853	0.17	ng/ul	92
22) Benzo(k)fluoranthene	21.70	252	21731	0.17	ng/ul	93
23) Benzo(a)pyrene	22.15	252	21320	0.18	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	23.91	276	27076	0.22	ng/ul	91
25) Dibenzo(a,h)anthracene	23.87	278	22069	0.21	ng/ul	98
26) Benzo(g,h,i)perylene	24.48	276	23604	0.21	ng/ul	96

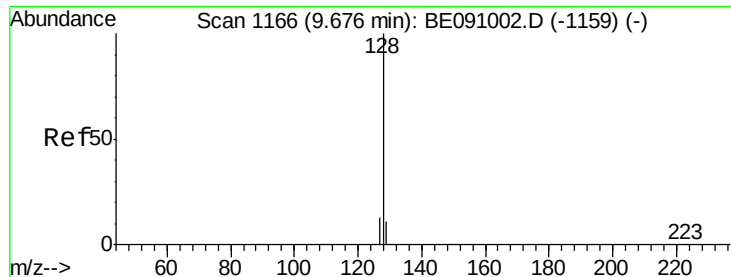
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.19 ng/ul

RT: 9.68 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BE091001.D

Acq: 12 Oct 2015 19:17

Instrument :

BNA_E

ClientSampleId :

SSTD0.268

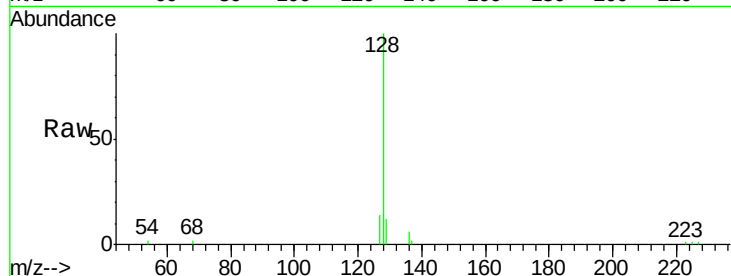
Tot Ion:128 Resp: 10156

Ion Ratio Lower Upper

128 100

129 11.9 9.3 13.9

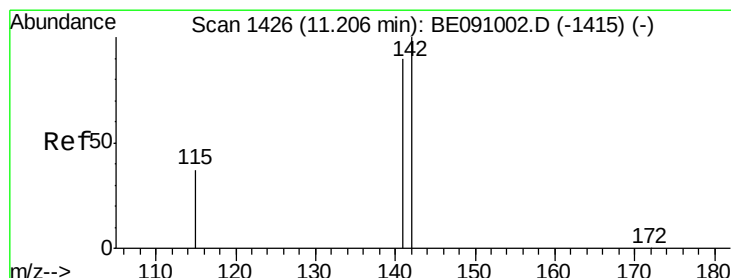
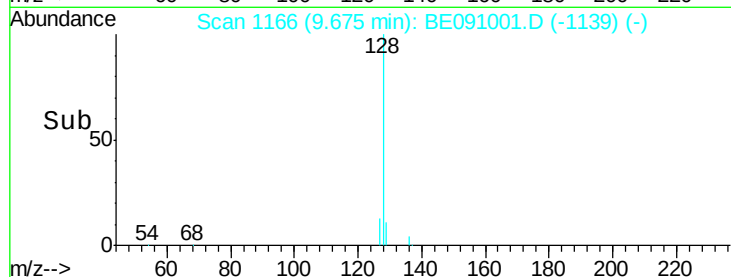
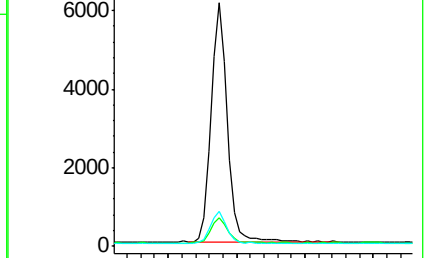
127 14.2 10.4 15.6



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: 0.18 ng/ul

RT: 11.20 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE091001.D

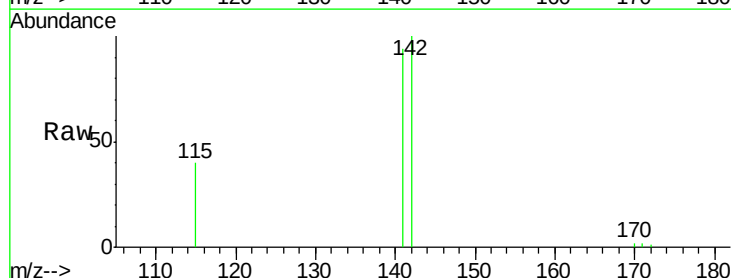
Acq: 12 Oct 2015 19:17

Tgt Ion:142 Resp: 6548

Ion Ratio Lower Upper

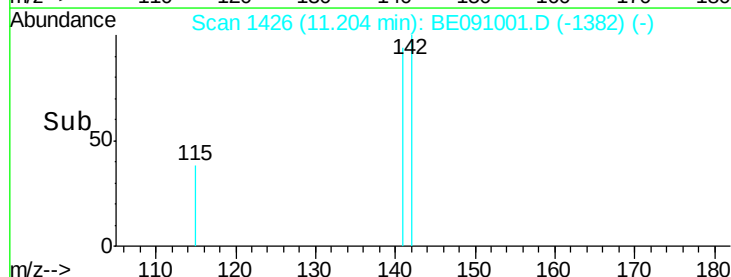
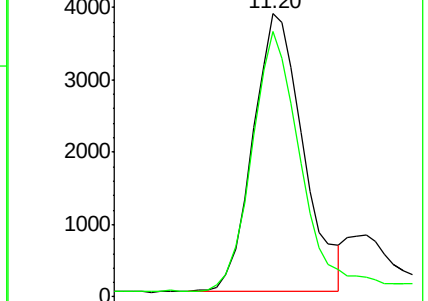
142 100

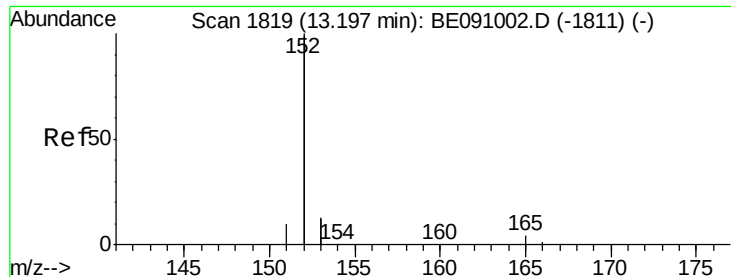
141 95.8 73.7 110.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.53 ng/ul

