

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101415\
 Data File : BE091007.D
 Acq On : 14 Oct 2015 16:56
 Operator : UM/IZ
 Sample : SSTD0.173
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.173

Quant Time: Oct 15 05:34:48 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE101415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 05:25:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	5769	0.40	ng/ul	0.00
2) Naphthalene-d8	9.63	136	26353	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.45	164	15114	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.17	188	40021	0.40	ng/ul	0.01
16) Chrysene-d12	20.32	240	55669	0.40	ng/ul	0.00
20) Perylene-d12	22.23	264	54914	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.14	152	2952	0.01	ng/ul	0.00
14) Fluoranthene-d10	18.16	212	10216	0.10	ng/ul	0.00

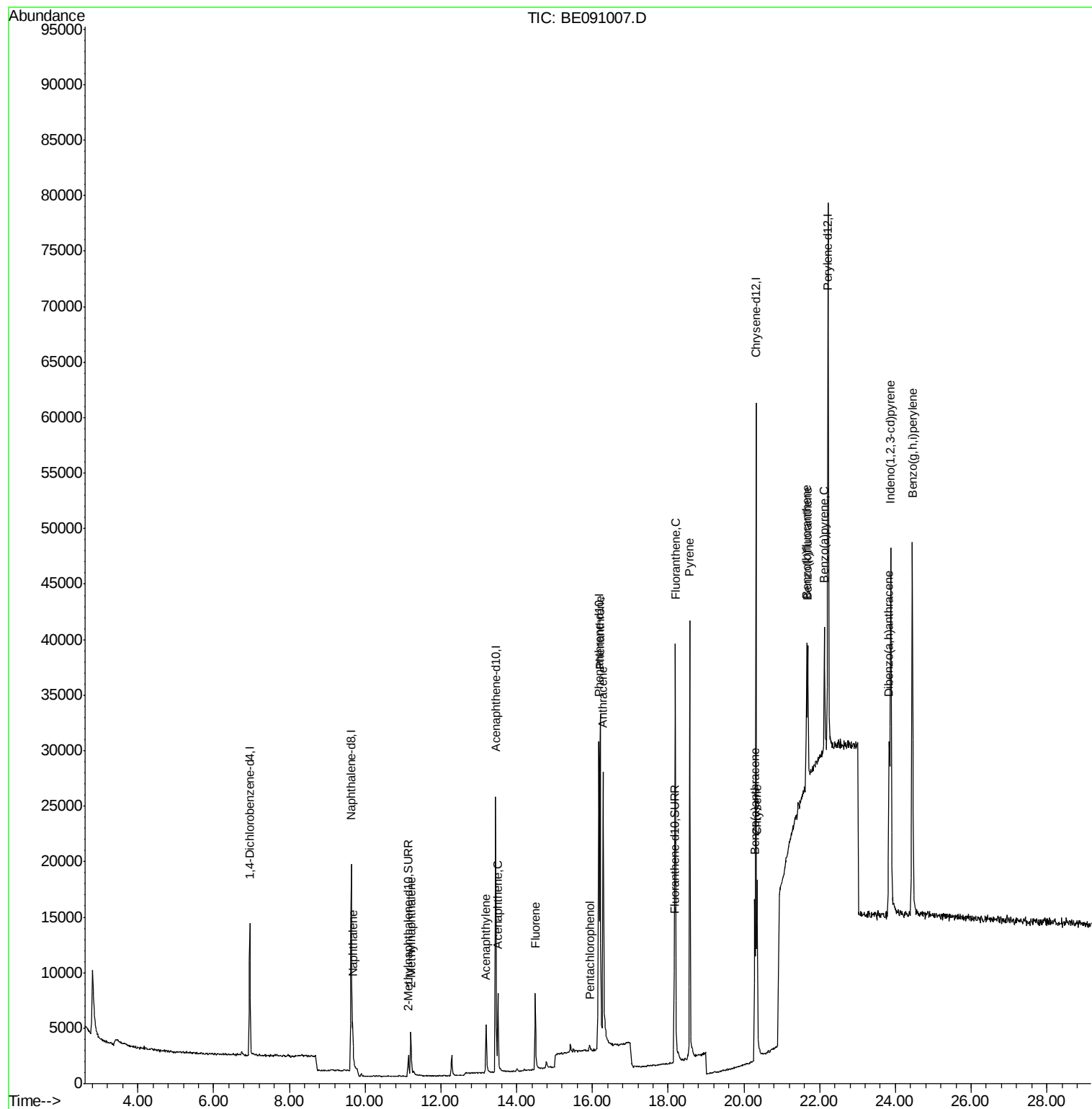
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	9.67	128	7161	0.11	ng/ul#	94
5) 2-Methylnaphthalene	11.21	142	3403	0.08	ng/ul	99
7) Acenaphthylene	13.19	152	5733	0.02	ng/ul#	92
8) Acenaphthene	13.51	153	4182	0.02	ng/ul	94
9) Fluorene	14.49	166	5164	0.08	ng/ul#	93
11) Pentachlorophenol	15.93	266	556	0.11	ng/ul	93
12) Phenanthrene	16.21	178	36293	0.22	ng/ul#	92
13) Anthracene	16.28	178	35341	0.23	ng/ul#	93
15) Fluoranthene	18.19	202	47046	0.24	ng/ul	97
17) Pyrene	18.57	202	49402	0.23	ng/ul	95
18) Benzo(a)anthracene	20.29	228	12394	0.08	ng/ul	97
19) Chrysene	20.35	228	13359	0.09	ng/ul	96
21) Benzo(b)fluoranthene	21.66	252	13594	0.08	ng/ul#	35
22) Benzo(k)fluoranthene	21.68	252	14435	0.09	ng/ul#	30
23) Benzo(a)pyrene	22.13	252	13077	0.08	ng/ul#	28
24) Indeno(1,2,3-cd)pyrene	23.88	276	63403	0.27	ng/ul#	93
25) Dibenzo(a,h)anthracene	23.84	278	13135	0.08	ng/ul#	58
26) Benzo(g,h,i)perylene	24.45	276	53750	0.22	ng/ul#	57

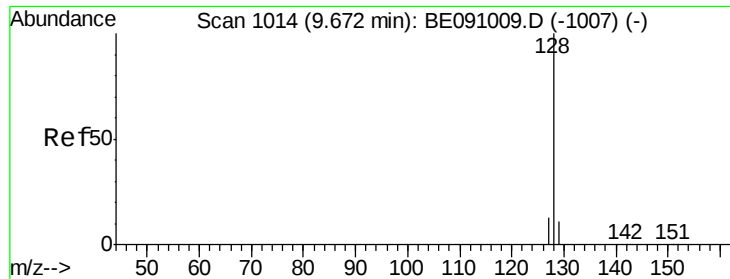
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 9.67 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.173

