

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111515\
 Data File : BE091174.D
 Acq On : 15 Nov 2015 15:52
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.467

Quant Time: Nov 16 04:57:05 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 16 04:54:02 2015
 Response via : Initial Calibration

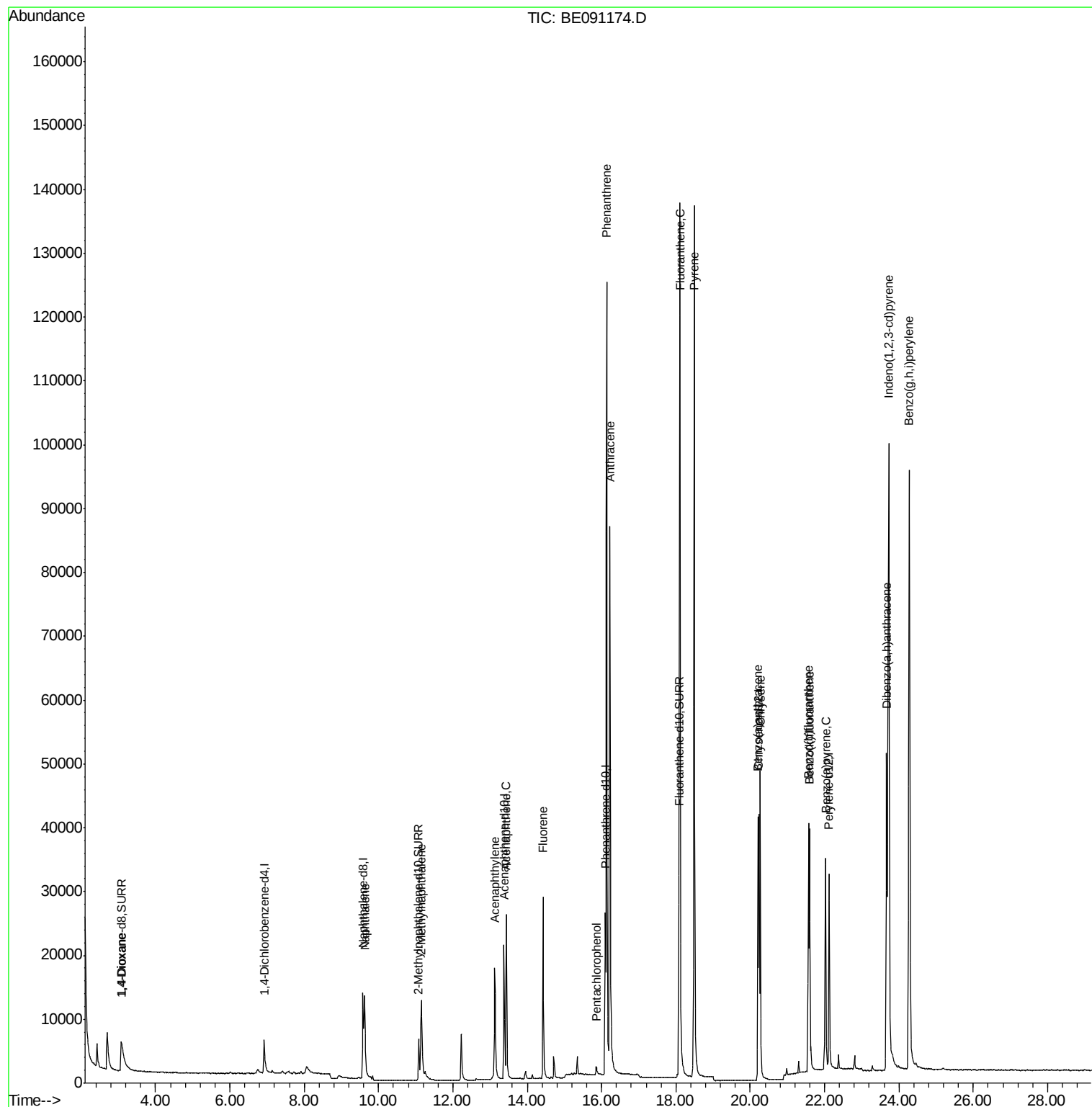
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	4365	0.40	ng/ul	-0.01
4) Naphthalene-d8	9.58	136	22536	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.38	164	12868	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.10	188	32671	0.40	ng/ul	0.00
18) Chrysene-d12	20.24	240	37253	0.40	ng/ul	0.00
22) Perylene-d12	22.12	264	33367	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.07	96	5306	1.69	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	11.08	152	12093	0.39	ng/ul	0.00
16) Fluoranthene-d10	18.08	212	35675	0.39	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.09	88	5643	1.59	ng/ul#	61
5) Naphthalene	9.62	128	21339	0.38	ng/ul	99
7) 2-Methylnaphthalene	11.15	142	13710	0.38	ng/ul	88
9) Acenaphthylene	13.13	152	23764	0.37	ng/ul	98
10) Acenaphthene	13.44	153	16474	0.37	ng/ul	91
11) Fluorene	14.42	166	20733	0.37	ng/ul	93
13) Pentachlorophenol	15.86	266	1403	0.45	ng/ul	96
14) Phenanthrene	16.14	178	143803	0.38	ng/ul	97
15) Anthracene	16.22	178	132627	0.39	ng/ul	97
17) Fluoranthene	18.11	202	170642	0.39	ng/ul	89
19) Pyrene	18.49	202	163625	0.39	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	36423	0.38	ng/ul	99
21) Chrysene	20.27	228	42678	0.39	ng/ul	98
23) Benzo(b)fluoranthene	21.57	252	39830	0.38	ng/ul	94
24) Benzo(k)fluoranthene	21.59	252	40030	0.37	ng/ul	95
25) Benzo(a)pyrene	22.03	252	39961	0.42	ng/ul#	93
26) Indeno(1,2,3-cd)pyrene	23.72	276	150732	0.37	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.67	278	37965	0.39	ng/ul#	71
28) Benzo(g,h,i)perylene	24.28	276	161420	0.38	ng/ul	93

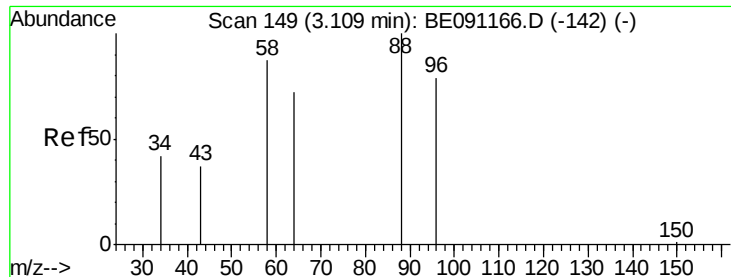
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.59 ng/ul

