

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101215\
 Data File : BE091003.D
 Acq On : 12 Oct 2015 20:29
 Operator : UM/IZ
 Sample : SSTD0.870
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.870

Quant Time: Oct 13 07:09:11 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	6.96	152	4499	0.40	ng/ul	0.00
2) Naphthalene-d8	9.63	136	20220	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.46	164	10887	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.18	188	26479	0.40	ng/ul	0.01
16) Chrysene-d12	20.33	240	33264	0.40	ng/ul	0.00
20) Perylene-d12	22.24	264	33809	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	13.20	152	171217	2.57	ng/ul	0.00
14) Fluoranthene-d10	18.17	212	61957	0.93	ng/ul	0.00

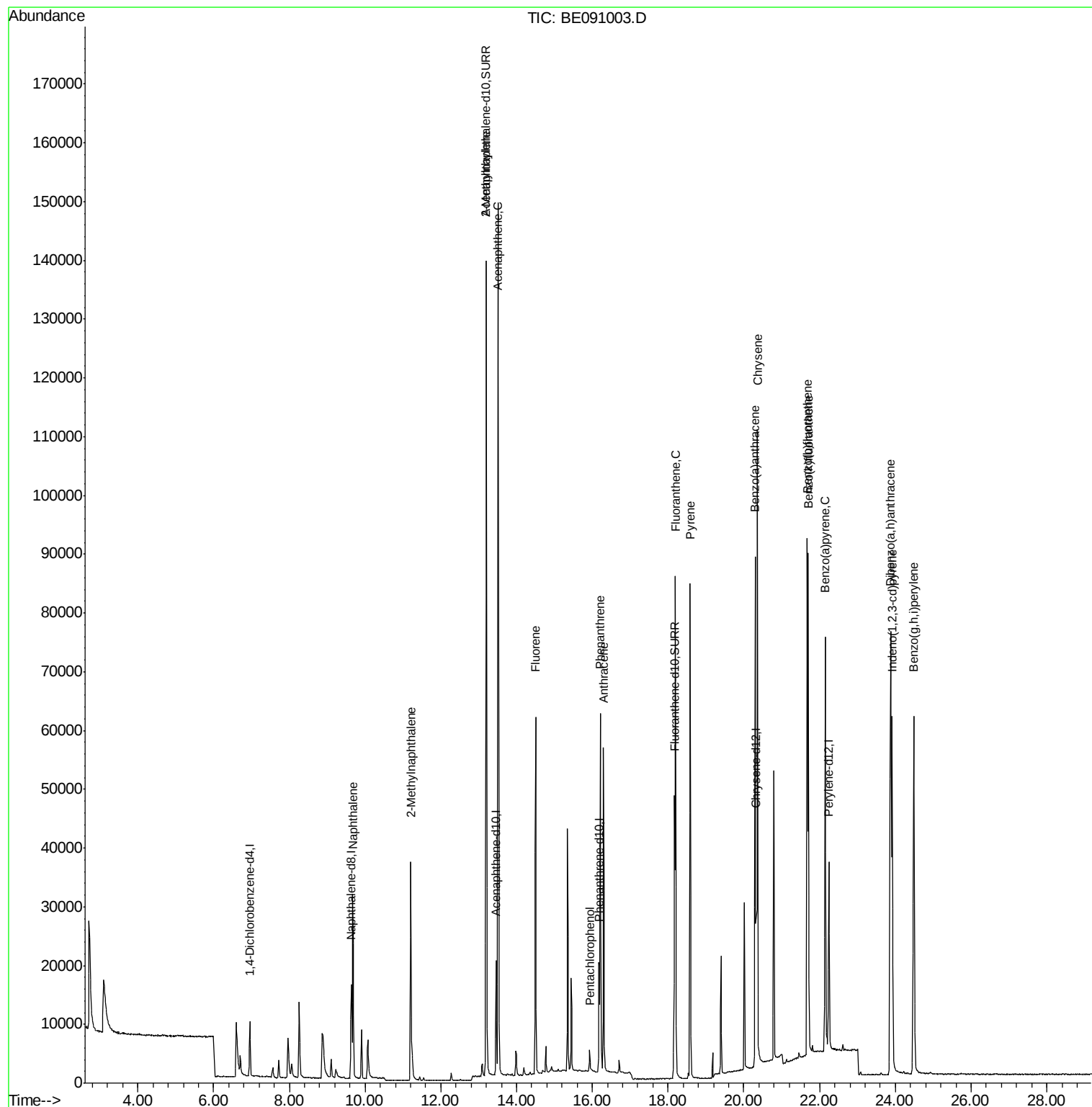
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	9.68	128	42017	0.79	ng/ul	99
5) 2-Methylnaphthalene	11.20	142	33745	0.93	ng/ul	83
7) Acenaphthylene	13.20	152	171217	2.28	ng/ul	100
8) Acenaphthene	13.51	153	123237	1.96	ng/ul	98
9) Fluorene	14.50	166	37720	0.81	ng/ul	99
11) Pentachlorophenol	15.93	266	2605	1.32	ng/ul	94
12) Phenanthrene	16.21	178	63086	0.79	ng/ul	100
13) Anthracene	16.29	178	61097	0.79	ng/ul	100
15) Fluoranthene	18.19	202	76048	0.83	ng/ul	94
17) Pyrene	18.58	202	76562	0.62	ng/ul	99
18) Benzo(a)anthracene	20.30	228	75415	0.70	ng/ul	99
19) Chrysene	20.36	228	80388	0.75	ng/ul	99
21) Benzo(b)fluoranthene	21.67	252	89436	0.74	ng/ul	97
22) Benzo(k)fluoranthene	21.70	252	82782	0.70	ng/ul	98
23) Benzo(a)pyrene	22.14	252	81747	0.74	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	23.92	276	87328	0.77	ng/ul	99
25) Dibenzo(a,h)anthracene	23.87	278	87517	0.93	ng/ul	99
26) Benzo(g,h,i)perylene	24.49	276	92898	0.91	ng/ul	97

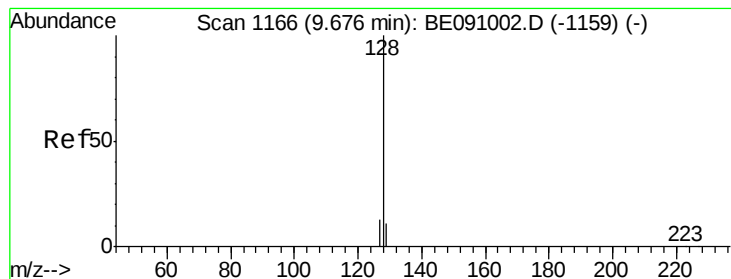
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.79 ng/ul