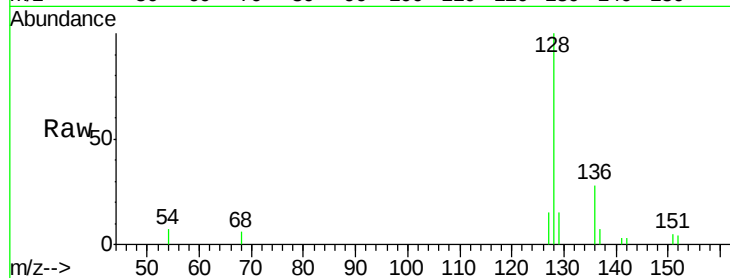
Tot Ion:128 Resp: 7161

Ion Ratio Lower Upper

128 100

129 14.6 9.0 13.4#

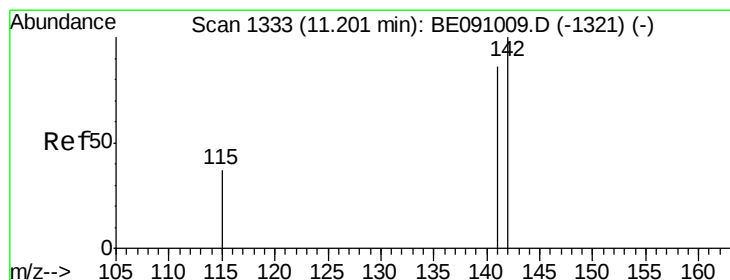
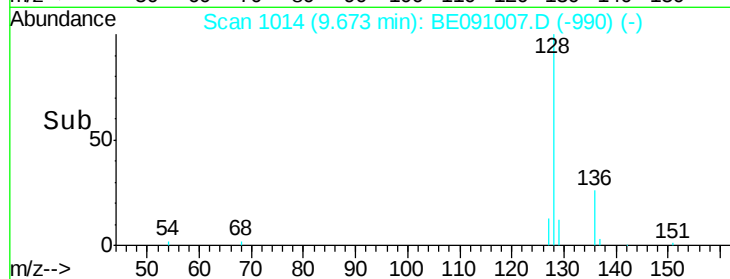
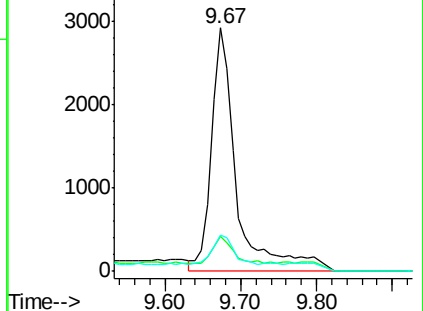
127 15.1 10.7 16.1



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: 0.08 ng/ul

RT: 11.21 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BE091007.D

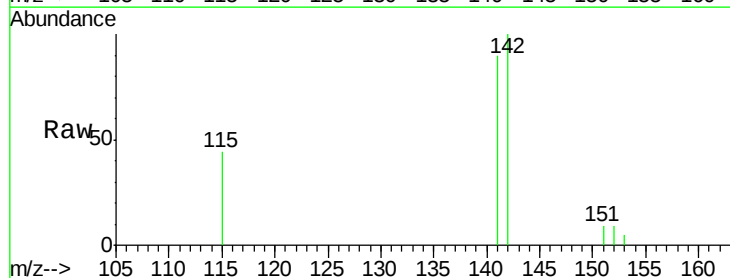
Acq: 14 Oct 2015 16:56

Tgt Ion:142 Resp: 3403

Ion Ratio Lower Upper

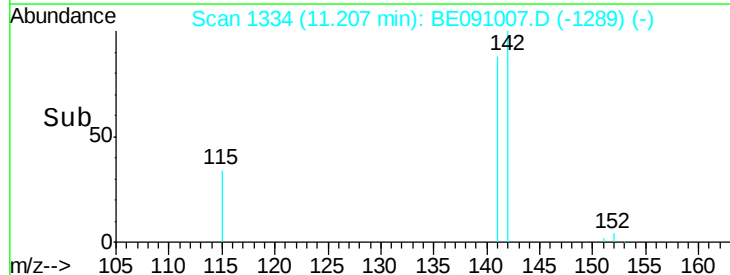
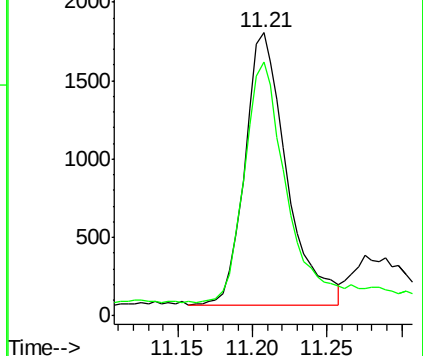
142 100

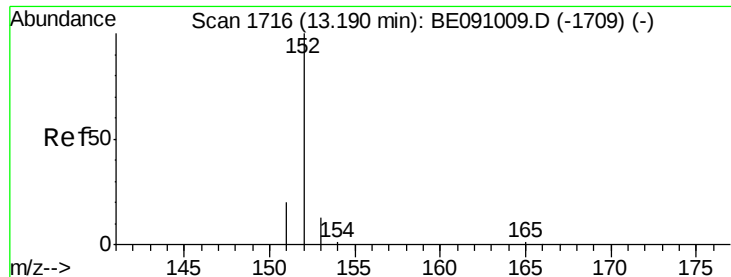
141 98.5 79.4 119.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.02 ng/ul

RT: 13.19 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.173

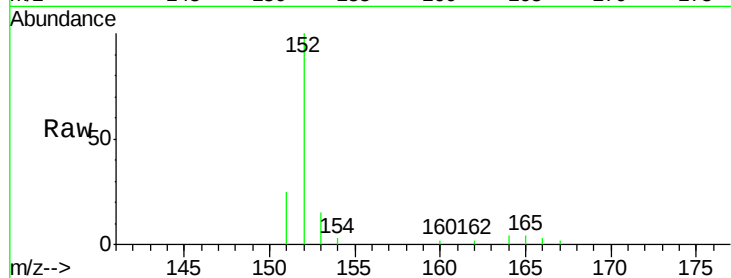
Tot Ion:152 Resp: 5733

Ion Ratio Lower Upper

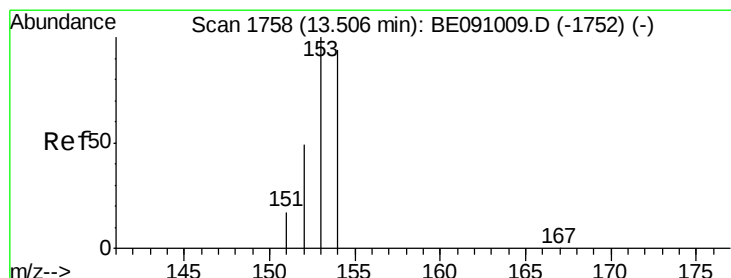
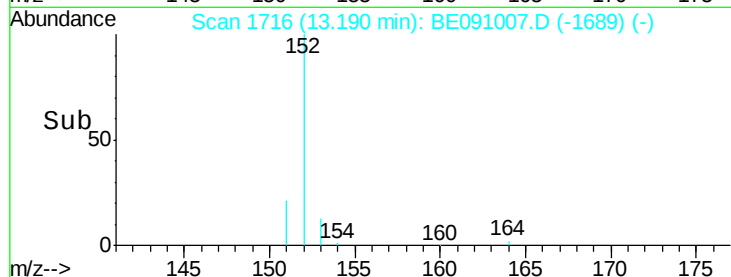
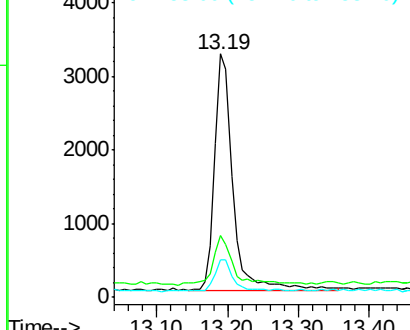
152 100