RT: 3.09 min Scan# 146

Delta R.T. -0.02 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.467

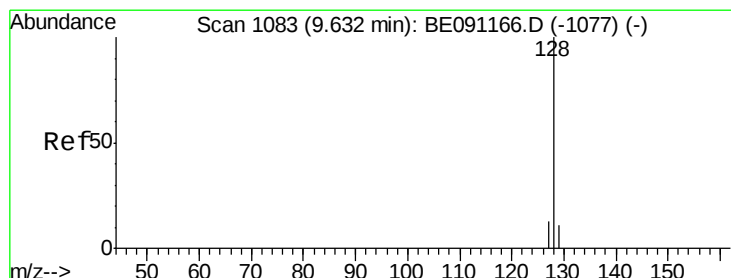
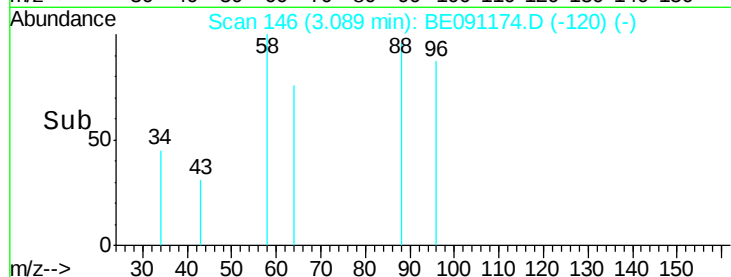
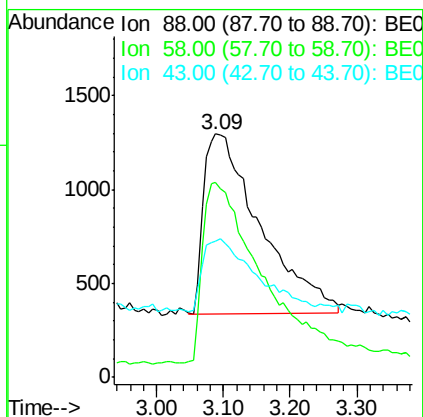
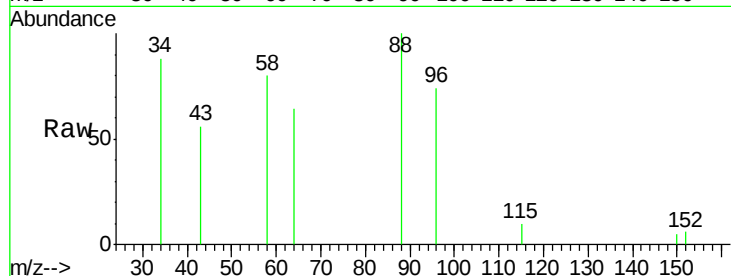
Tgt Ion: 88 Resp: 5643

Ion Ratio Lower Upper

88 100

58 107.3 55.4 83.2#

43 41.3 24.2 36.2#



#5

Naphthalene

Concen: 0.38 ng/ul

RT: 9.62 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

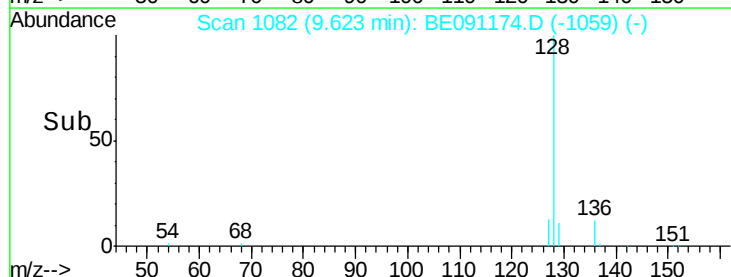
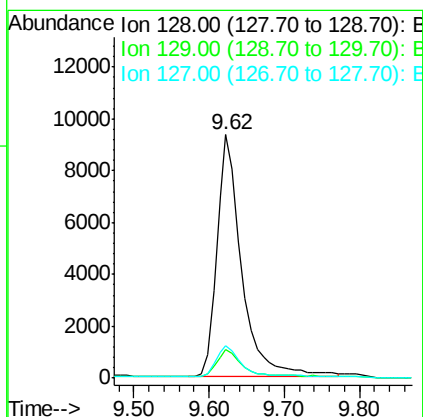
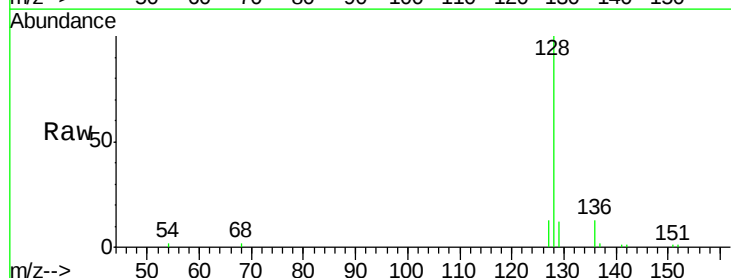
Tgt Ion: 128 Resp: 21339

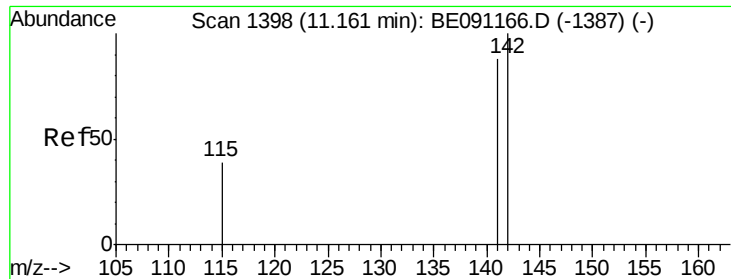
Ion Ratio Lower Upper

128 100

129 11.7 9.8 14.8

127 13.4 10.7 16.1





#7

2-Methylnaphthalene

Concen: 0.38 ng/ul

RT: 11.15 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

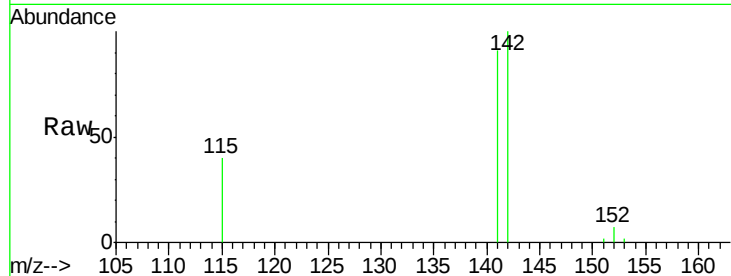
SSTD0.467

Tgt Ion:142 Resp: 13710

Ion Ratio Lower Upper

142 100

141 99.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

6000

5000

4000

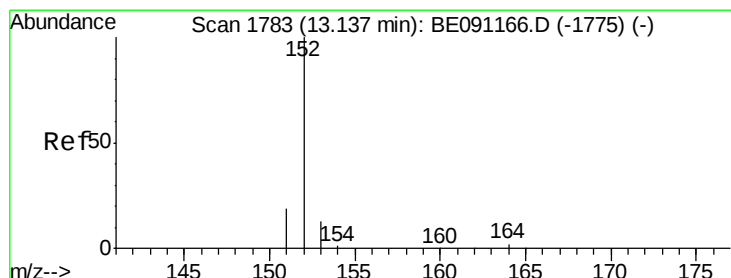
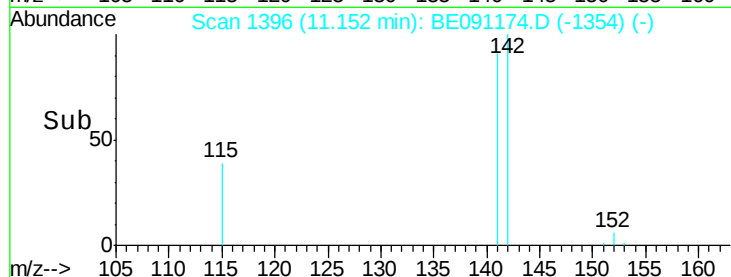
3000