RT: 9.68 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.870

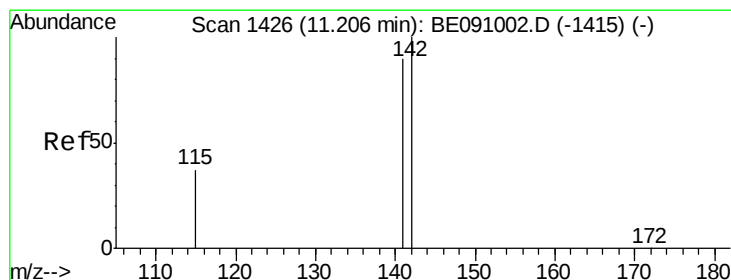
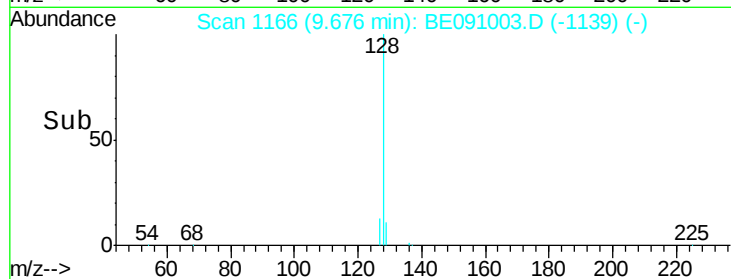
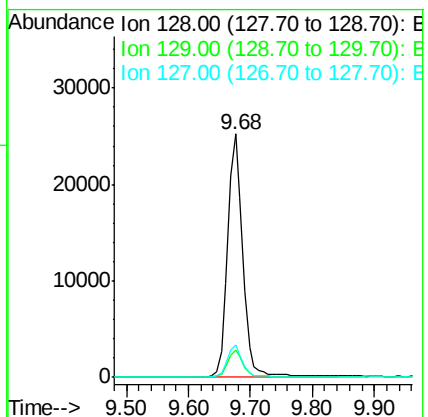
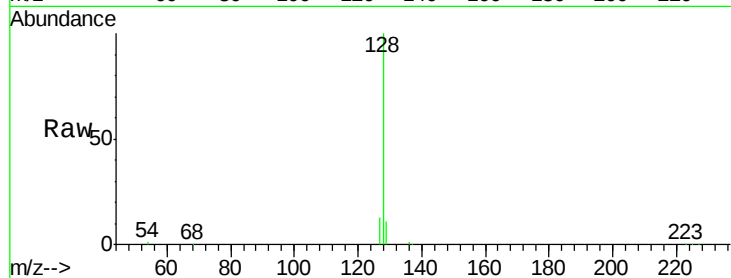
Tot Ion:128 Resp: 42017

Ion Ratio Lower Upper

128 100

129 11.0 9.3 13.9

127 13.3 10.4 15.6



#5

2-Methylnaphthalene

Concen: 0.93 ng/ul

RT: 11.20 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE091003.D

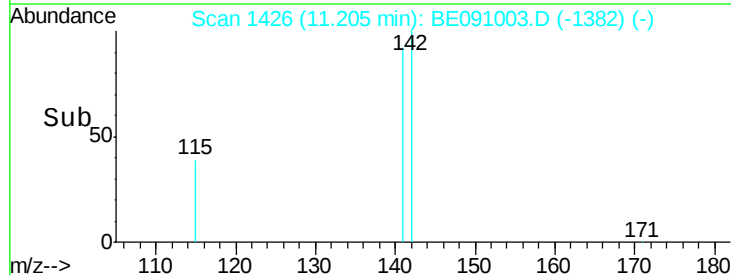
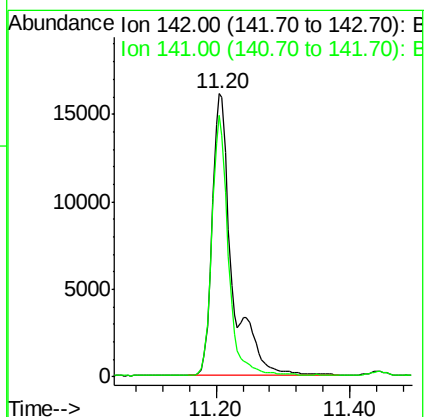
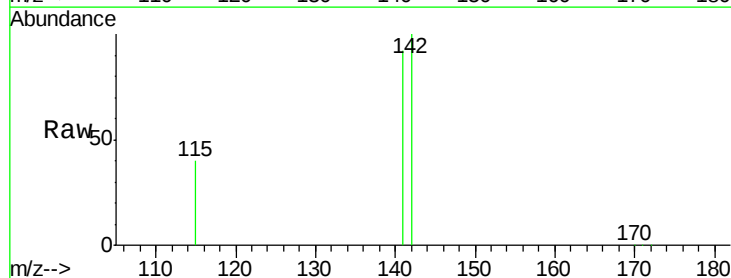
Acq: 12 Oct 2015 20:29