151 25.5 16.6 24.8#

153 15.3 10.7 16.1



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: 0.02 ng/ul

RT: 13.51 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

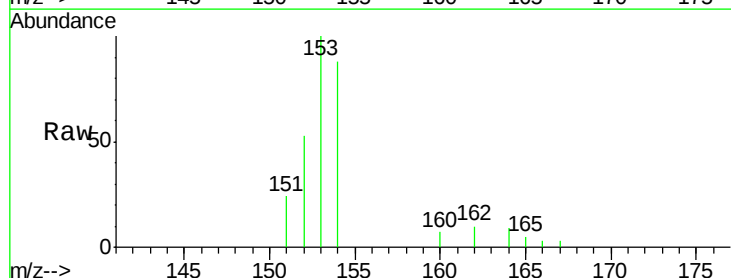
Tgt Ion:153 Resp: 4182

Ion Ratio Lower Upper

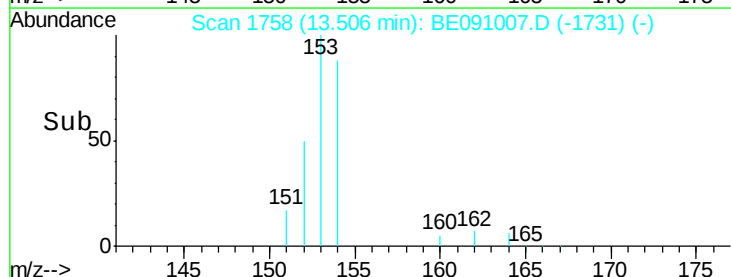
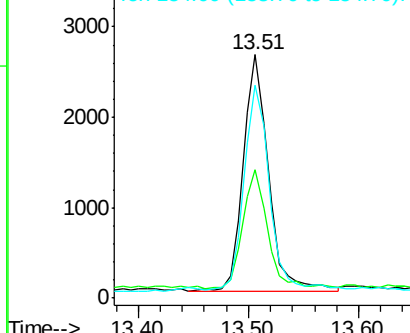
153 100

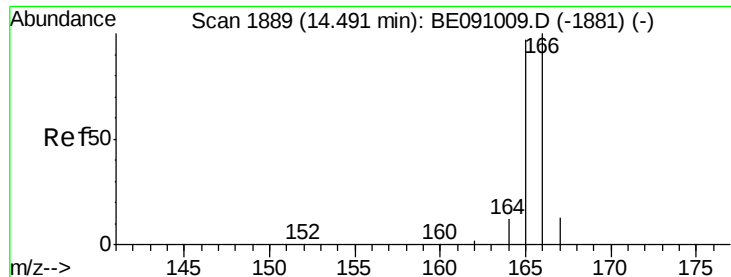
152 52.9 39.8 59.8

154 87.6 75.4 113.2



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: 0.08 ng/ul

RT: 14.49 min Scan# 1889

Delta R.T. 0.00 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.173

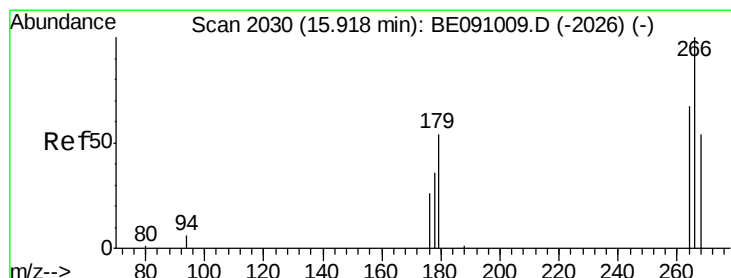
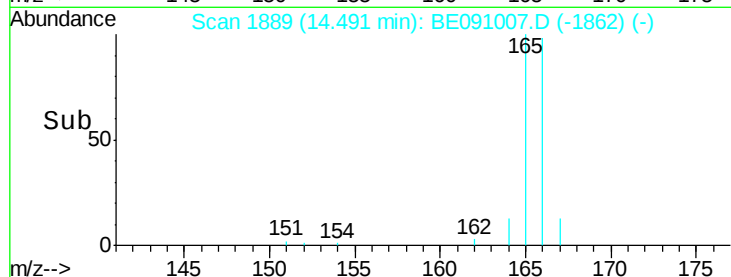
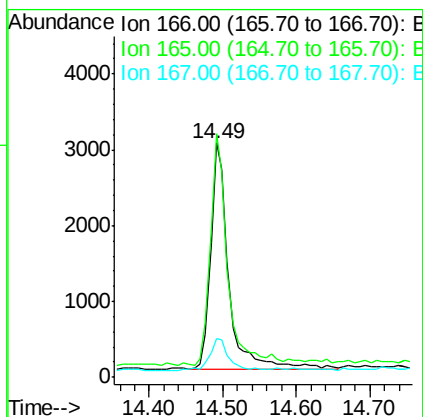
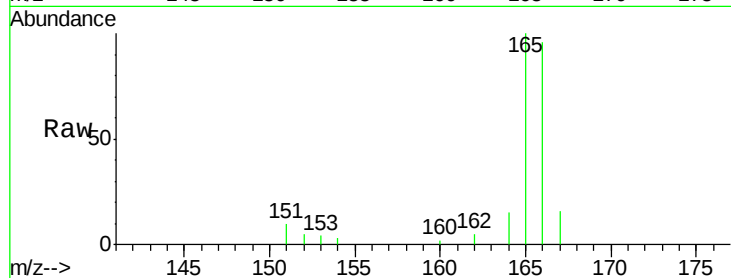
Tot Ion:166 Resp: 5164