RT: 13.20 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BE091001.D

Acq: 12 Oct 2015 19:17

Instrument :

BNA_E

ClientSampleId :

SSTD0.268

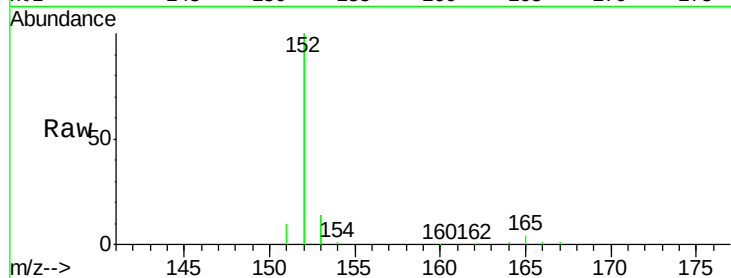
Tot Ion:152 Resp: 41993

Ion Ratio Lower Upper

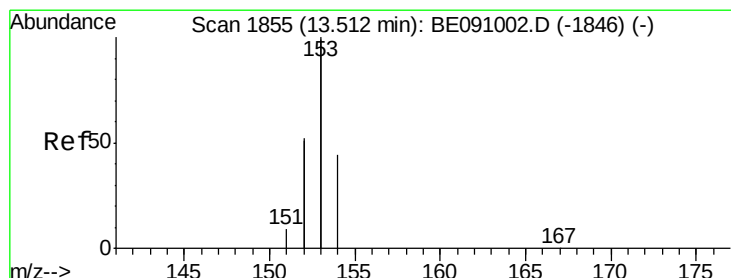
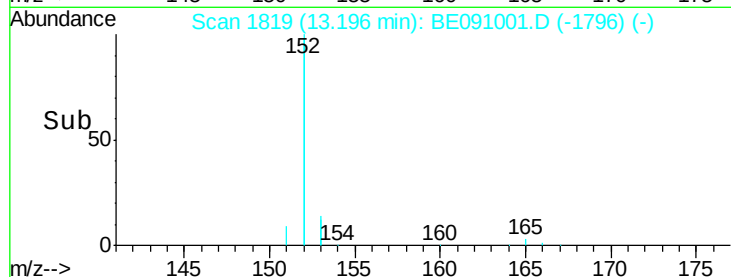
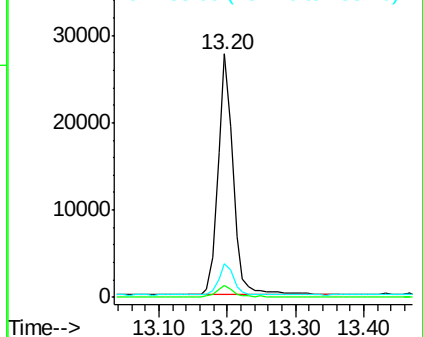
152 100

151 5.0 3.9 5.9

153 13.8 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: 0.46 ng/ul

RT: 13.51 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BE091001.D

Acq: 12 Oct 2015 19:17

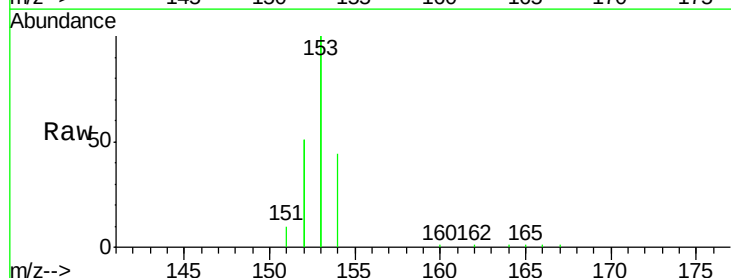
Tgt Ion:153 Resp: 30442

Ion Ratio Lower Upper

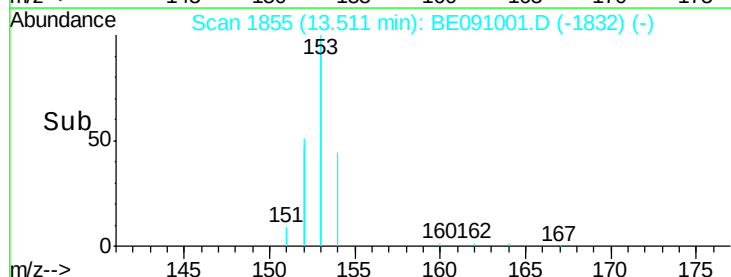
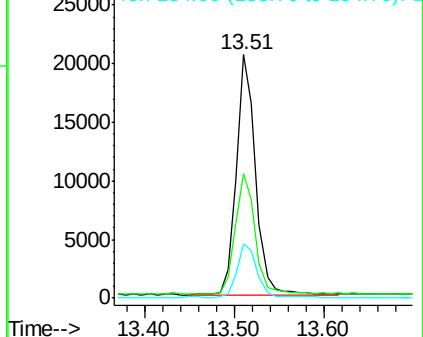
153 100