2000

1000

0

Time-->



#9

Acenaphthylene

Concen: 0.37 ng/ul

RT: 13.13 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

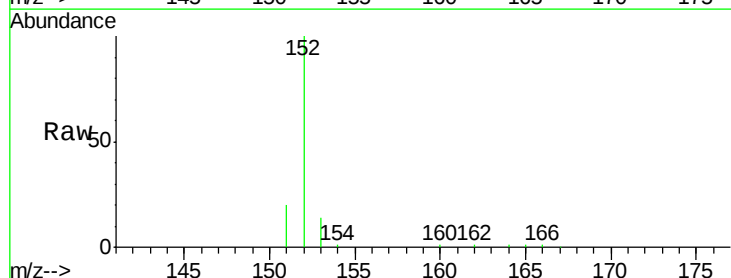
Tgt Ion:152 Resp: 23764

Ion Ratio Lower Upper

152 100

151 19.8 16.8 25.2

153 13.7 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

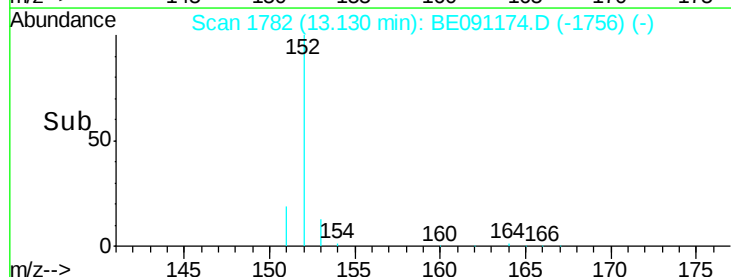
15000

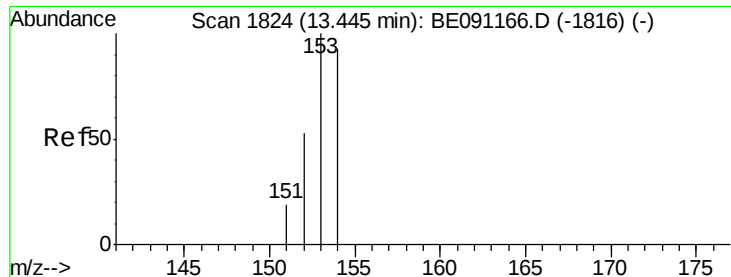
10000

5000

0

Time-->





#10

Acenaphthene

Concen: 0.37 ng/ul

RT: 13.44 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.467

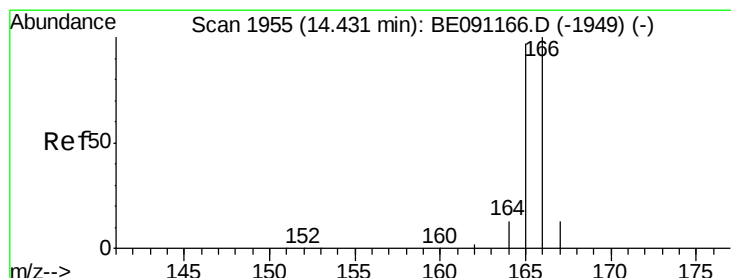
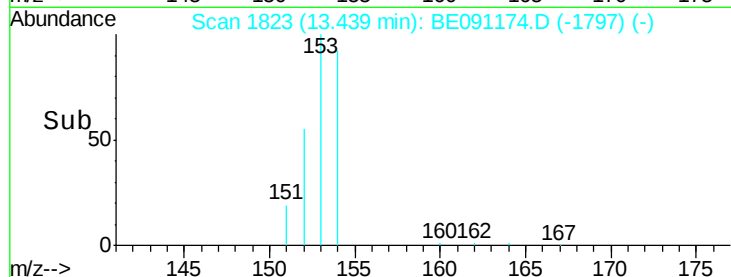
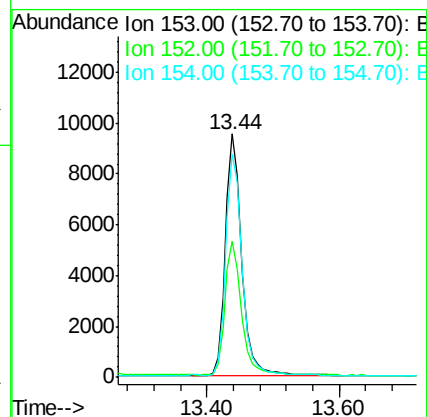
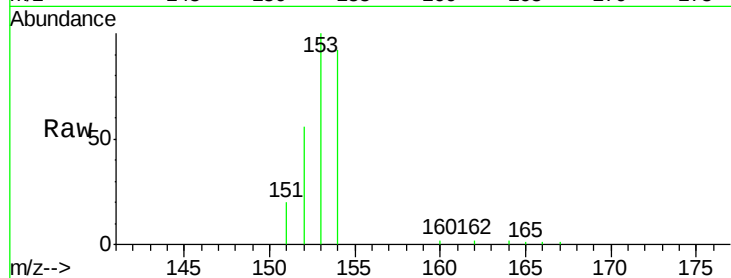
Tgt Ion:153 Resp: 16474

Ion Ratio Lower Upper

153 100

152 56.0 42.3 63.5

154 91.6 64.7 97.1



#11

Fluorene

Concen: 0.37 ng/ul

RT: 14.42 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

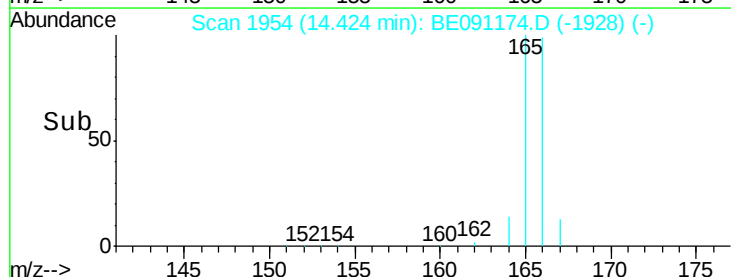
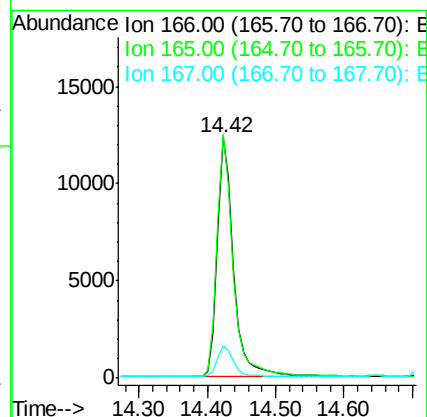
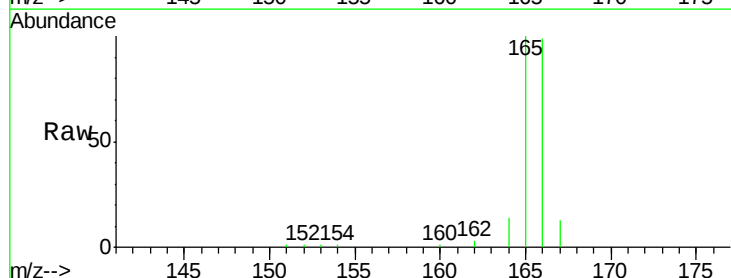
Tgt Ion:166 Resp: 20733