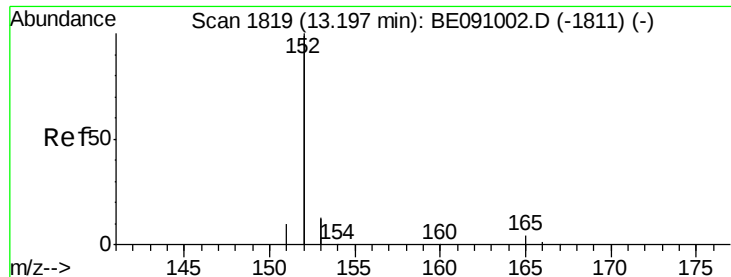
Tgt Ion:142 Resp: 33745

Ion Ratio Lower Upper

142 100

141 75.6 73.7 110.5





#7

Acenaphthylene

Concen: 2.28 ng/ul

RT: 13.20 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.870

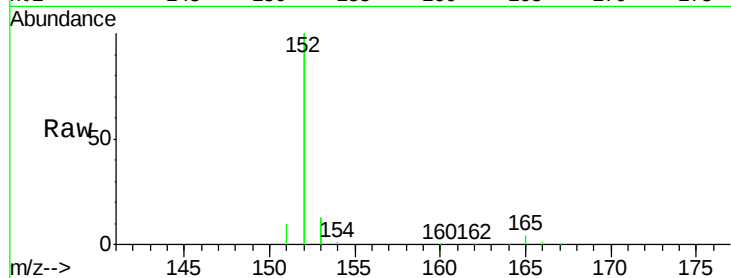
Tot Ion:152 Resp: 171217

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

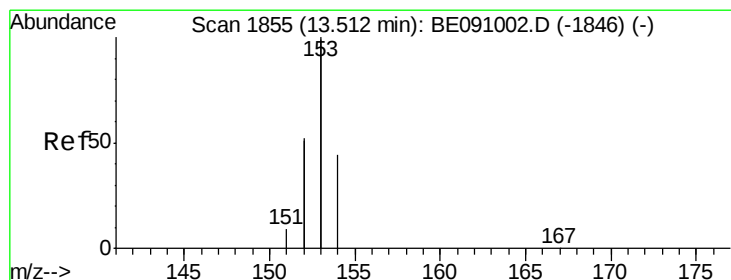
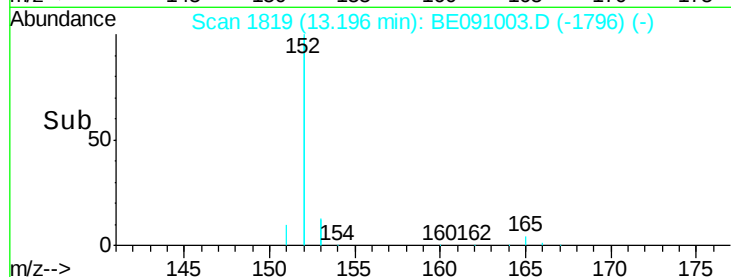
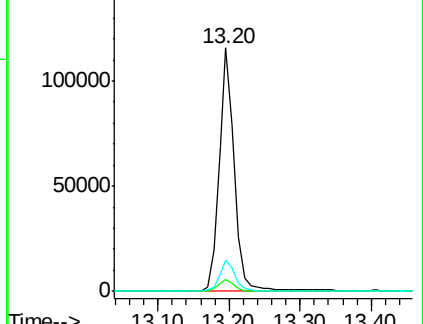
153 13.0 10.6 15.8



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: 1.96 ng/ul

RT: 13.51 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

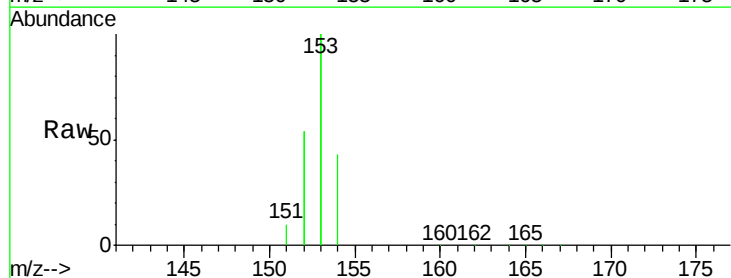
Tgt Ion:153 Resp: 123237

Ion Ratio Lower Upper

153 100

152 53.6 41.8 62.8

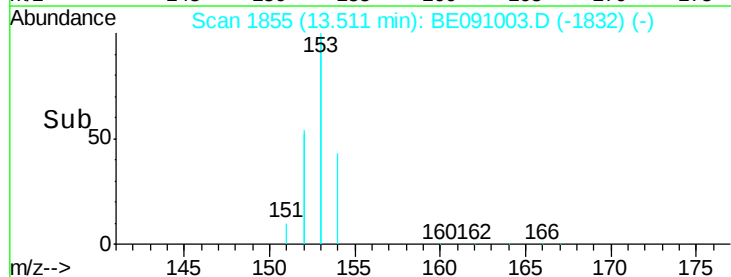
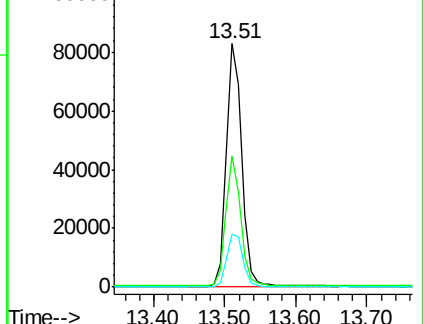
154 21.6 17.8 26.6

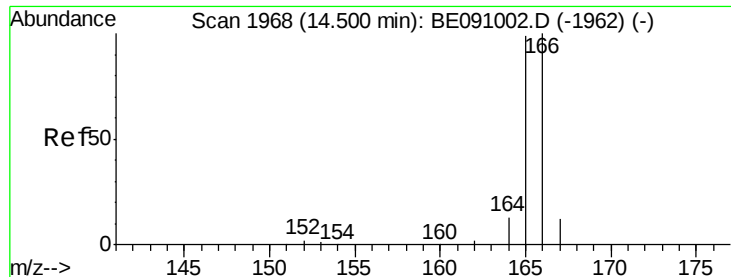


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.81 ng/ul

RT: 14.50 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.870

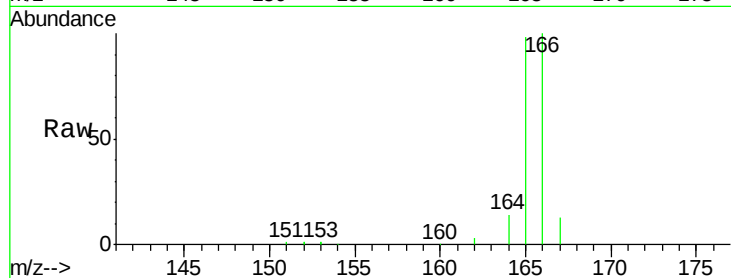
Tot Ion:166 Resp: 37720

Ion Ratio Lower Upper

166 100

165 98.4 79.2 118.8

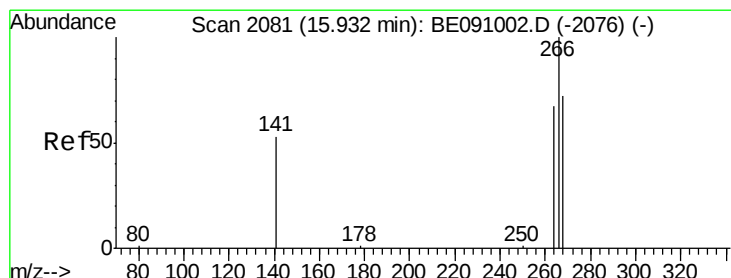
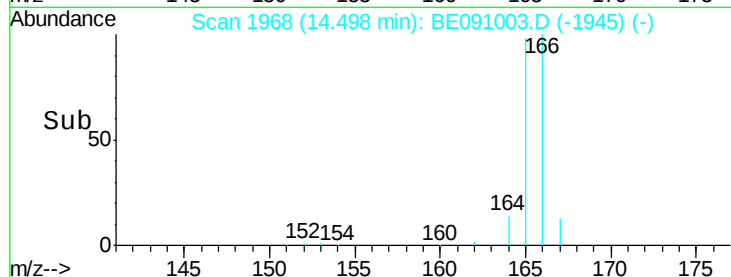
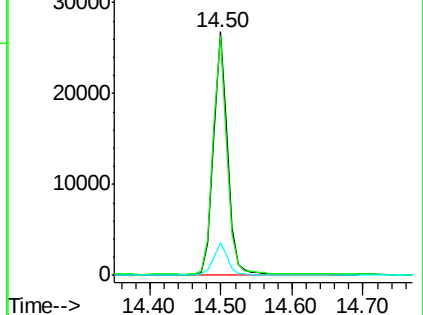
167 13.3 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 1.32 ng/ul