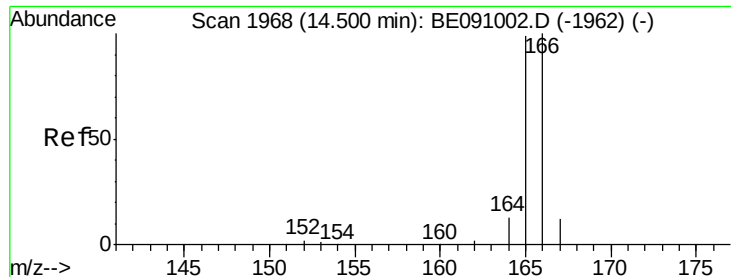
152 51.3 41.8 62.8

154 22.2 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

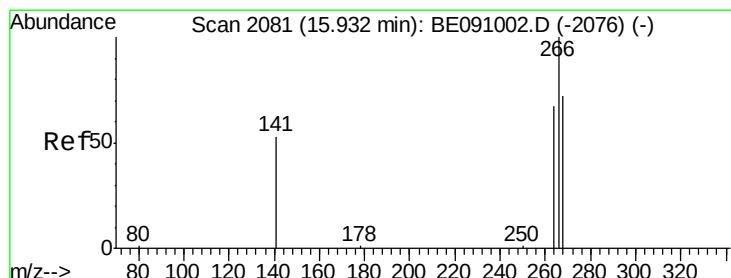
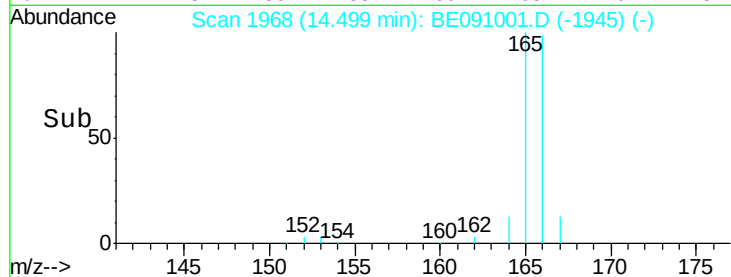
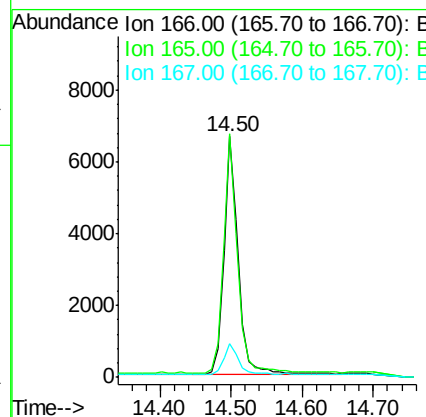
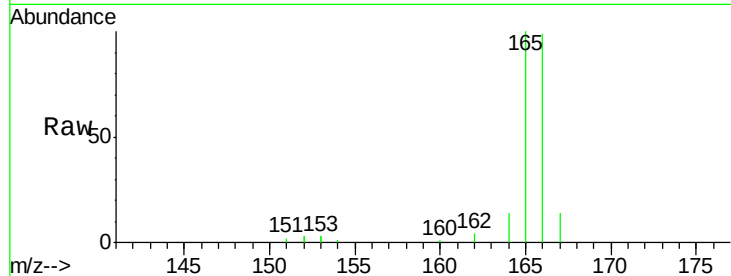




#9
Fluorene
 Concen: 0.19 ng/ul
 RT: 14.50 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BE091001.D
 Acq: 12 Oct 2015 19:17

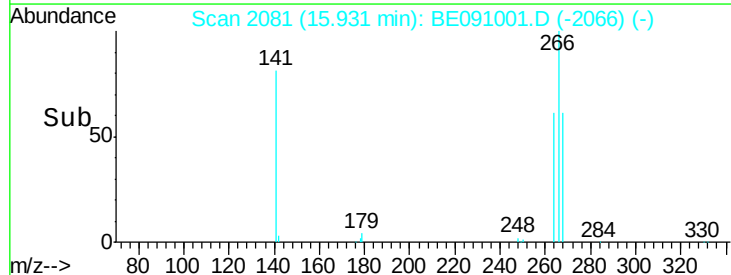
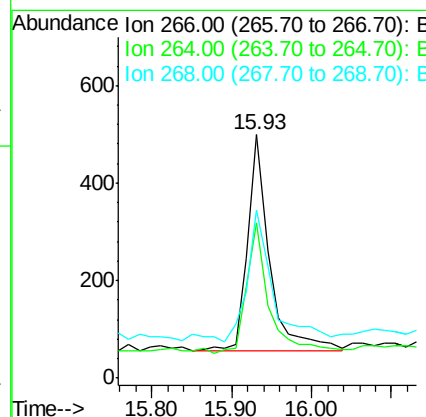
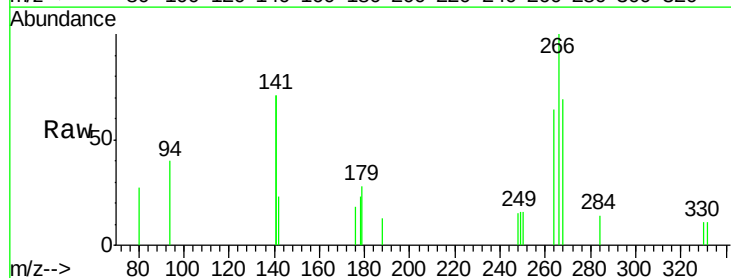
Instrument :
 BNA_E
 ClientSampleId :
 SST00.268

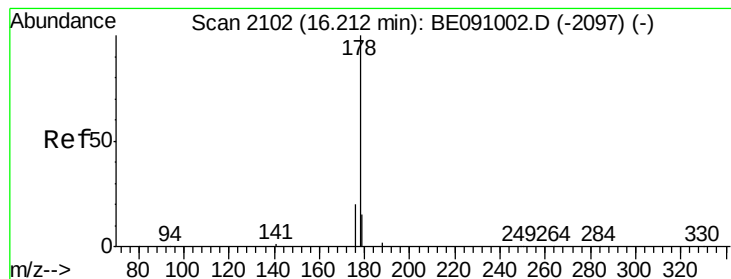
Tot Ion:166 Resp: 9400
 Ion Ratio Lower Upper
 166 100
 165 101.2 79.2 118.8
 167 14.1 10.4 15.6



#11
Pentachlorophenol
 Concen: 0.38 ng/ul
 RT: 15.93 min Scan# 2081
 Delta R.T. -0.00 min
 Lab File: BE091001.D
 Acq: 12 Oct 2015 19:17

Tgt Ion:266 Resp: 834
 Ion Ratio Lower Upper
 266 100
 264 63.8 56.5 84.7
 268 70.4 56.6 84.8





#12

Phenanthrene

Concen: 0.18 ng/ul

RT: 16.21 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE091001.D

Acq: 12 Oct 2015 19:17

Instrument :

BNA_E

ClientSampleId :