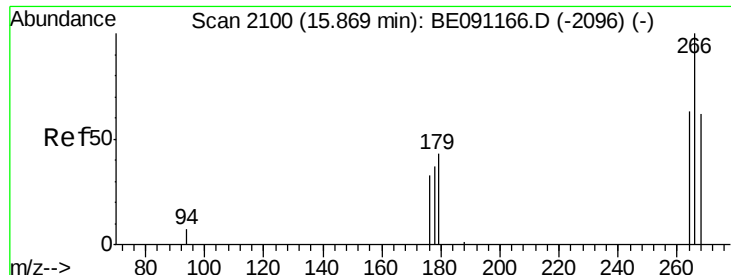
Ion Ratio Lower Upper

166 100

165 101.2 87.6 131.4

167 13.6 11.1 16.7

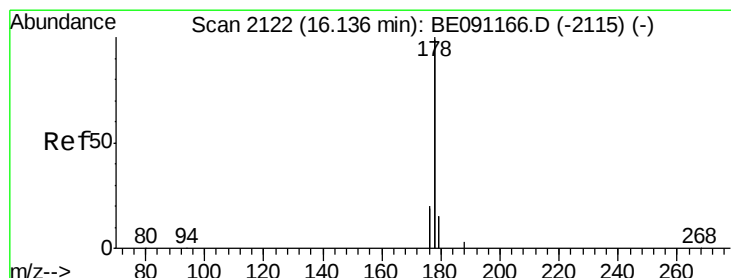
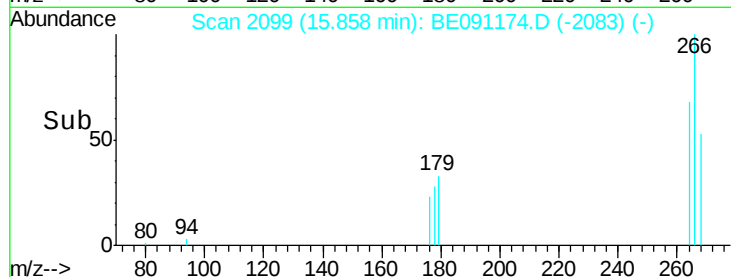
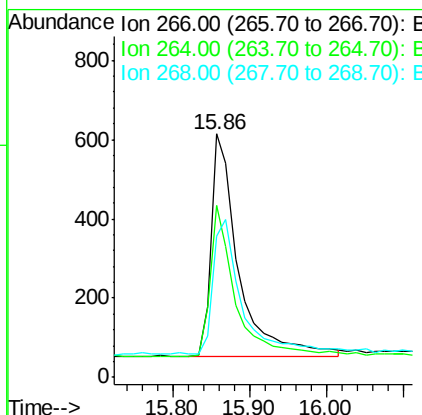
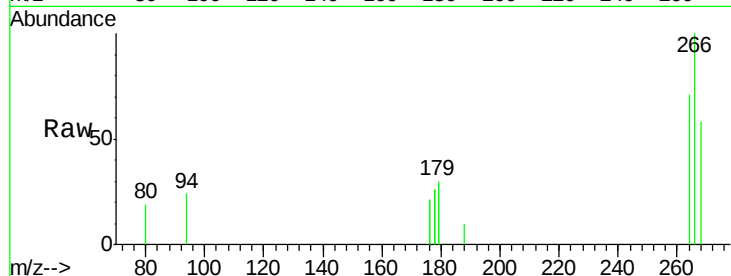




#13
 Pentachlorophenol
 Concen: 0.45 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: BE091174.D
 Acq: 15 Nov 2015 15:52

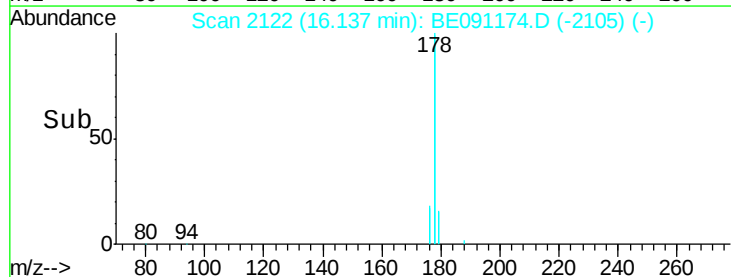
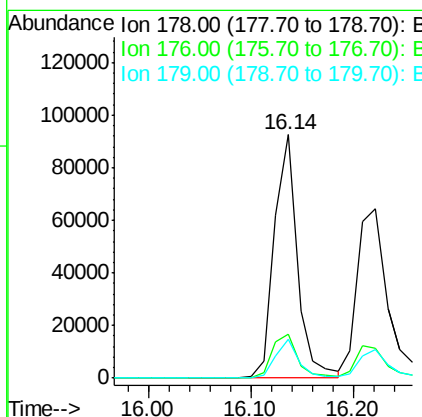
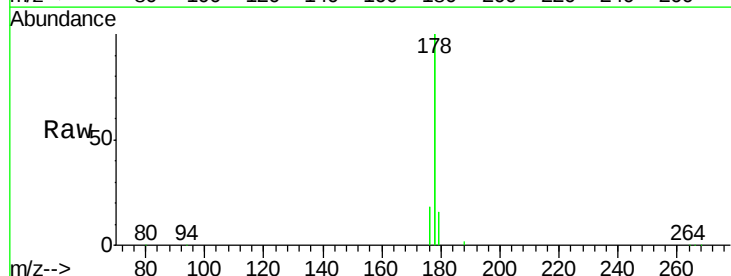
Instrument :
 BNA_E
 ClientSampleId :
 SST0.467

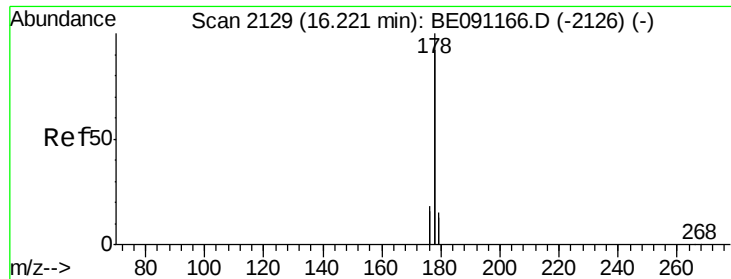
Tgt Ion: 266 Resp: 1403
 Ion Ratio Lower Upper
 266 100
 264 63.8 53.5 80.3
 268 64.6 54.2 81.2



#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 16.14 min Scan# 2122
 Delta R.T. 0.00 min
 Lab File: BE091174.D
 Acq: 15 Nov 2015 15:52