RT: 15.93 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

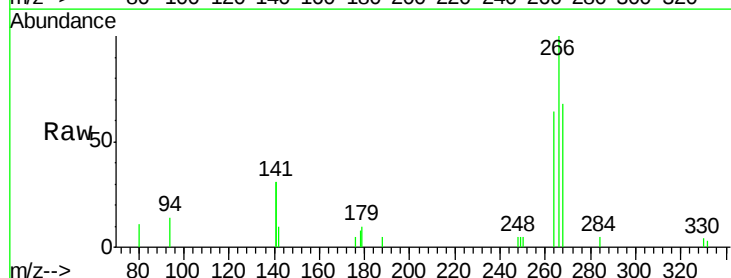
Tgt Ion:266 Resp: 2605

Ion Ratio Lower Upper

266 100

264 63.5 56.5 84.7

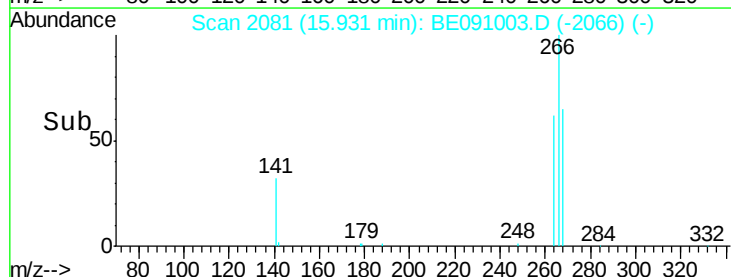
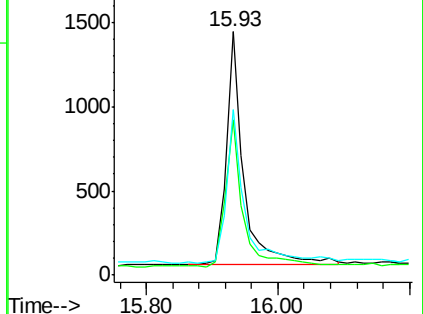
268 68.1 56.6 84.8

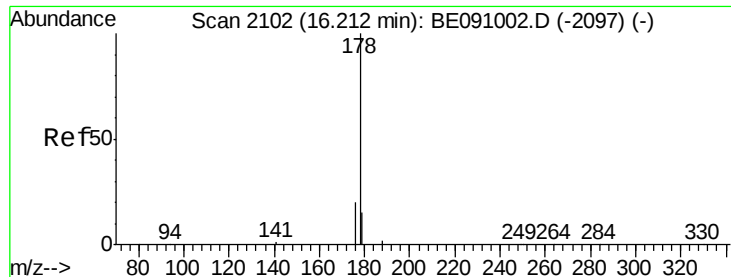


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.79 ng/ul

RT: 16.21 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.870

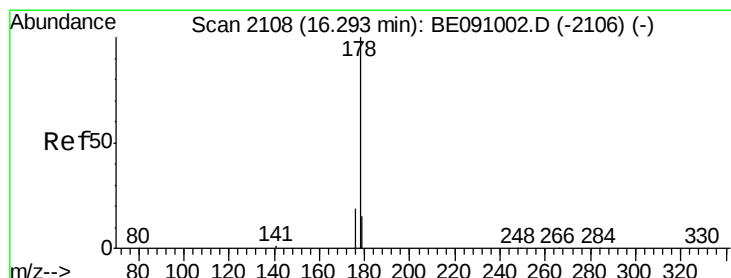
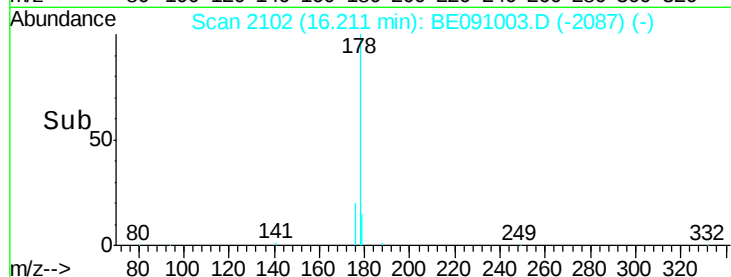
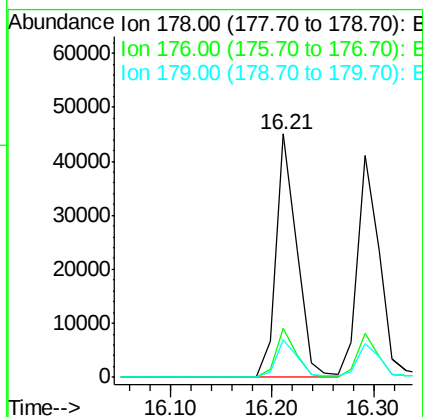
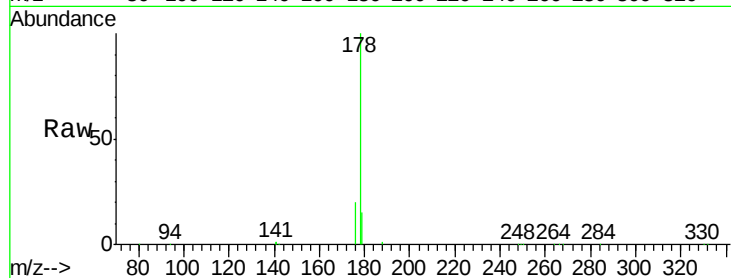
Tot Ion:178 Resp: 63086

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

179 15.2 12.2 18.2



#13

Anthracene

Concen: 0.79 ng/ul

RT: 16.29 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

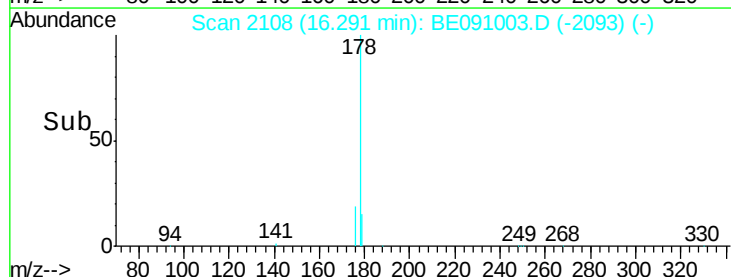
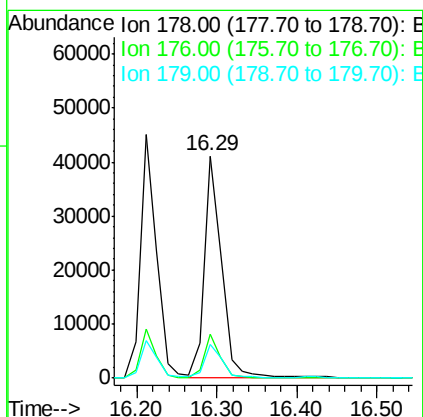
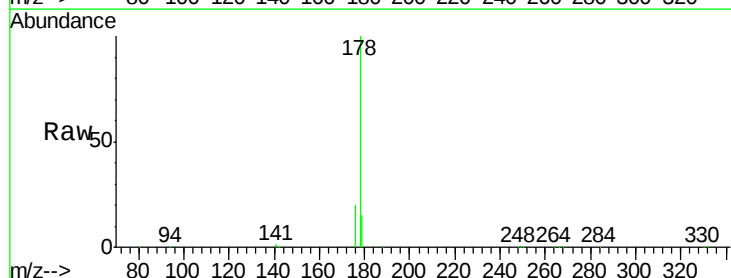
Tgt Ion:178 Resp: 61097