Ion Ratio Lower Upper

166 100

165 103.9 77.7 116.5

167 16.5 10.9 16.3#



#11

Pentachlorophenol

Concen: 0.11 ng/ul

RT: 15.93 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

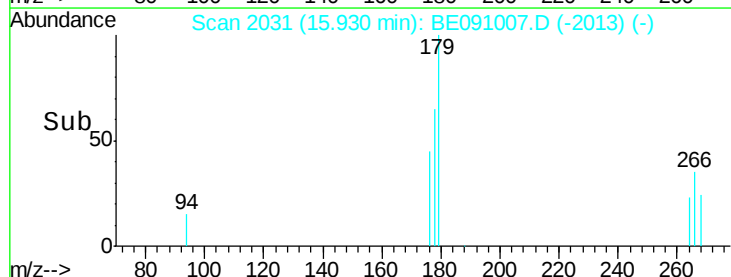
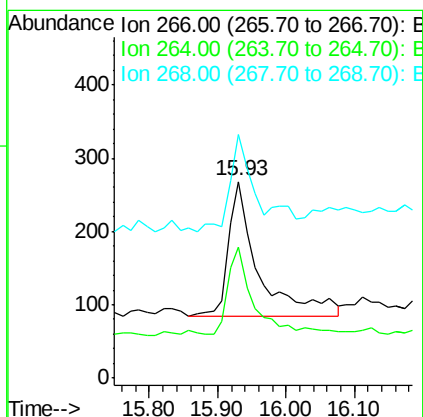
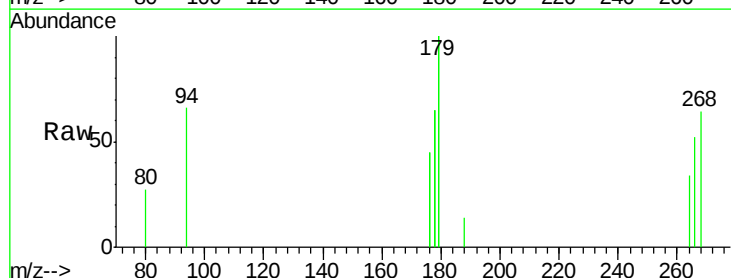
Tgt Ion:266 Resp: 556

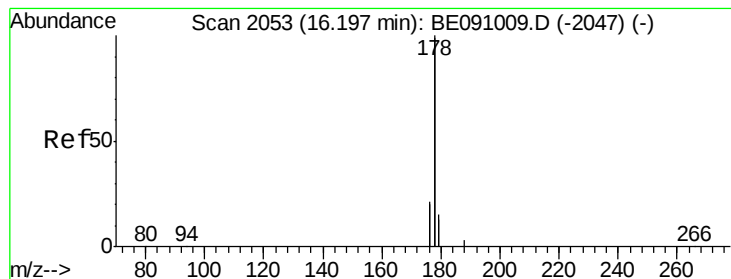
Ion Ratio Lower Upper

266 100

264 55.8 50.7 76.1

268 68.9 57.6 86.4





#12

Phenanthrene

Concen: 0.22 ng/ul

RT: 16.21 min Scan# 2054

Delta R.T. 0.01 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.173

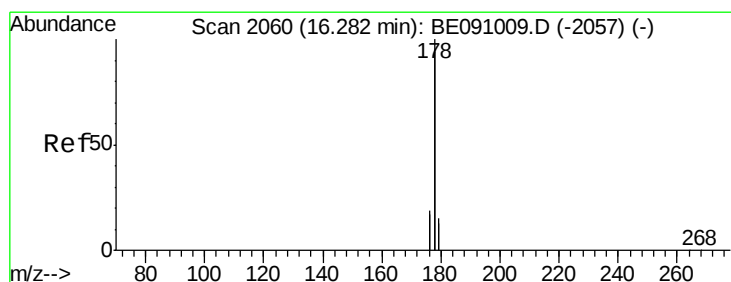
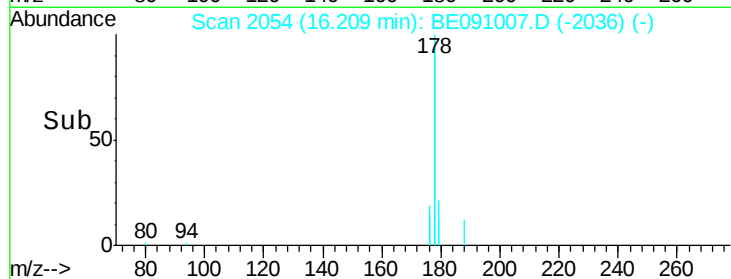
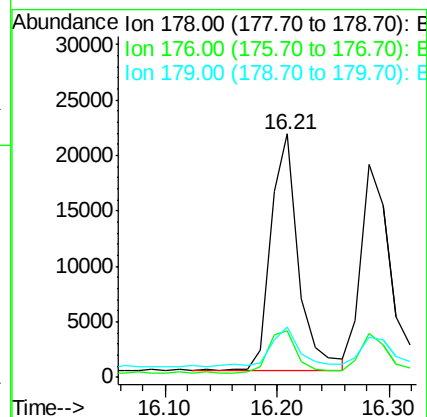
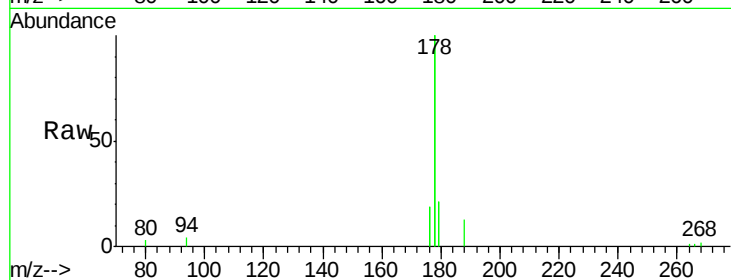
Tot Ion:178 Resp: 36293

Ion Ratio Lower Upper

178 100

176 19.3 16.9 25.3

179 20.9 12.0 18.0#



#13

Anthracene

Concen: 0.23 ng/ul

RT: 16.28 min Scan# 2060

Delta R.T. 0.00 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

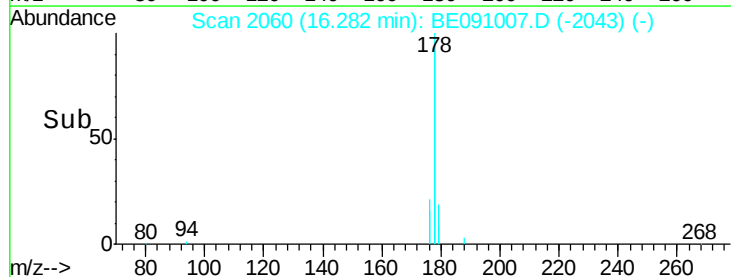
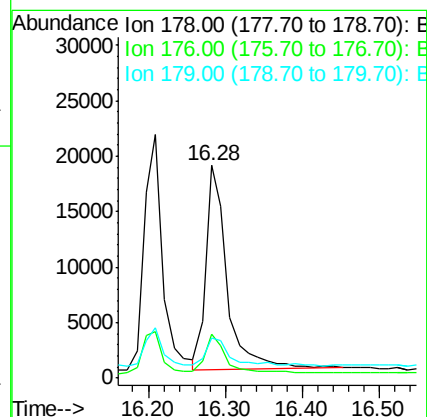
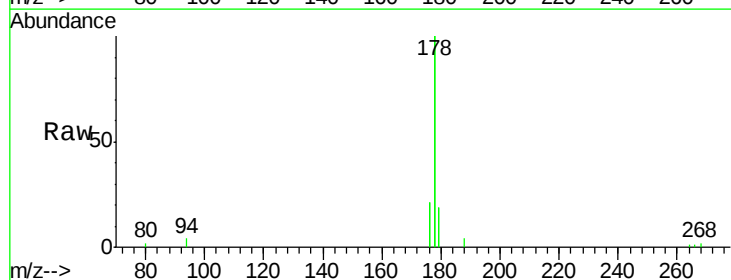
Tgt Ion:178 Resp: 35341