SSTD0.268

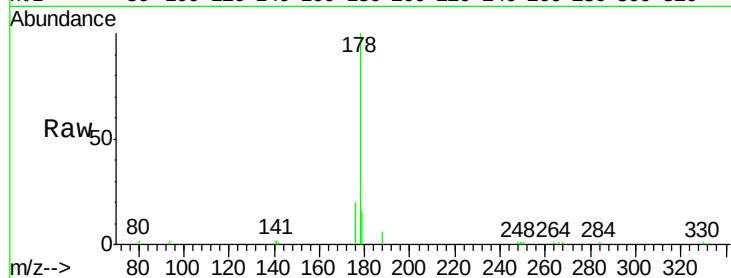
Tot Ion:178 Resp: 16593

Ion Ratio Lower Upper

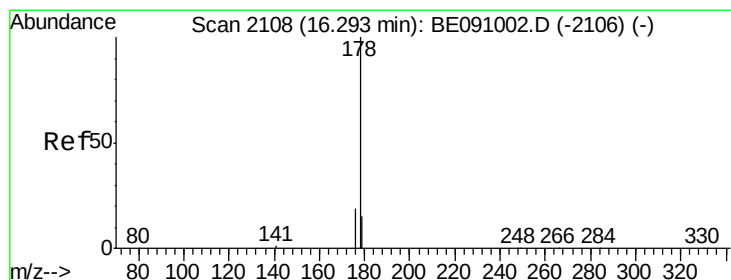
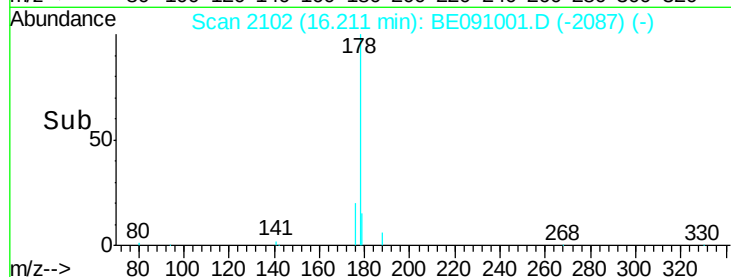
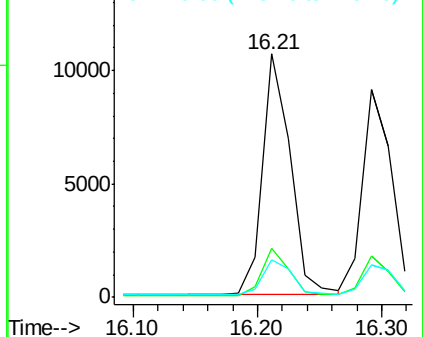
178 100

176 20.3 16.2 24.4

179 15.6 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: 0.18 ng/ul

RT: 16.29 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BE091001.D

Acq: 12 Oct 2015 19:17

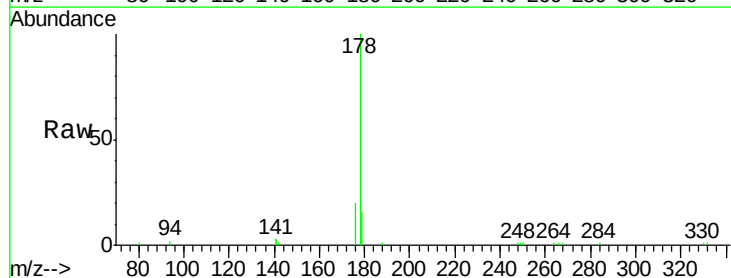
Tgt Ion:178 Resp: 15552

Ion Ratio Lower Upper

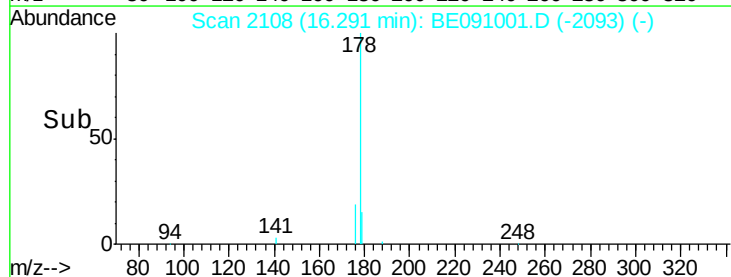
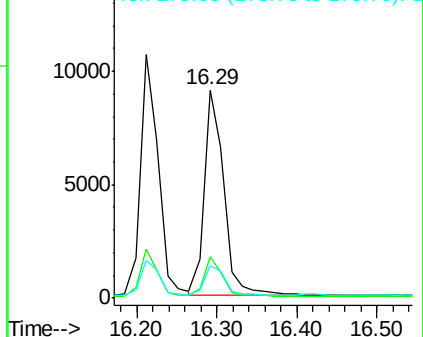
178 100