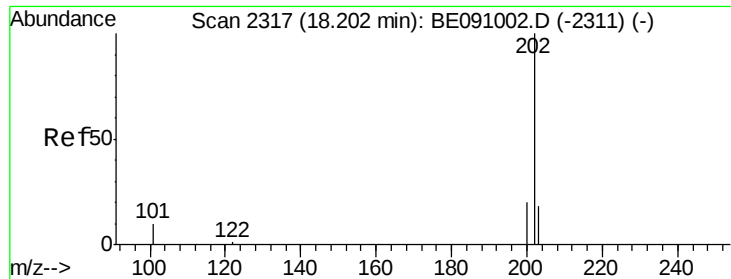
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 15.2 12.2 18.2

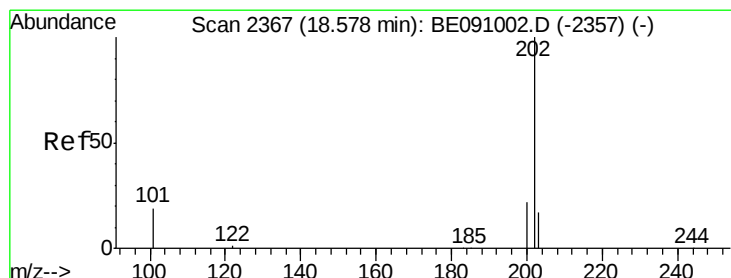
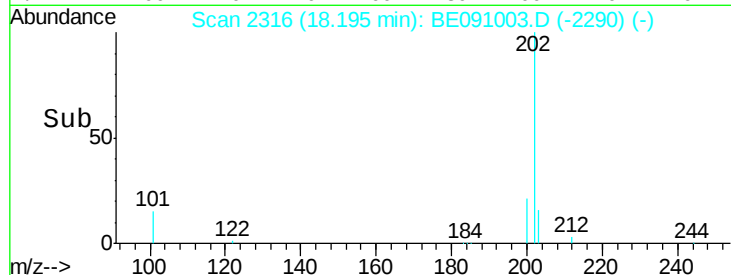
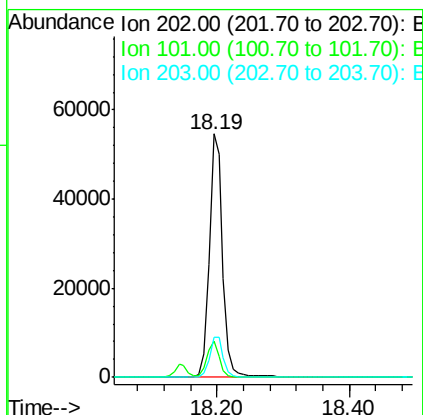
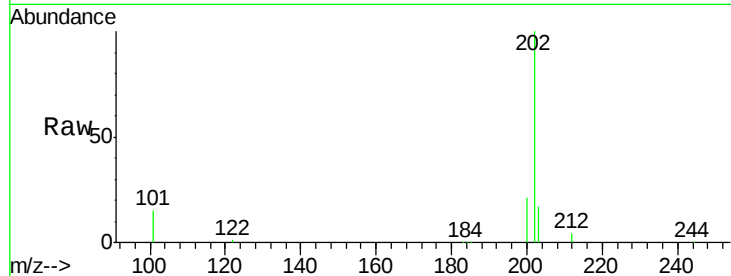




#15
Fluoranthene
 Concen: 0.83 ng/ul
 RT: 18.19 min Scan# 2316
 Delta R.T. -0.01 min
 Lab File: BE091003.D
 Acq: 12 Oct 2015 20:29

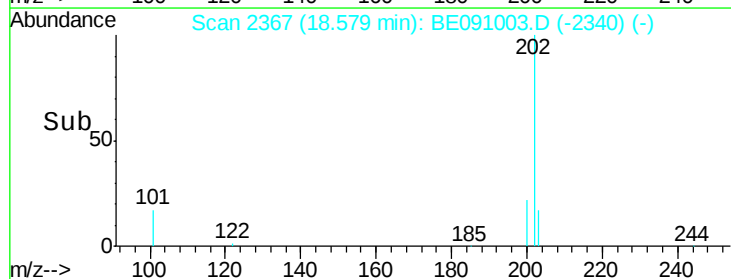
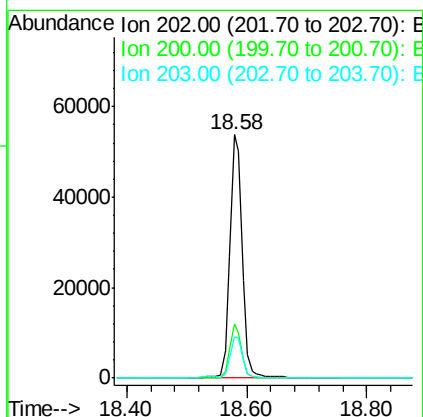
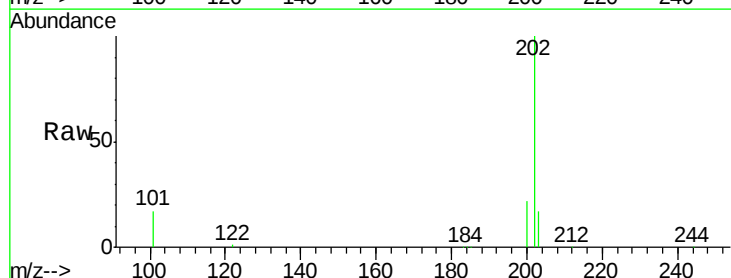
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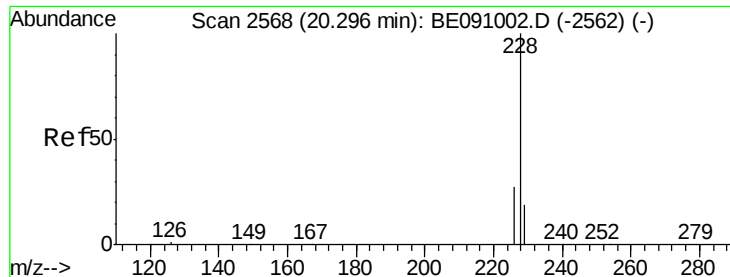
Tot Ion:202 Resp: 76048
 Ion Ratio Lower Upper
 202 100
 101 15.0 0.0 30.6
 203 16.6 0.0 37.9



#17
Pyrene
 Concen: 0.62 ng/ul
 RT: 18.58 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: BE091003.D
 Acq: 12 Oct 2015 20:29