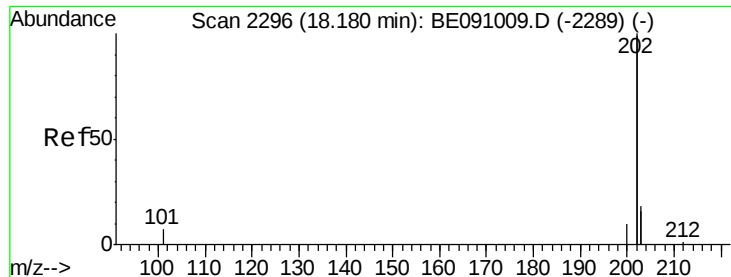
Ion Ratio Lower Upper

178 100

176 20.9 14.9 22.3

179 18.9 12.3 18.5#





#15

Fluoranthene

Concen: 0.24 ng/ul

RT: 18.19 min Scan# 2297

Delta R.T. 0.01 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.173

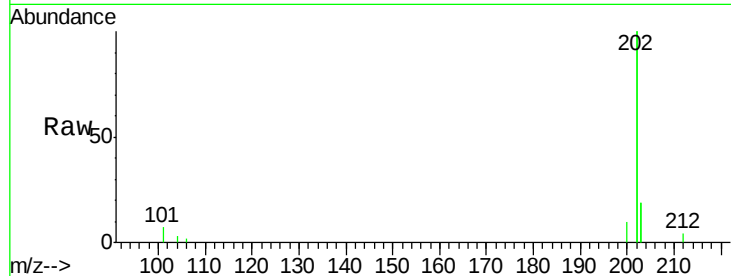
Tot Ion:202 Resp: 47046

Ion Ratio Lower Upper

202 100

101 3.7 0.0 23.7

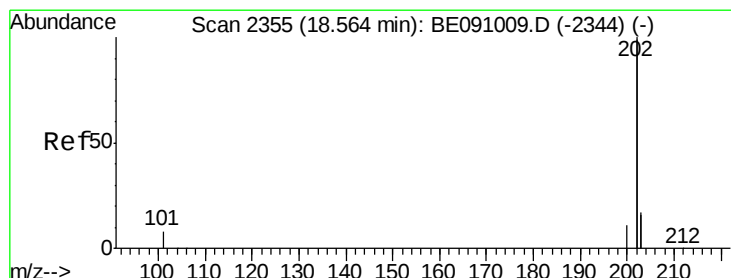
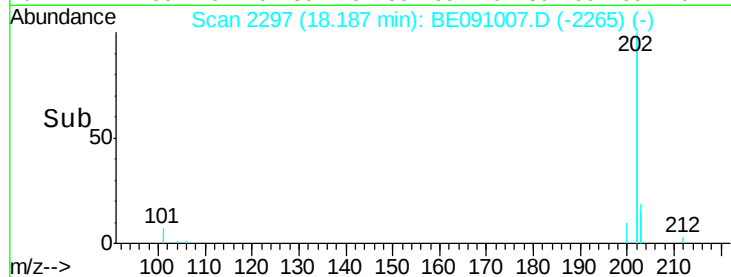
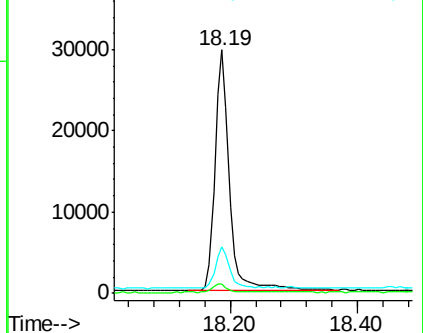
203 19.1 0.0 37.5



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



#17

Pyrene

Concen: 0.23 ng/ul

RT: 18.57 min Scan# 2356

Delta R.T. 0.01 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

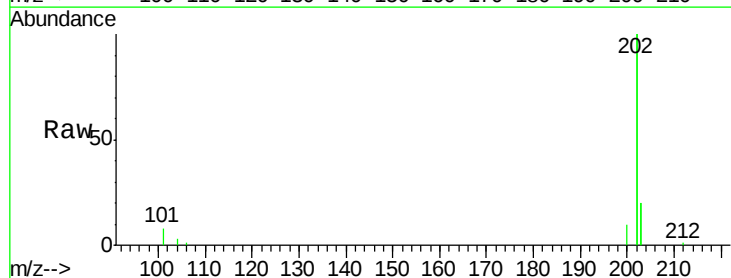
Tgt Ion:202 Resp: 49402

Ion Ratio Lower Upper

202 100

200 5.1 4.3 6.5

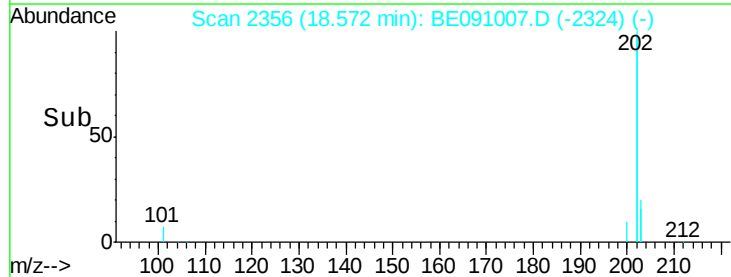
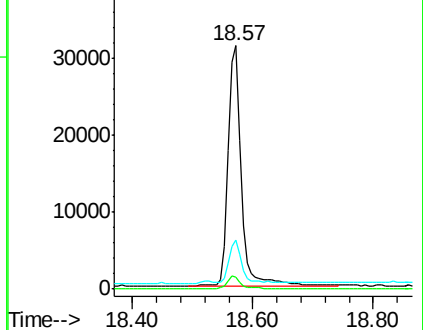
203 20.2 13.9 20.9