Tgt Ion: 178 Resp: 143803
 Ion Ratio Lower Upper
 178 100
 176 18.0 16.2 24.4
 179 15.9 12.8 19.2





#15

Anthracene

Concen: 0.39 ng/ul

RT: 16.22 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.467

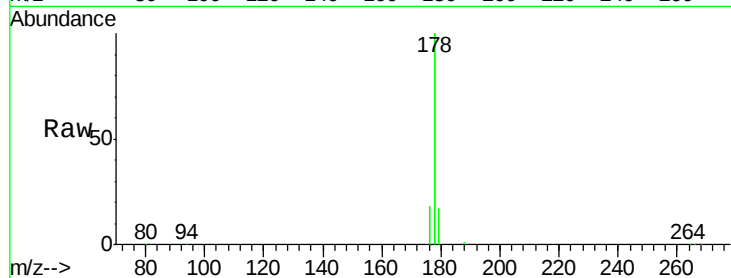
Tgt Ion:178 Resp: 132627

Ion Ratio Lower Upper

178 100

176 17.6 15.8 23.8

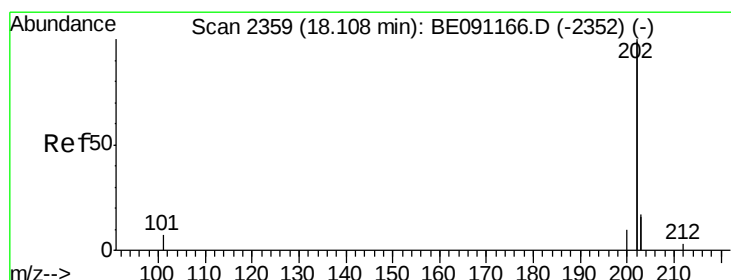
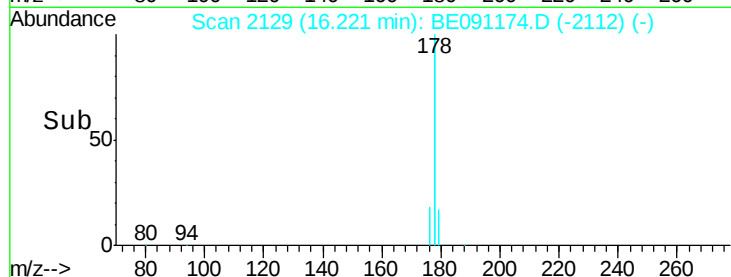
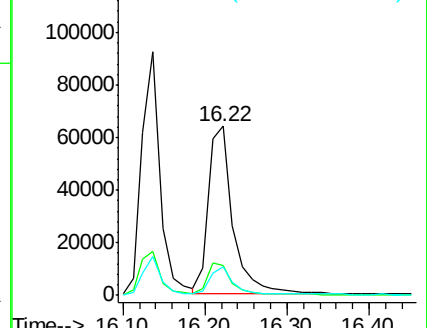
179 17.2 13.3 19.9



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: 0.39 ng/ul

RT: 18.11 min Scan# 2359

Delta R.T. 0.00 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

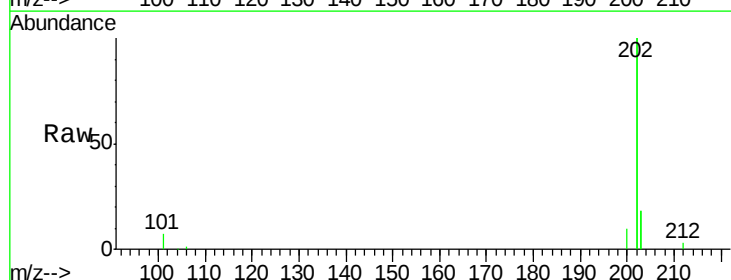
Tgt Ion:202 Resp: 170642

Ion Ratio Lower Upper

202 100

101 3.4 0.0 33.1

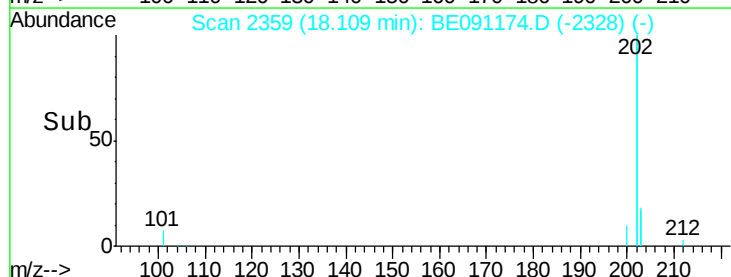
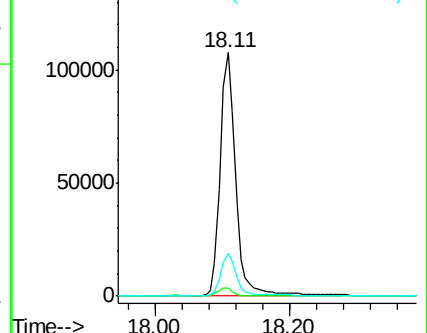
203 17.6 0.0 37.2