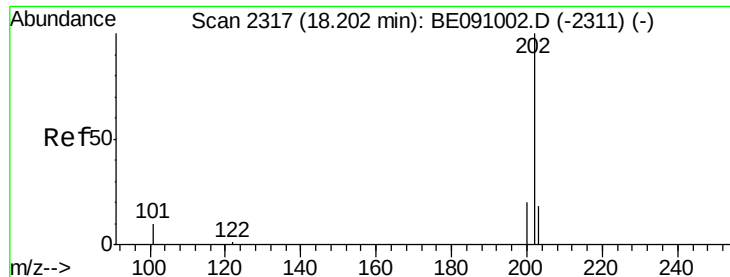
176 20.0 15.4 23.0

179 15.7 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

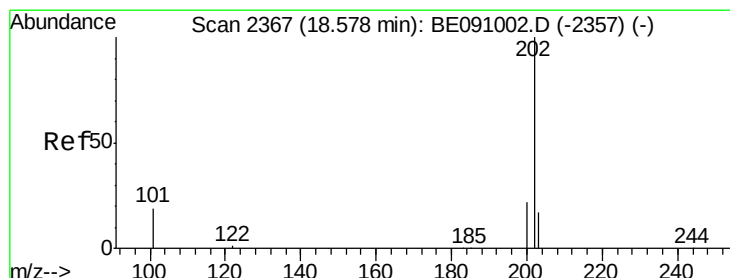
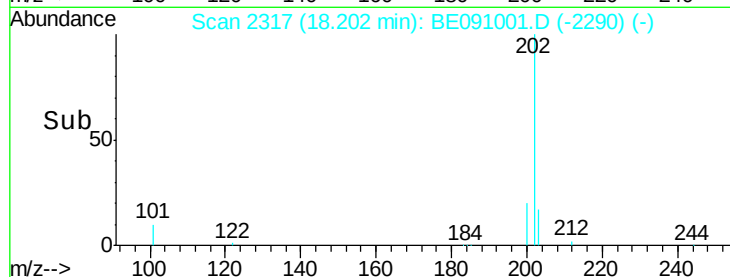
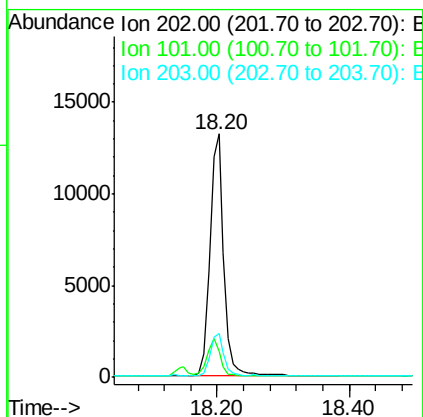
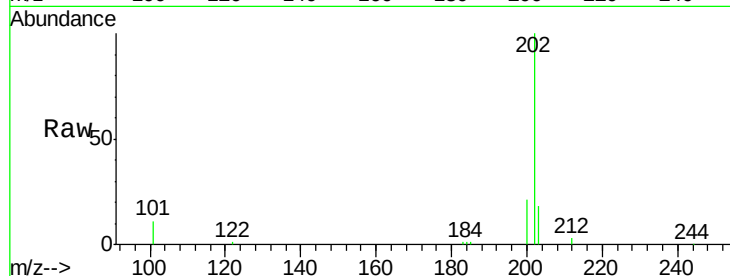




#15
 Fluoranthene
 Concen: 0.19 ng/ul
 RT: 18.20 min Scan# 2317
 Delta R.T. 0.00 min
 Lab File: BE091001.D
 Acq: 12 Oct 2015 19:17

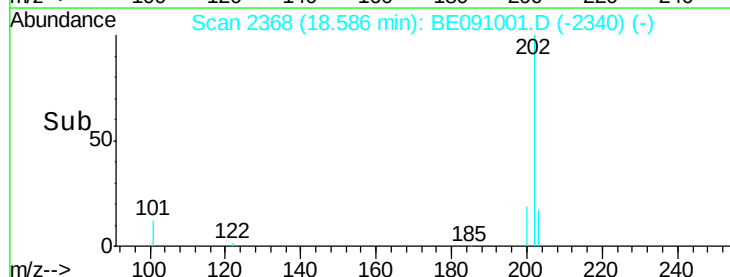
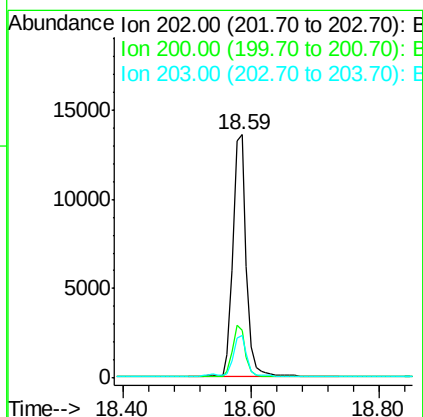
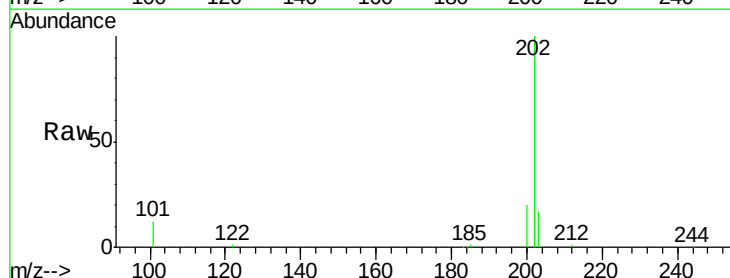
Instrument :
 BNA_E
 ClientSampleId :
 SST00.268

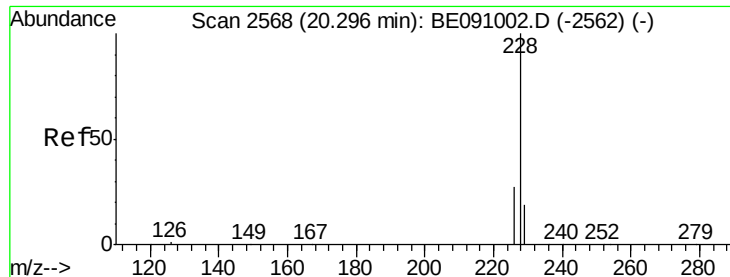
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.6
203	18.1	0.0	37.9



#17
 Pyrene
 Concen: 0.14 ng/ul
 RT: 18.59 min Scan# 2368
 Delta R.T. 0.01 min
 Lab File: BE091001.D
 Acq: 12 Oct 2015 19:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.4	26.2
203	17.4	14.0	21.0





#18

Benzo(a)anthracene

Concen: 0.17 ng/ul

RT: 20.30 min Scan# 2568

Delta R.T. 0.00 min

Lab File: BE091001.D

Acq: 12 Oct 2015 19:17

Instrument :

BNA_E

ClientSampleId :