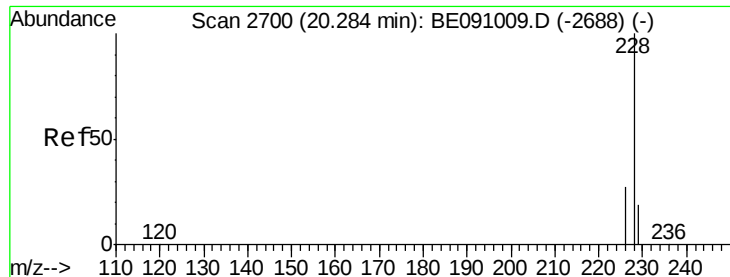


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.08 ng/ul

RT: 20.29 min Scan# 2700

Delta R.T. 0.00 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

Instrument :

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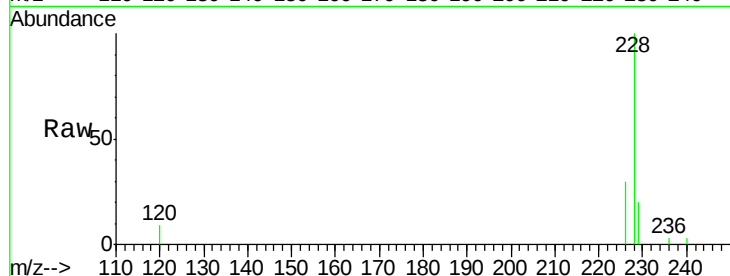
Tot Ion:228 Resp: 12394

Ion Ratio Lower Upper

228 100

226 30.2 22.1 33.1

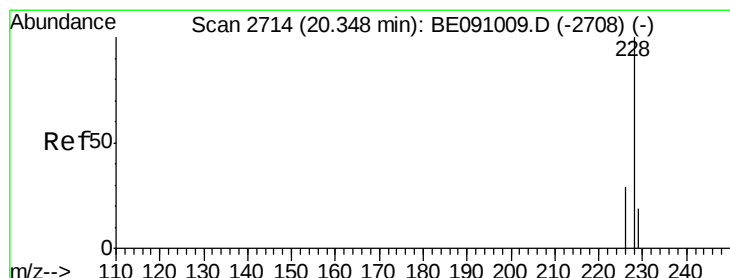
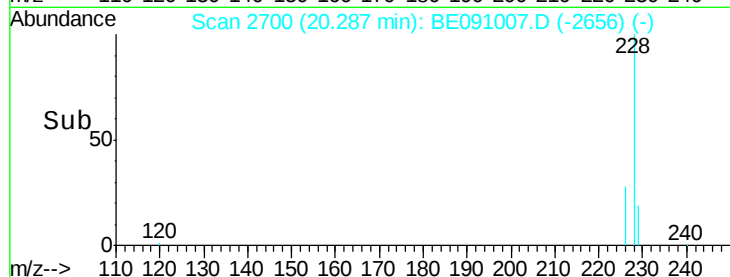
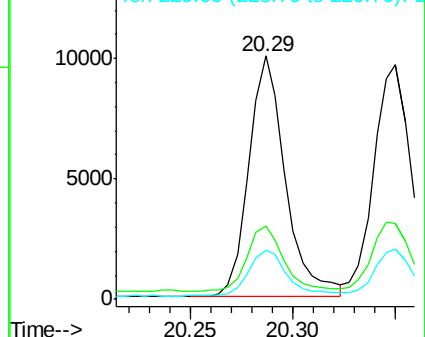
229 19.9 15.8 23.6



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: 20.35 min Scan# 2714

Delta R.T. 0.00 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

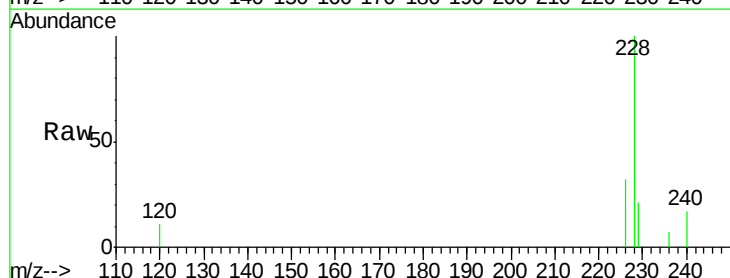
Tgt Ion:228 Resp: 13359

Ion Ratio Lower Upper

228 100

226 32.2 23.6 35.4

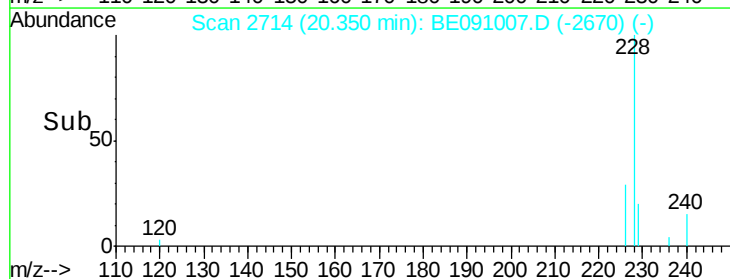
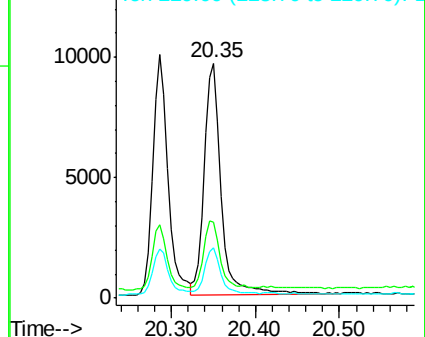
229 21.5 15.8 23.8

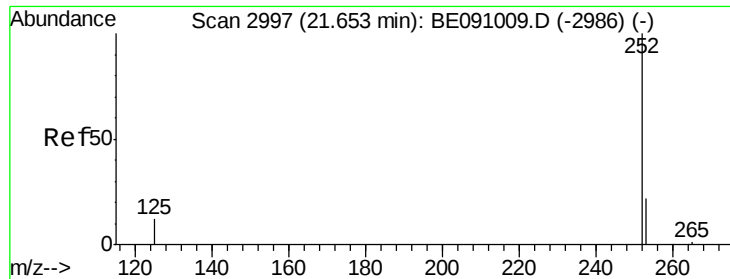


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.08 ng/ul

RT: 21.66 min Scan# 2997

Delta R.T. 0.00 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

Instrument :

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ClientSampleId :

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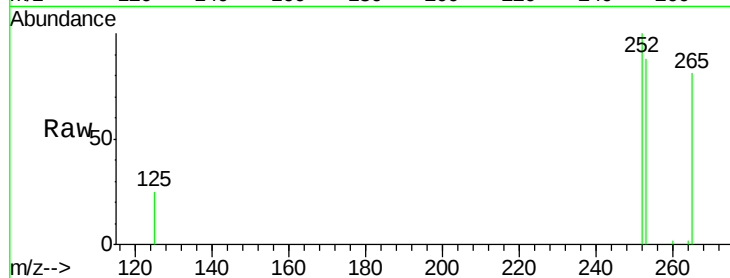
Tot Ion:252 Resp: 13594