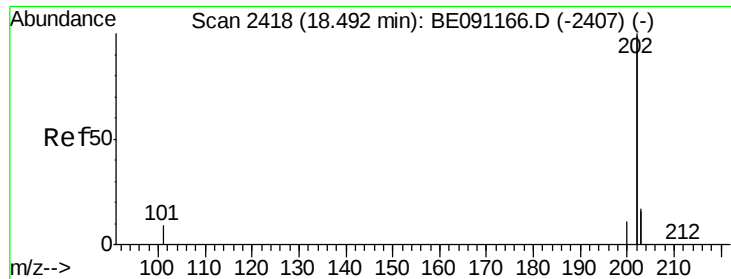


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.39 ng/ul

RT: 18.49 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.467

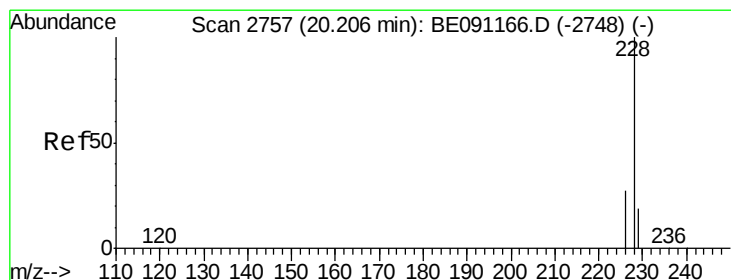
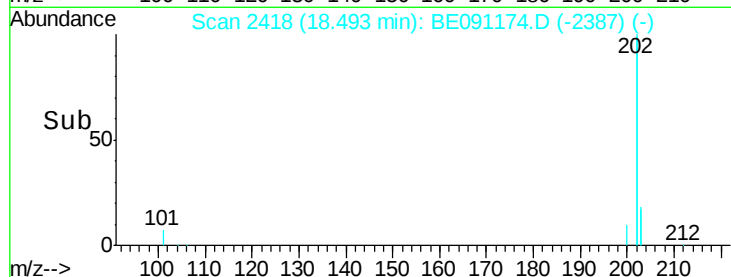
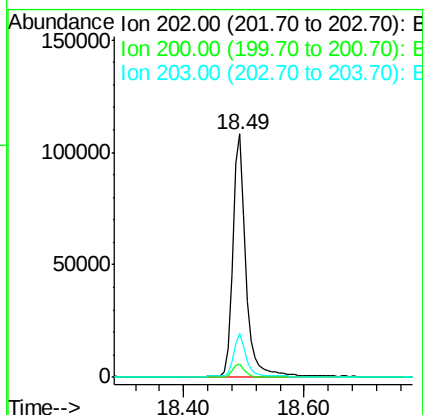
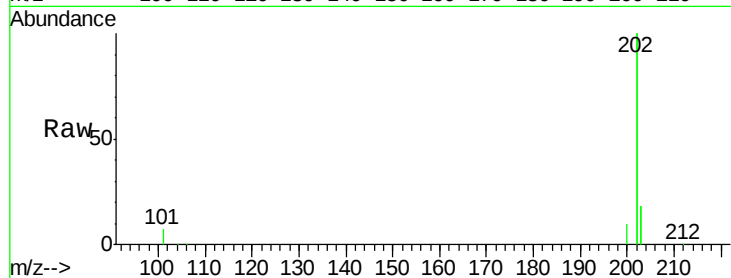
Tgt Ion:202 Resp: 163625

Ion Ratio Lower Upper

202 100

200 5.2 18.0 27.0#

203 17.9 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.38 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. -0.00 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

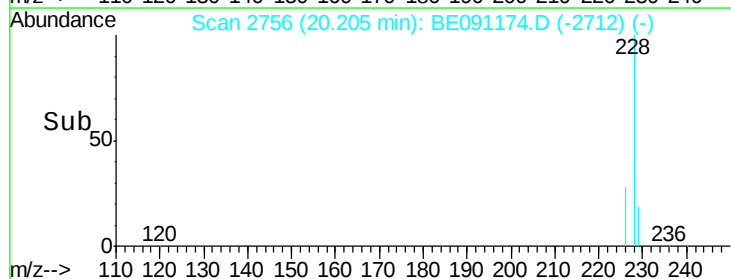
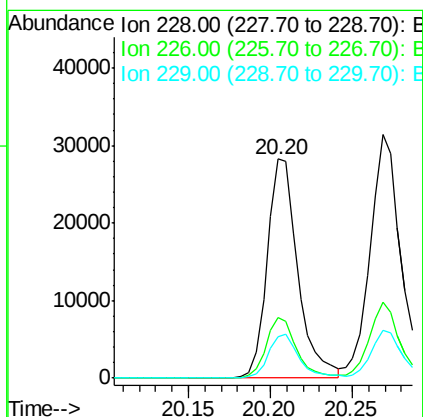
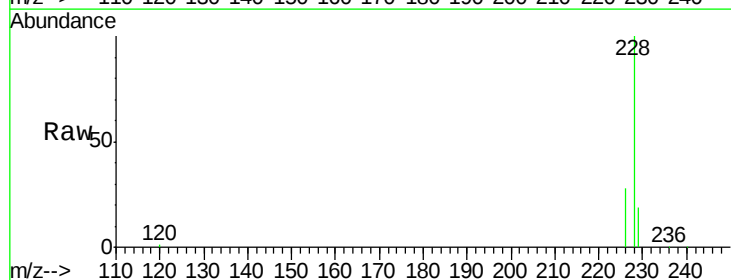
Tgt Ion:228 Resp: 36423

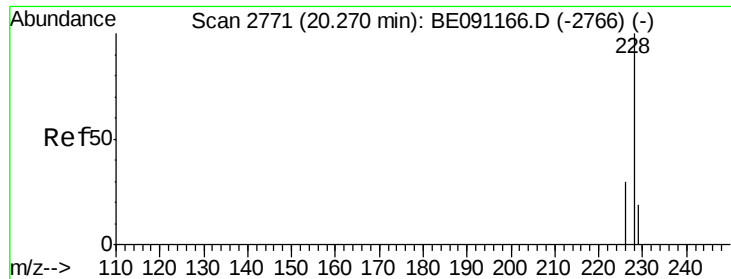
Ion Ratio Lower Upper

228 100

226 28.0 23.0 34.4

229 19.2 15.2 22.8





#21

Chrysene

Concen: 0.39 ng/ul

RT: 20.27 min Scan# 2770

Delta R.T. -0.00 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.467

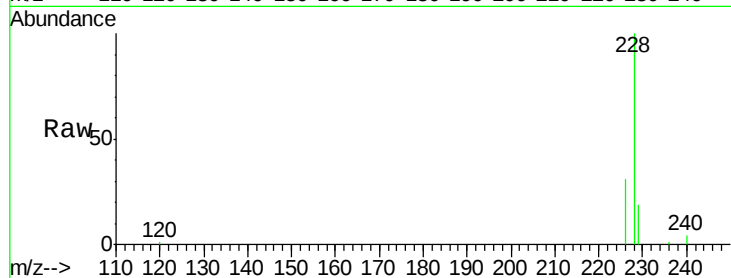
Tgt Ion:228 Resp: 42678

Ion Ratio Lower Upper

228 100

226 31.0 25.7 38.5

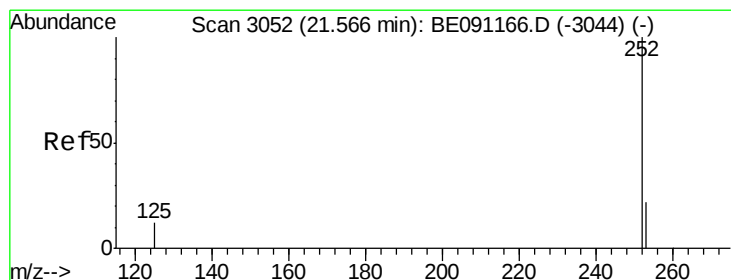
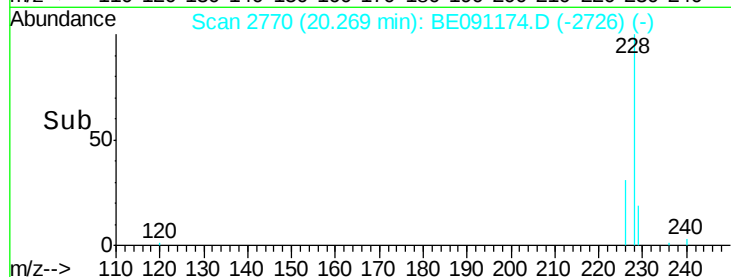
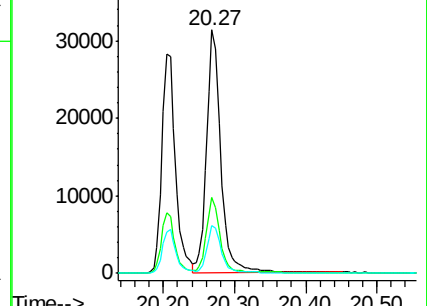
229 19.4 15.2 22.8