Tgt Ion:202 Resp: 76562
 Ion Ratio Lower Upper
 202 100
 200 22.0 17.4 26.2
 203 17.1 14.0 21.0





#18

Benzo(a)anthracene

Concen: 0.70 ng/ul

RT: 20.30 min Scan# 2568

Delta R.T. 0.00 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.870

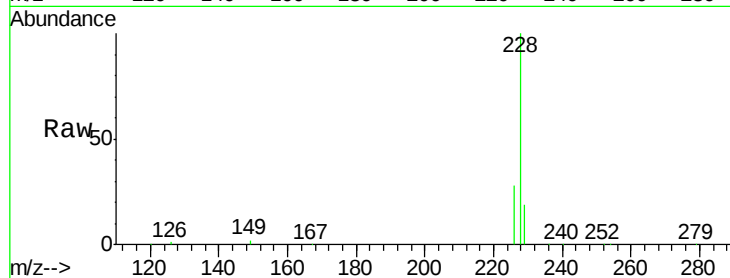
Tot Ion:228 Resp: 75415

Ion Ratio Lower Upper

228 100

226 28.2 22.2 33.2

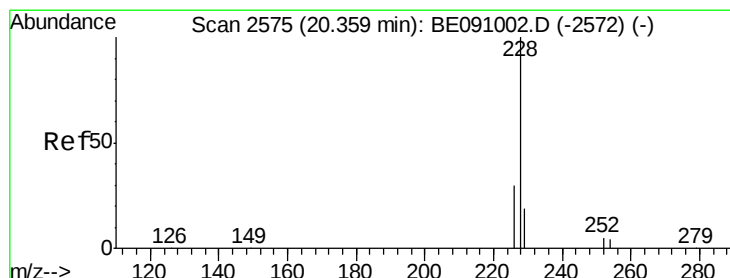
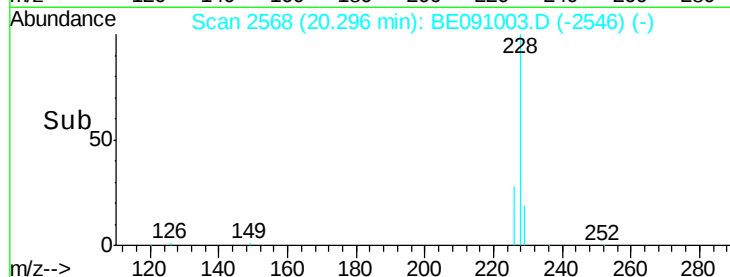
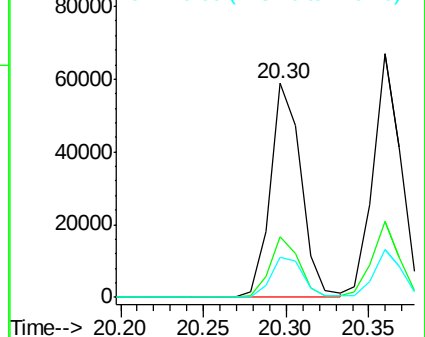
229 19.0 15.2 22.8



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: 0.75 ng/ul

RT: 20.36 min Scan# 2575

Delta R.T. 0.00 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

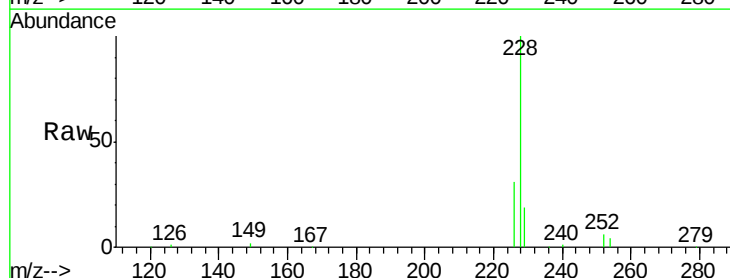
Tgt Ion:228 Resp: 80388

Ion Ratio Lower Upper

228 100

226 31.0 24.5 36.7

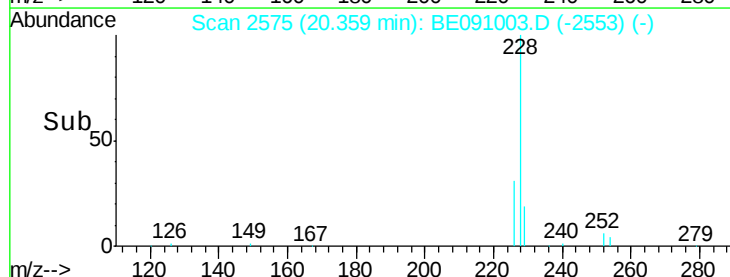
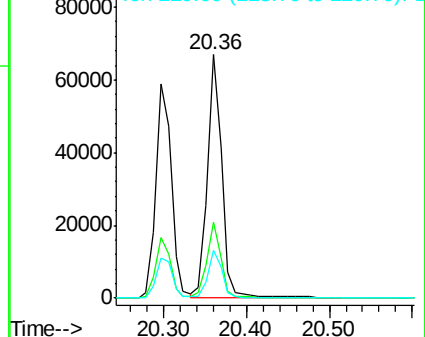
229 19.5 15.1 22.7

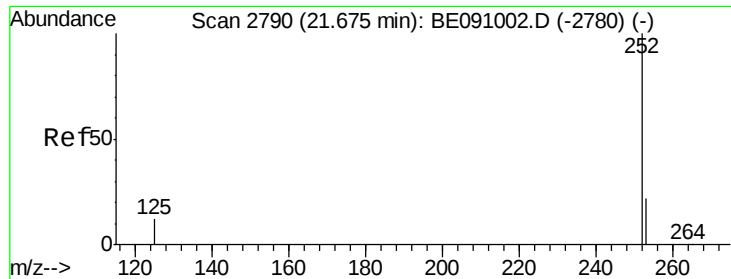


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.74 ng/ul

RT: 21.67 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

Instrument :

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ClientSampleId :