SSTD0.268

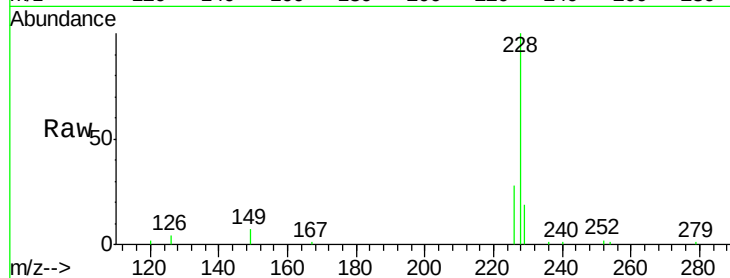
Tot Ion:228 Resp: 19784

Ion Ratio Lower Upper

228 100

226 28.5 22.2 33.2

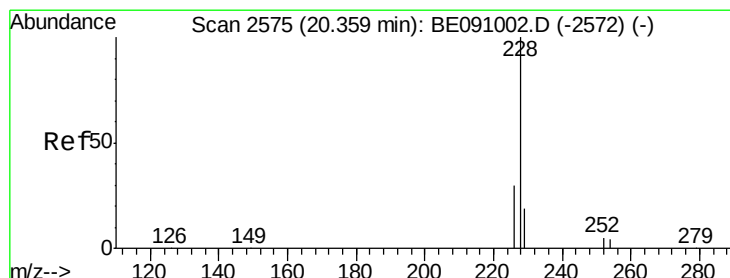
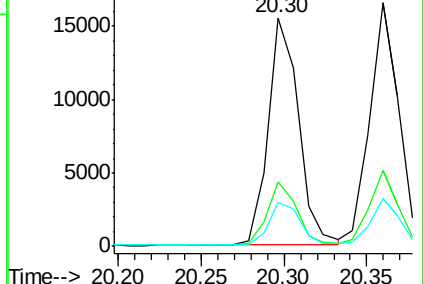
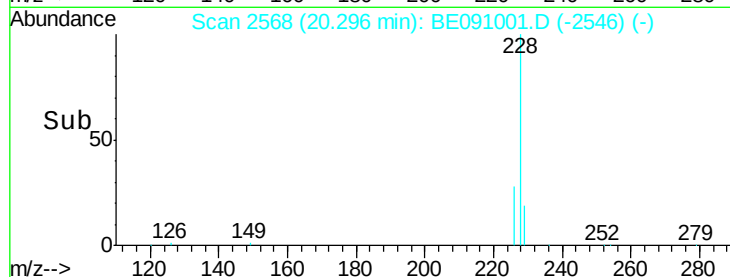
229 19.3 15.2 22.8



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: 0.18 ng/ul

RT: 20.36 min Scan# 2575

Delta R.T. 0.00 min

Lab File: BE091001.D

Acq: 12 Oct 2015 19:17

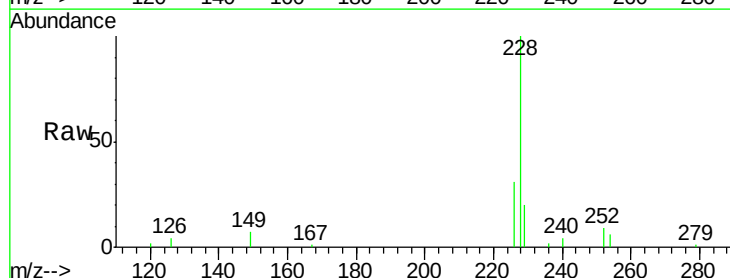
Tgt Ion:228 Resp: 20917

Ion Ratio Lower Upper

228 100

226 31.2 24.5 36.7

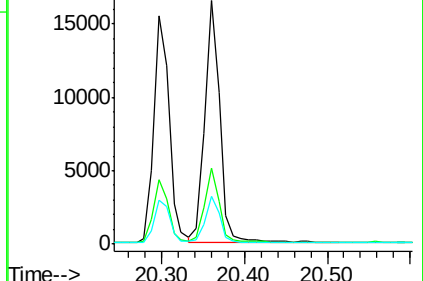
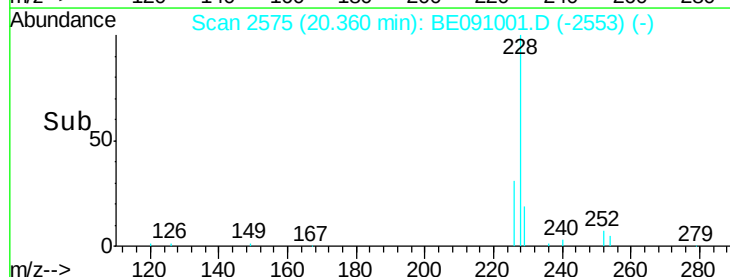
229 19.6 15.1 22.7

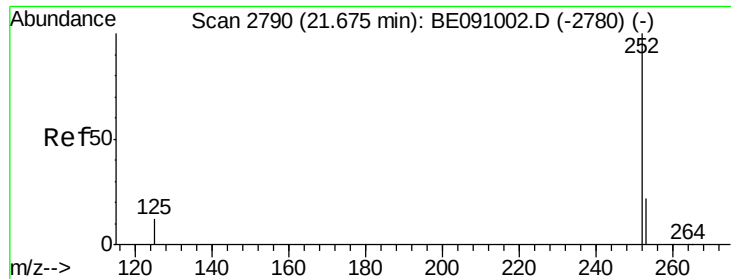


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.17 ng/ul

RT: 21.67 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BE091001.D

Acq: 12 Oct 2015 19:17

Instrument :

BNA_E

ClientSampleId :

SSTD0.268

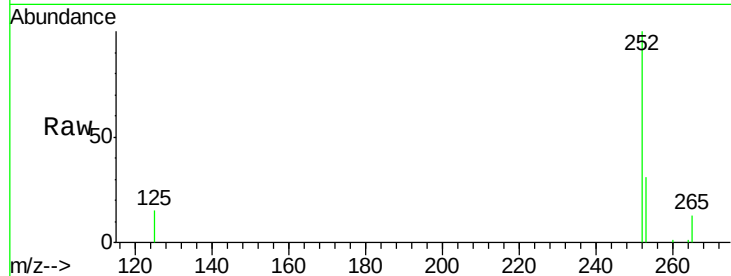
Tot Ion:252 Resp: 22853

Ion Ratio Lower Upper

252 100

253 30.9 0.0 51.6

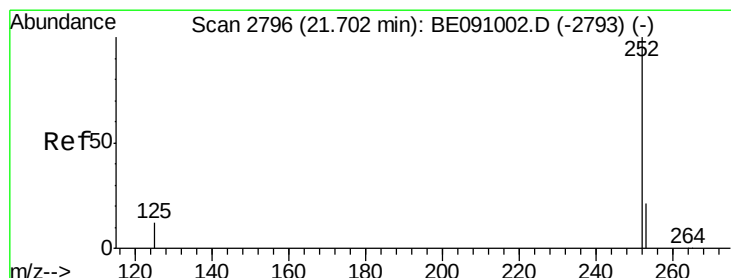
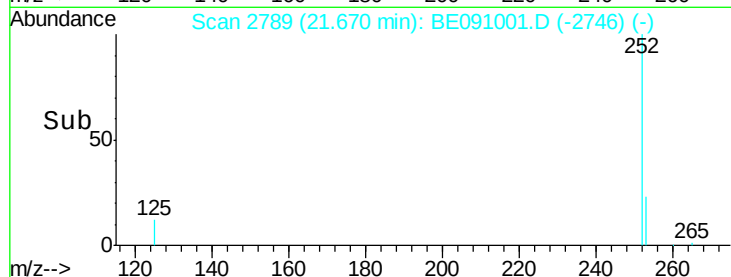
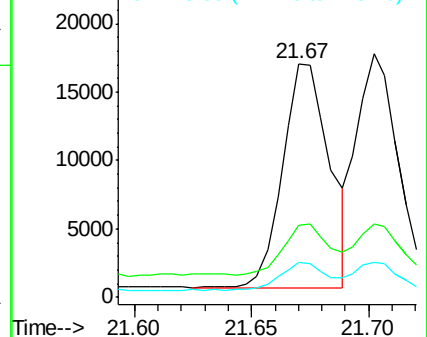
125 14.9 0.0 26.0