Ion Ratio Lower Upper

252 100

253 88.1 0.0 76.2#

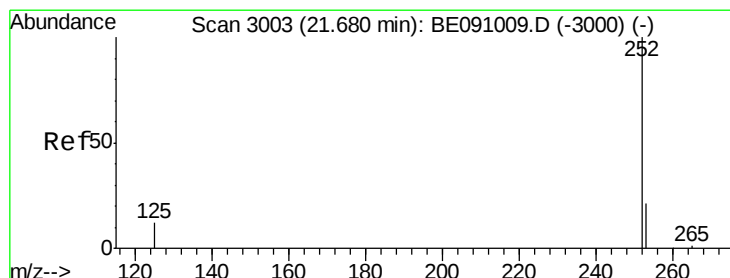
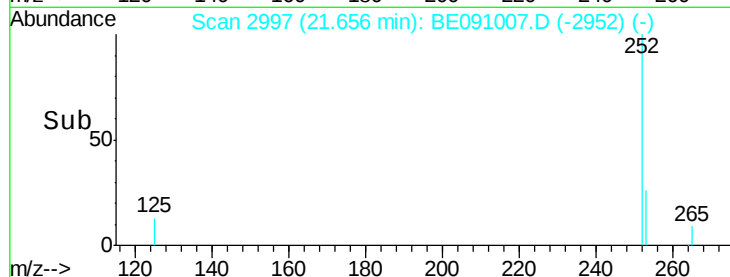
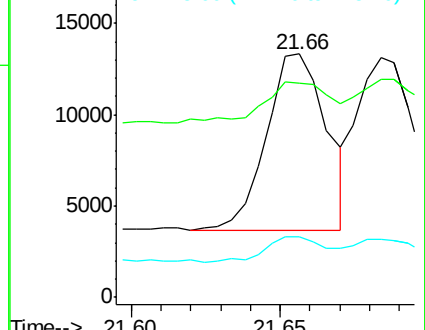
125 24.6 0.0 31.2



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



#22

Benzo(k)fluoranthene

Concen: 0.09 ng/ul

RT: 21.68 min Scan# 3003

Delta R.T. 0.00 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

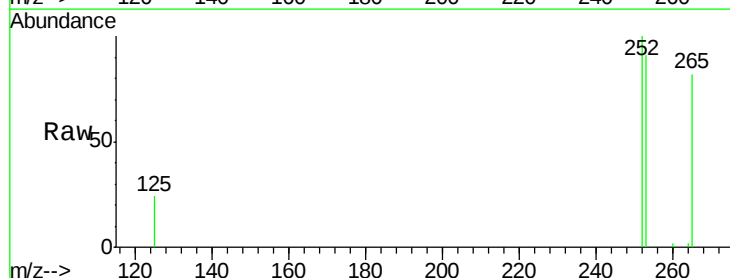
Tgt Ion:252 Resp: 14435

Ion Ratio Lower Upper

252 100

253 90.9 29.8 44.6#

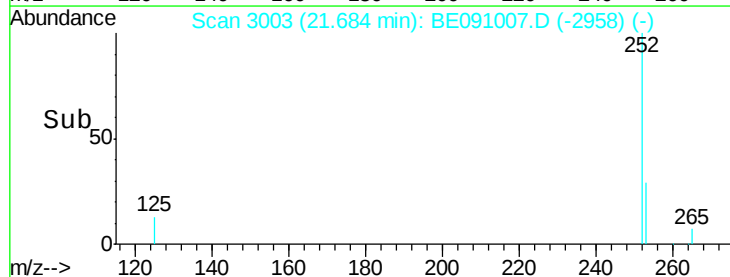
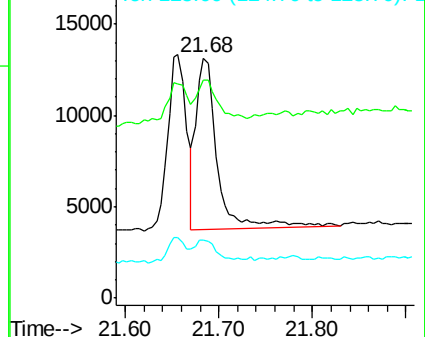
125 24.0 12.2 18.4#

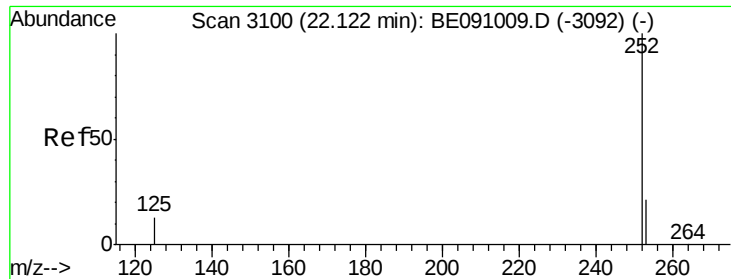


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 22.13 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.173

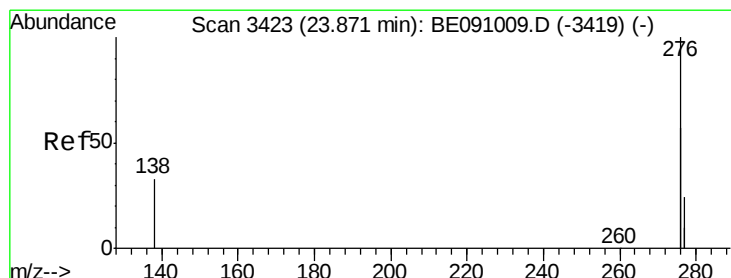
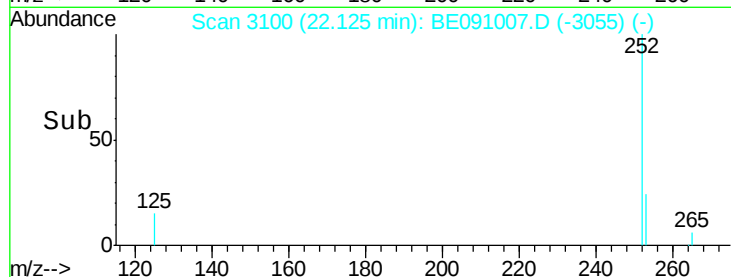
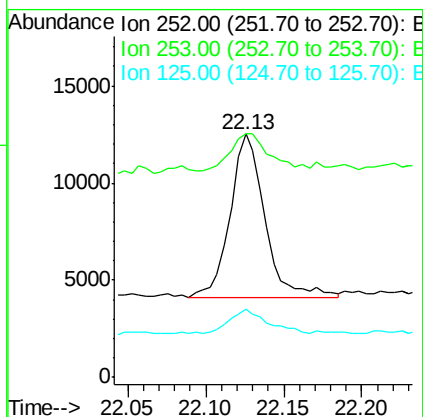
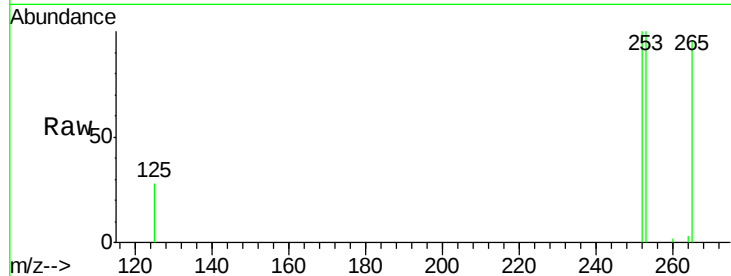
Tot Ion:252 Resp: 13077