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



#23

Benzo(b)fluoranthene

Concen: 0.38 ng/ul

RT: 21.57 min Scan# 3051

Delta R.T. -0.00 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

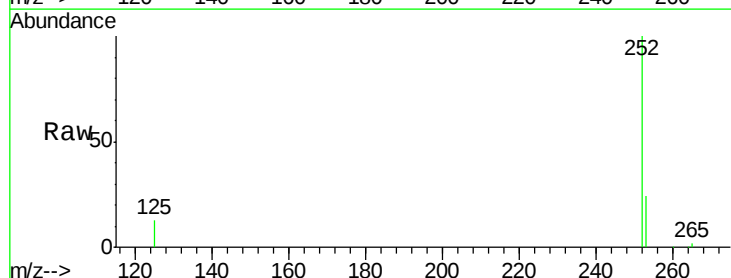
Tgt Ion:252 Resp: 39830

Ion Ratio Lower Upper

252 100

253 24.0 0.0 48.0

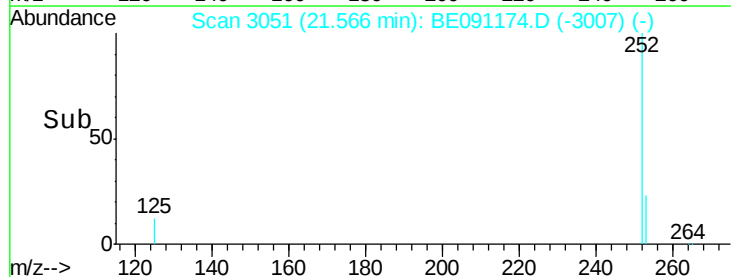
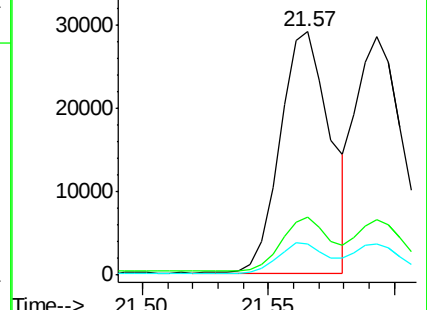
125 12.6 0.0 36.6

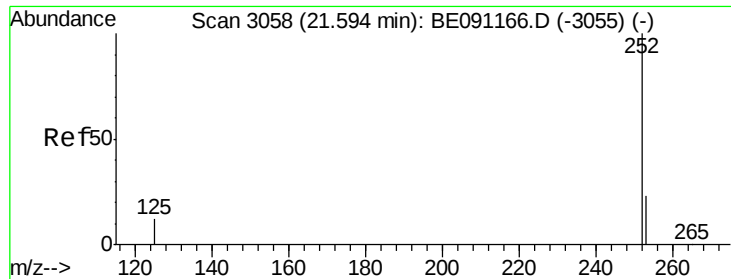


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.37 ng/ul

RT: 21.59 min Scan# 3057

Delta R.T. -0.00 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.467

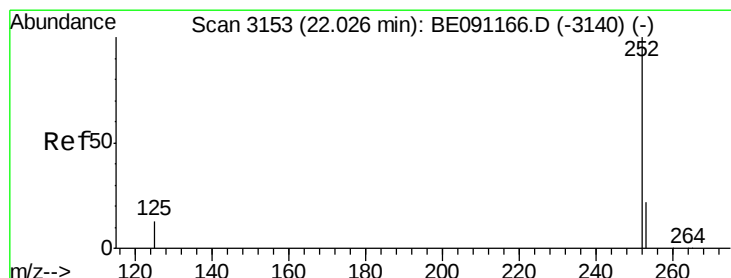
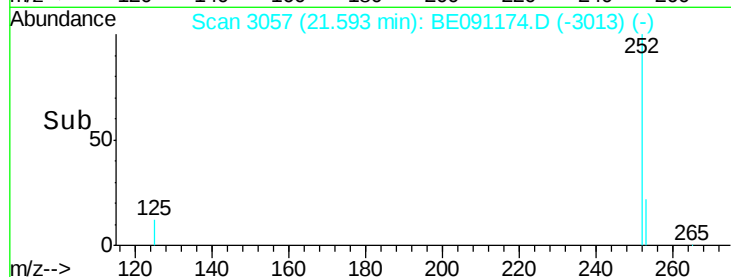
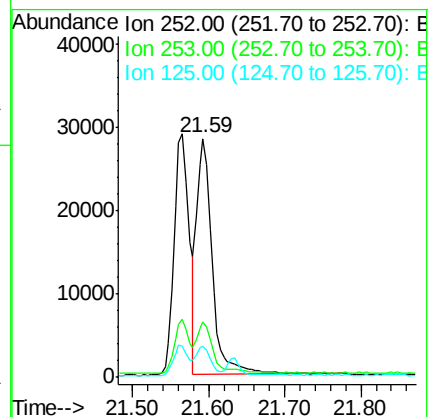
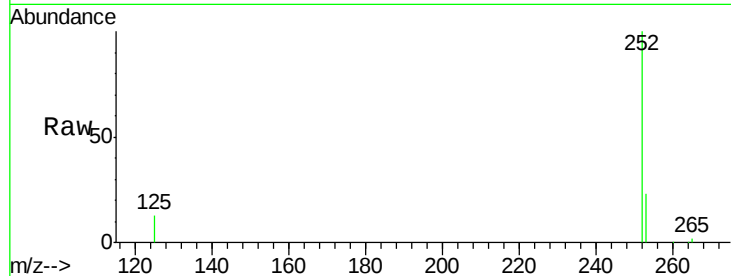
Tgt Ion:252 Resp: 40030

Ion Ratio Lower Upper

252 100

253 23.4 20.8 31.2

125 13.0 12.2 18.4



#25

Benzo(a)pyrene

Concen: 0.42 ng/ul

RT: 22.03 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

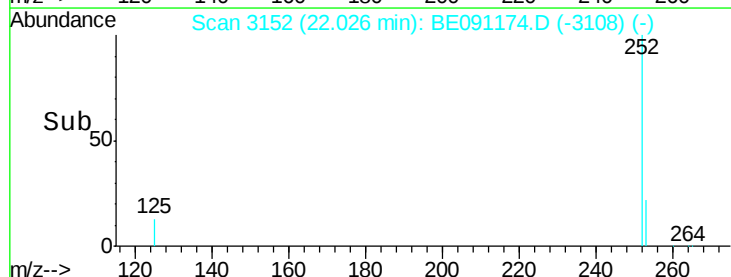
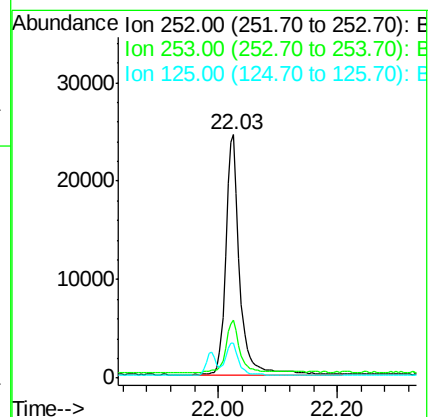
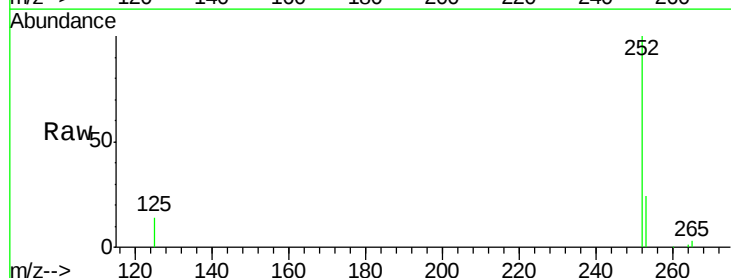
Tgt Ion:252 Resp: 39961