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: 0.17 ng/ul

RT: 21.70 min Scan# 2796

Delta R.T. 0.00 min

Lab File: BE091001.D

Acq: 12 Oct 2015 19:17

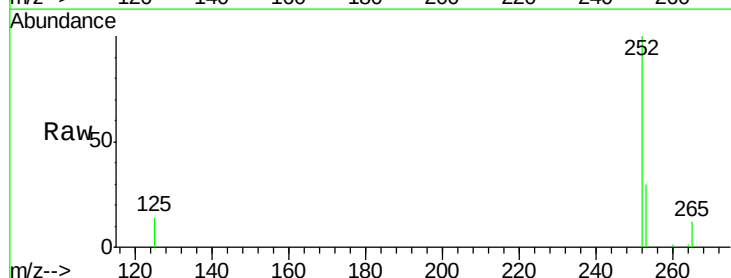
Tgt Ion:252 Resp: 21731

Ion Ratio Lower Upper

252 100

253 29.9 20.2 30.4

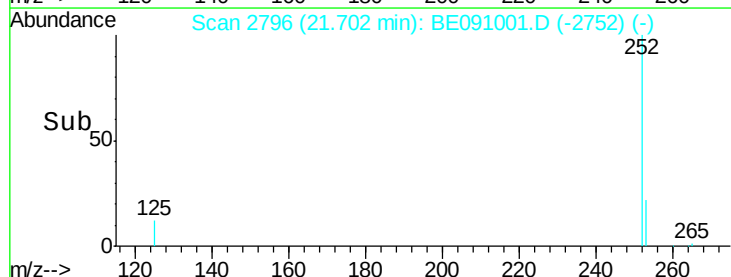
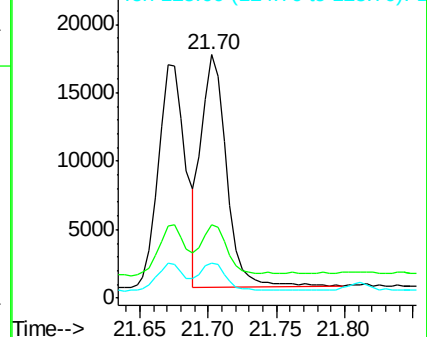
125 14.4 10.6 16.0

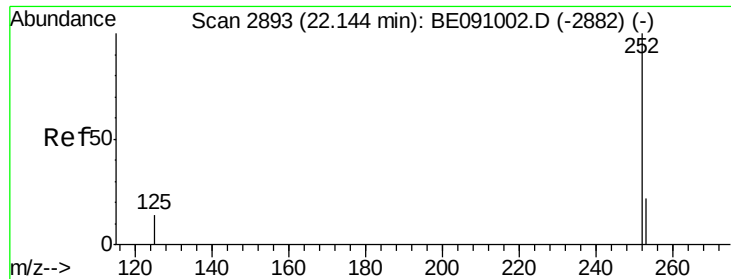


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.18 ng/ul

RT: 22.15 min Scan# 2894

Delta R.T. 0.00 min

Lab File: BE091001.D

Acq: 12 Oct 2015 19:17

Instrument :

BNA_E

ClientSampleId :

SSTD0.268

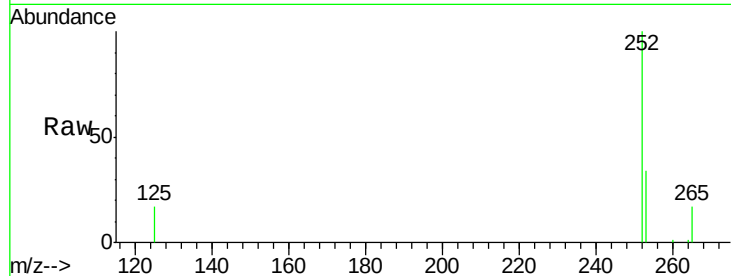
Tot Ion:252 Resp: 21320

Ion Ratio Lower Upper

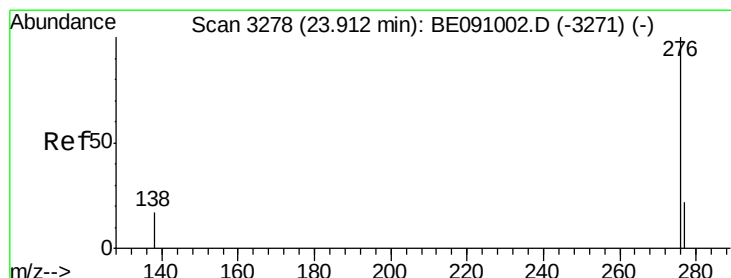
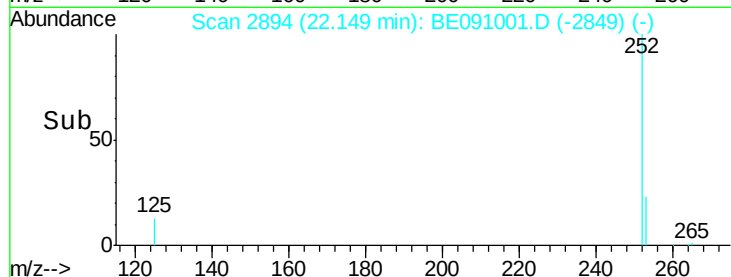
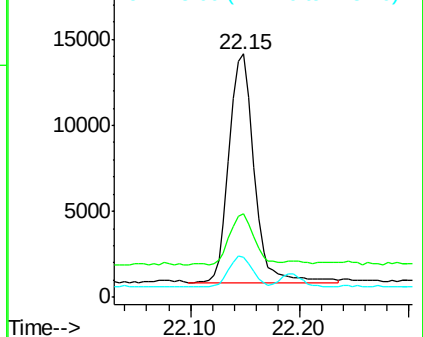
252 100