SSTD0.870

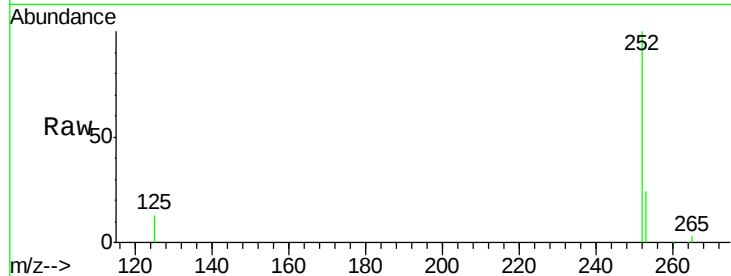
Tot Ion:252 Resp: 89436

Ion Ratio Lower Upper

252 100

253 23.8 0.0 51.6

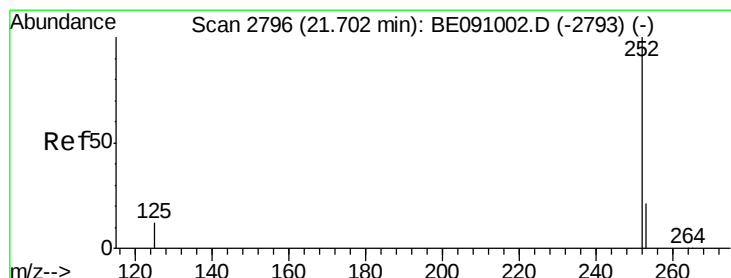
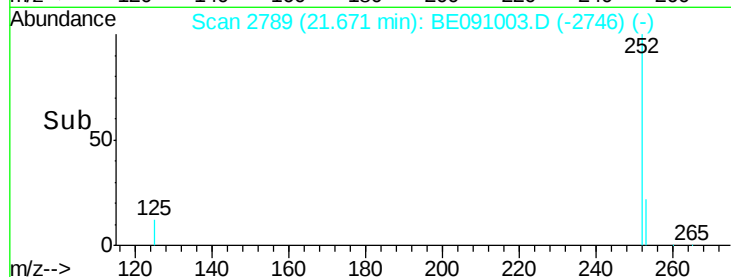
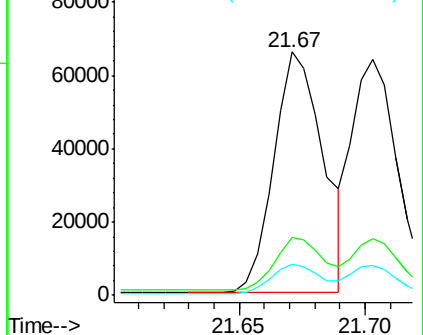
125 12.7 0.0 26.0



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: 0.70 ng/ul

RT: 21.70 min Scan# 2796

Delta R.T. 0.00 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

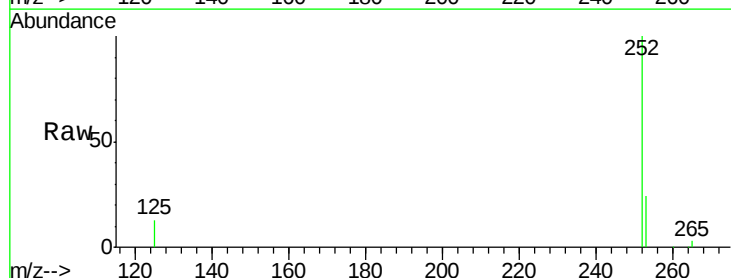
Tgt Ion:252 Resp: 82782

Ion Ratio Lower Upper

252 100

253 23.9 20.2 30.4

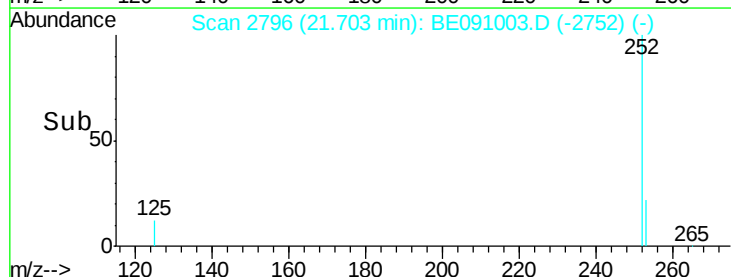
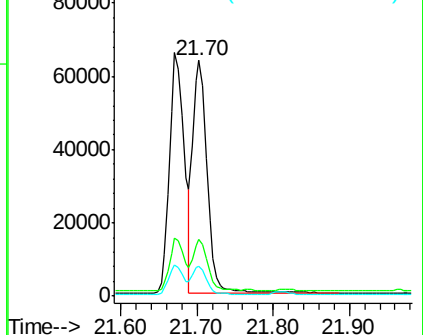
125 12.8 10.6 16.0

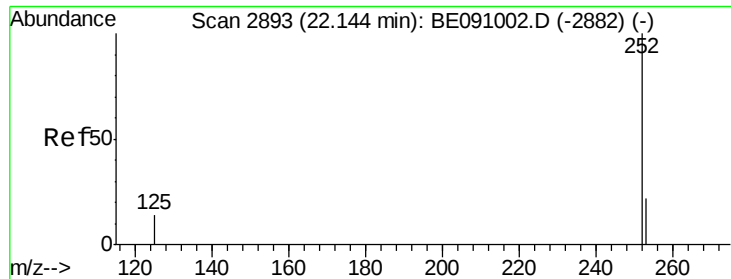


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.74 ng/ul

RT: 22.14 min Scan# 2893

Delta R.T. 0.00 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.870

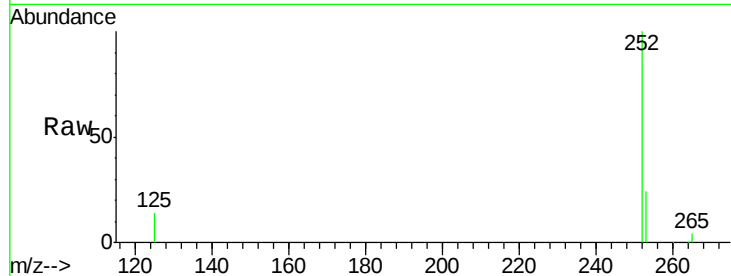
Tot Ion:252 Resp: 81747

Ion Ratio Lower Upper

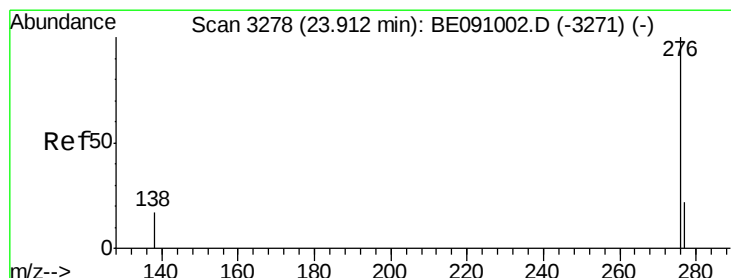
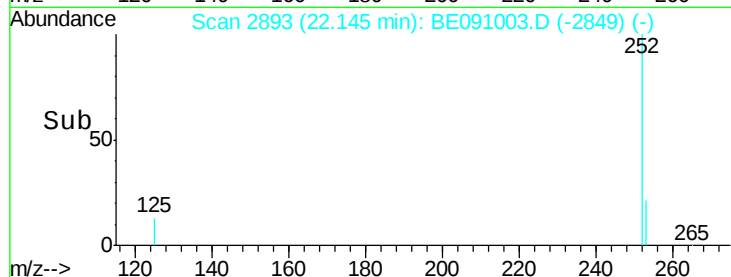
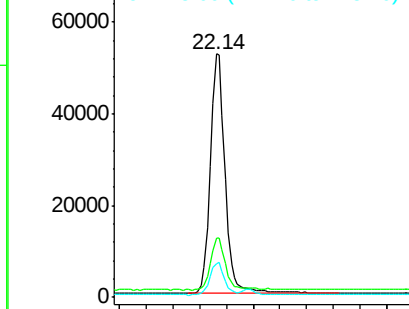
252 100