Ion Ratio Lower Upper

252 100

253 99.9 34.0 51.0#

125 28.1 13.6 20.4#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.27 ng/ul

RT: 23.88 min Scan# 3424

Delta R.T. 0.01 min

Lab File: BE091007.D

Acq: 14 Oct 2015 16:56

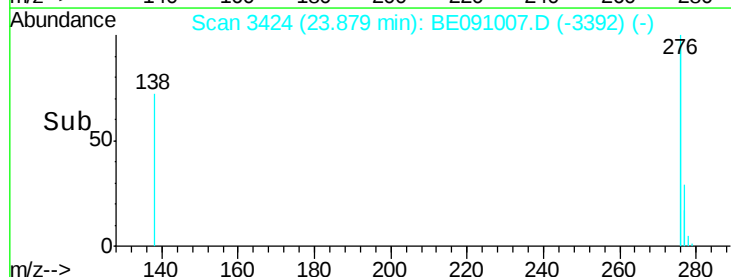
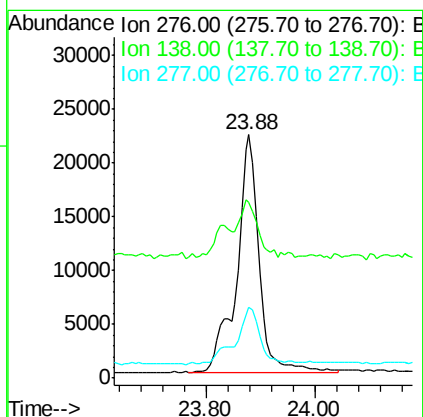
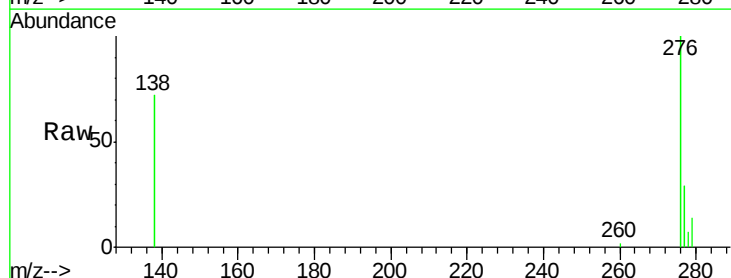
Tgt Ion:276 Resp: 63403

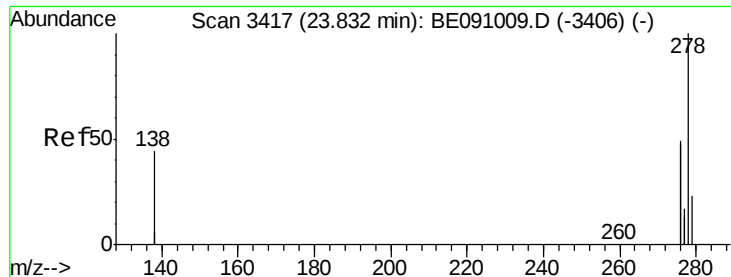
Ion Ratio Lower Upper

276 100

138 18.6 19.5 29.3#

277 25.3 19.4 29.0

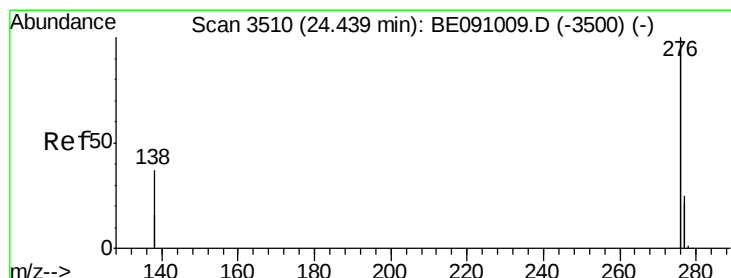
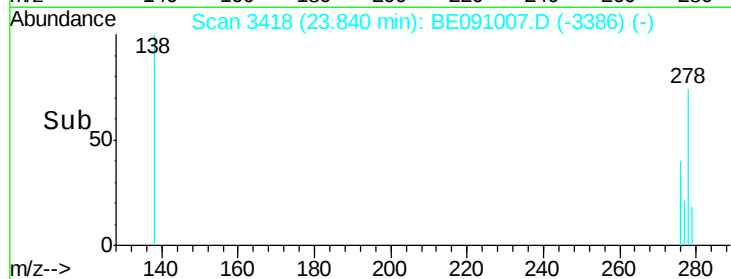
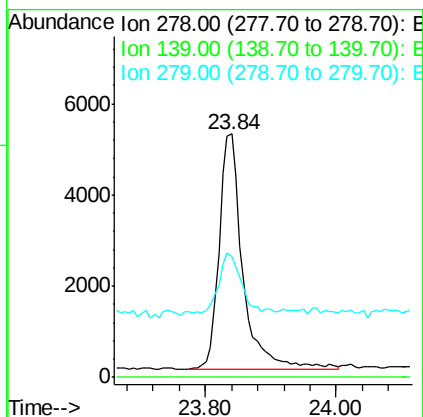
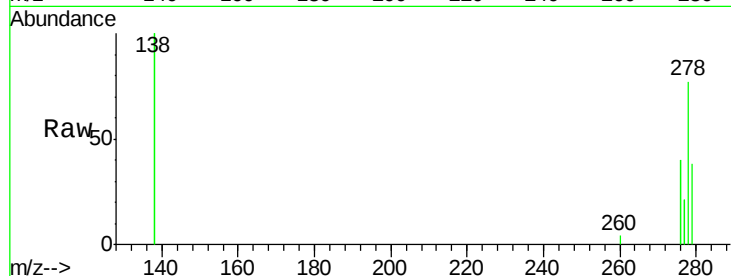




#25
Dibenzo(a,h)anthracene
Concen: 0.08 ng/ul
RT: 23.84 min Scan# 3418
Delta R.T. 0.01 min
Lab File: BE091007.D
Acq: 14 Oct 2015 16:56

Instrument :
BNA_E
ClientSampleId :
SSTD0.173

Tot Ion:278 Resp: 13135
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 49.8 22.1 33.1#



#26
Benzo(g,h,i)perylene
Concen: 0.22 ng/ul
RT: 24.45 min Scan# 3511
Delta R.T. 0.01 min
Lab File: BE091007.D
Acq: 14 Oct 2015 16:56

Tgt Ion:276 Resp: 53750
Ion Ratio Lower Upper
276 100
277 30.4 19.8 29.8#
138 75.6 29.4 44.2#