253 34.5 21.7 32.5#

125 16.7 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: 0.22 ng/ul

RT: 23.91 min Scan# 3278

Delta R.T. 0.00 min

Lab File: BE091001.D

Acq: 12 Oct 2015 19:17

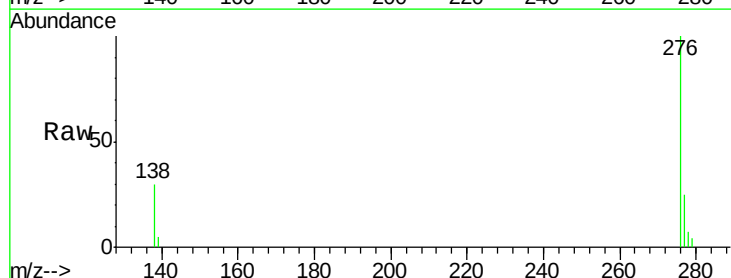
Tgt Ion:276 Resp: 27076

Ion Ratio Lower Upper

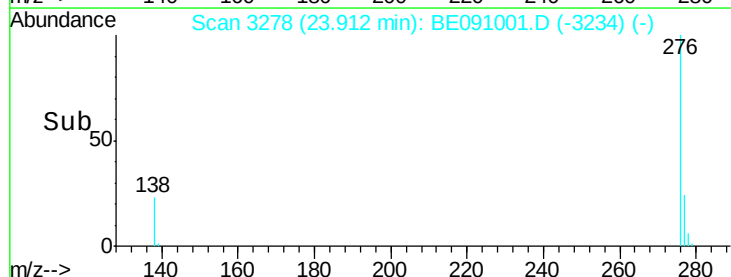
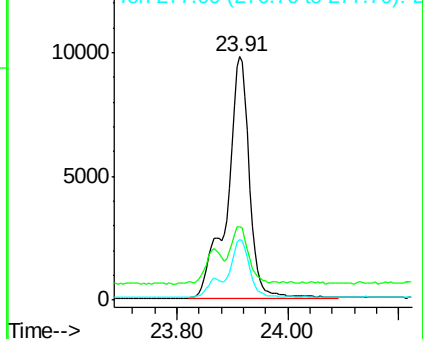
276 100

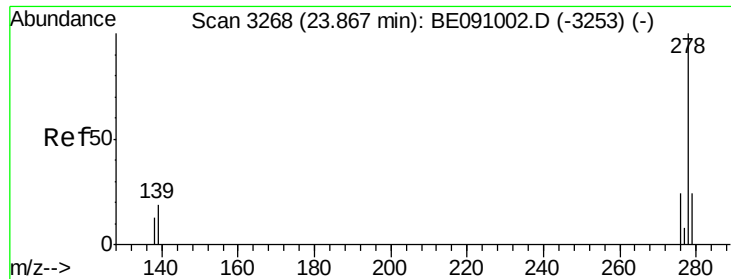
138 18.5 18.1 27.1

277 19.2 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



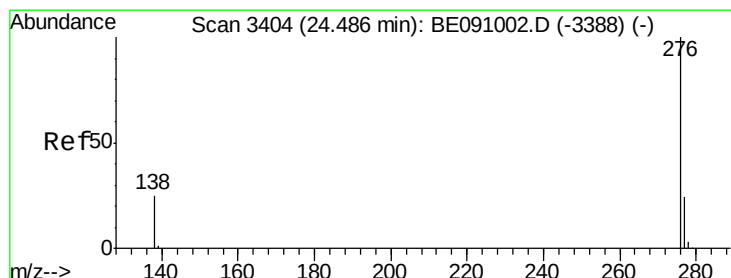
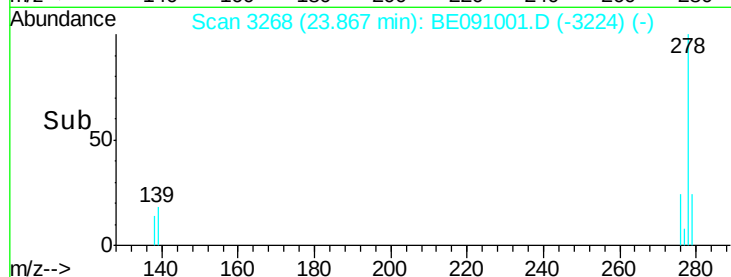
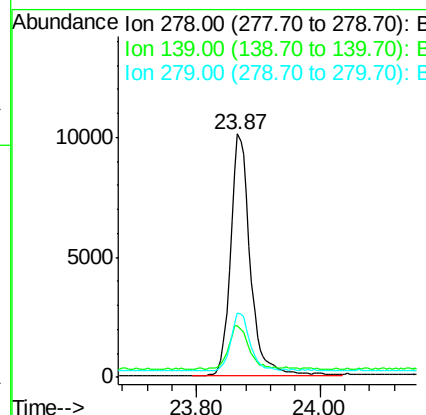
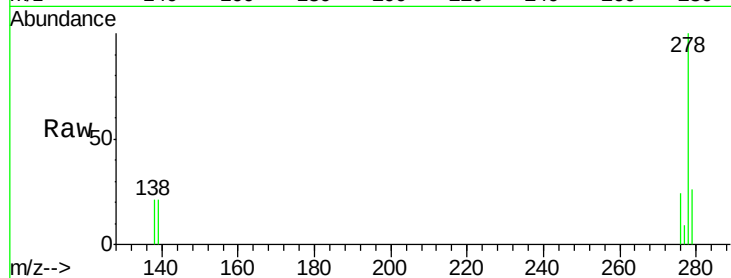


#25
Dibenzo(a,h)anthracene
Concen: 0.21 ng/ul
RT: 23.87 min Scan# 3268
Delta R.T. 0.00 min
Lab File: BE091001.D
Acq: 12 Oct 2015 19:17

Instrument :
BNA_E
ClientSampleId :
SSTD0.268

Tot Ion:278 Resp: 22069

Ion	Ratio	Lower	Upper
278	100		
139	21.1	16.1	24.1
279	26.3	20.1	30.1



#26
Benzo(g,h,i)perylene
Concen: 0.21 ng/ul
RT: 24.48 min Scan# 3403
Delta R.T. -0.00 min
Lab File: BE091001.D
Acq: 12 Oct 2015 19:17

Tgt Ion:276 Resp: 23604

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.7	29.5
138	32.2	22.6	34.0