253 24.2 21.7 32.5

125 14.1 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: 0.77 ng/ul

RT: 23.92 min Scan# 3279

Delta R.T. 0.00 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

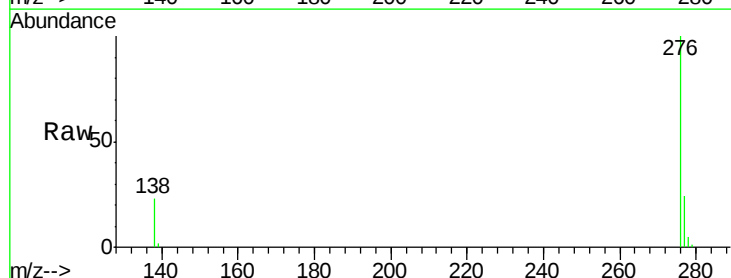
Tgt Ion:276 Resp: 87328

Ion Ratio Lower Upper

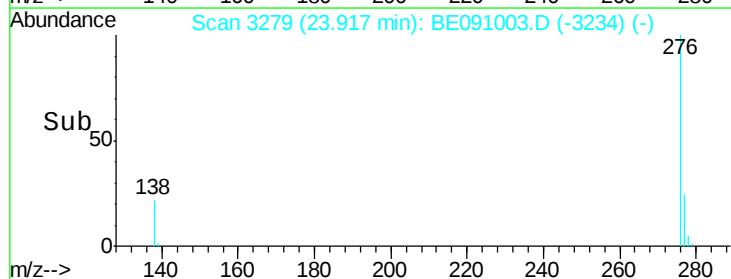
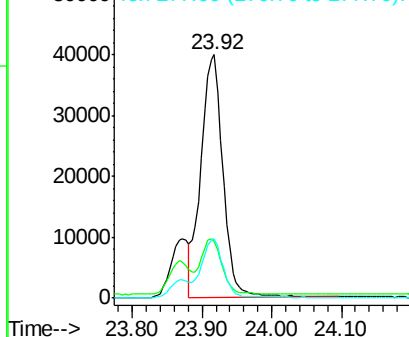
276 100

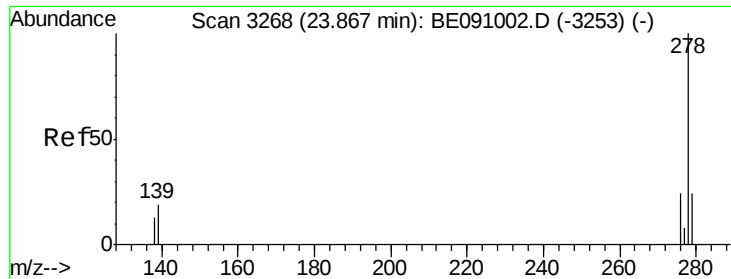
138 22.8 18.1 27.1

277 23.4 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: 0.93 ng/ul

RT: 23.87 min Scan# 3269

Delta R.T. 0.01 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.870

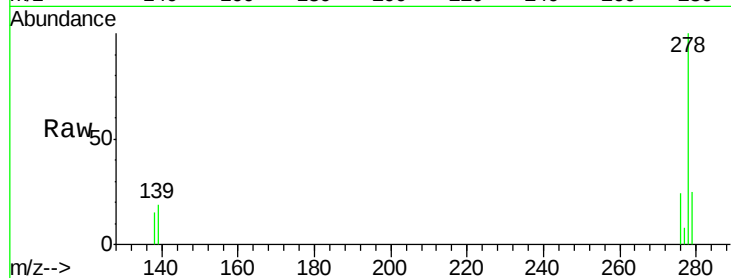
Tot Ion:278 Resp: 87517

Ion Ratio Lower Upper

278 100

139 19.0 16.1 24.1

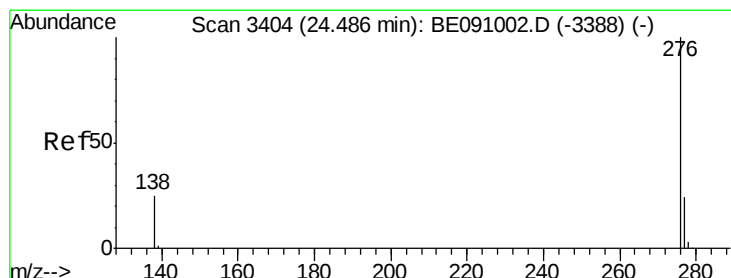
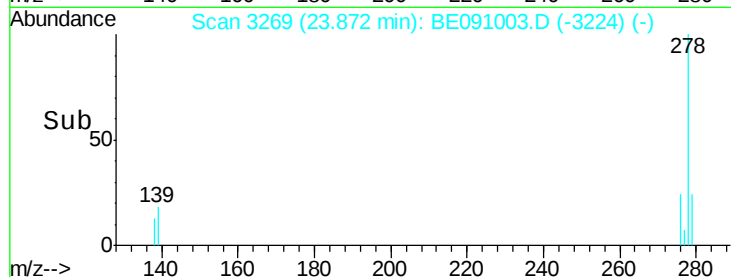
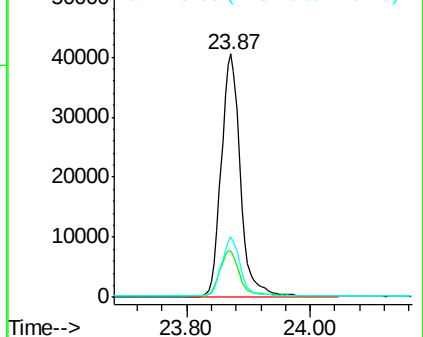
279 24.8 20.1 30.1



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



#26

Benzo(g,h,i)perylene

Concen: 0.91 ng/ul

RT: 24.49 min Scan# 3404

Delta R.T. 0.00 min

Lab File: BE091003.D

Acq: 12 Oct 2015 20:29

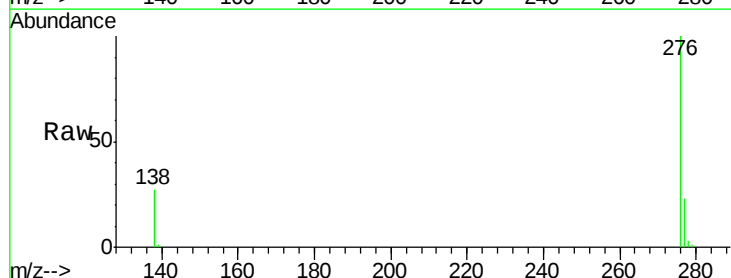
Tgt Ion:276 Resp: 92898

Ion Ratio Lower Upper

276 100

277 23.4 19.7 29.5

138 26.7 22.6 34.0



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