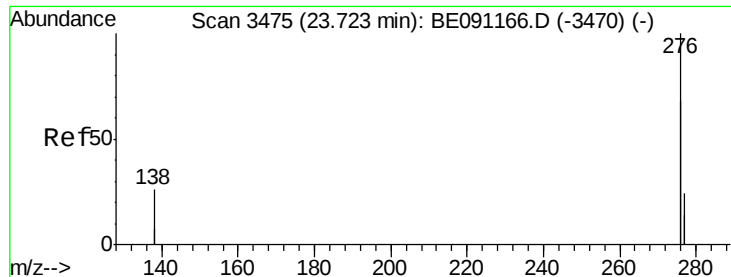
Ion Ratio Lower Upper

252 100

253 24.0 21.8 32.8

125 14.2 14.5 21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.37 ng/ul

RT: 23.72 min Scan# 3474

Delta R.T. -0.00 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.467

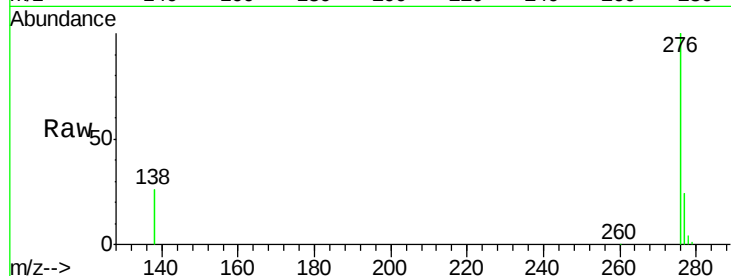
Tgt Ion:276 Resp: 150732

Ion Ratio Lower Upper

276 100

138 24.3 27.5 41.3#

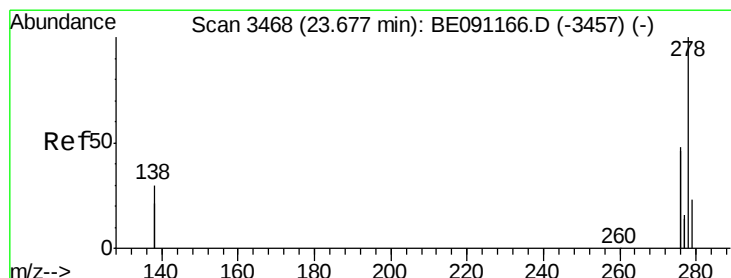
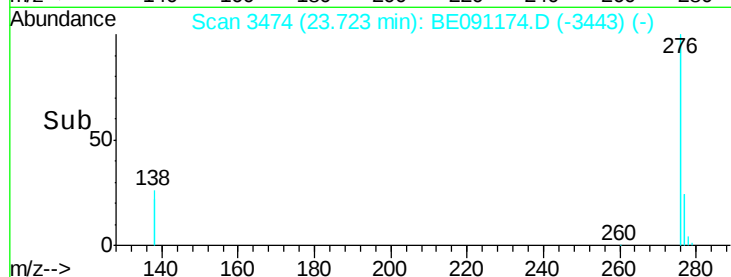
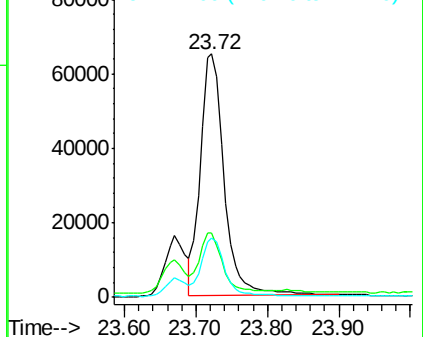
277 23.9 19.3 28.9



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



#27

Dibenzo(a,h)anthracene

Concen: 0.39 ng/ul

RT: 23.67 min Scan# 3466

Delta R.T. -0.01 min

Lab File: BE091174.D

Acq: 15 Nov 2015 15:52

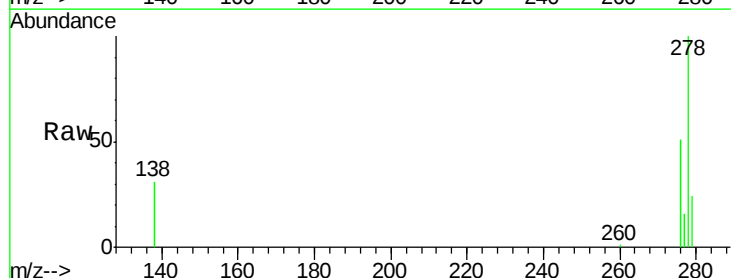
Tgt Ion:278 Resp: 37965

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

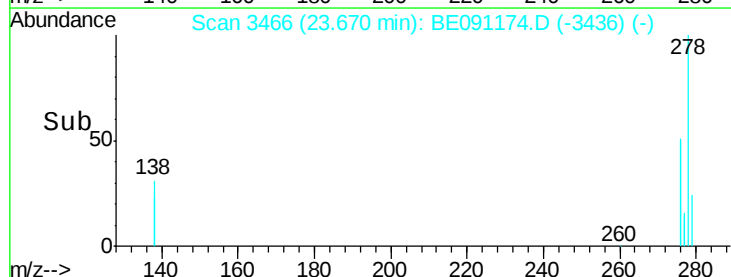
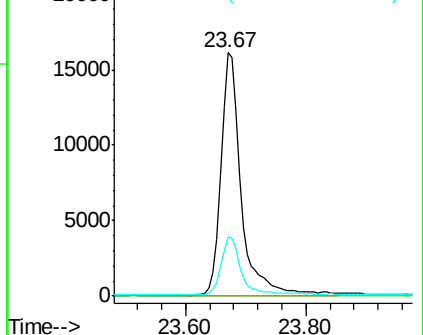
279 24.2 21.9 32.9

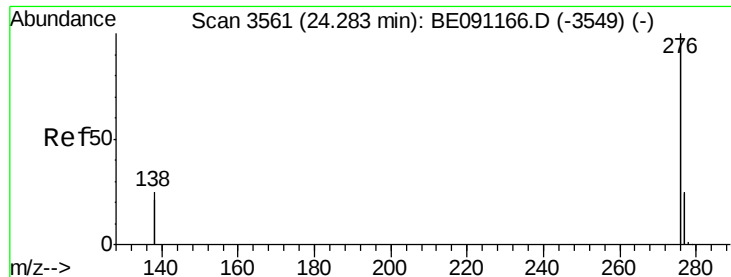


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.38 ng/ul

RT: 24.28 min Scan# 3559

Delta R.T. -0.01 min

Lab File: BE091174.D

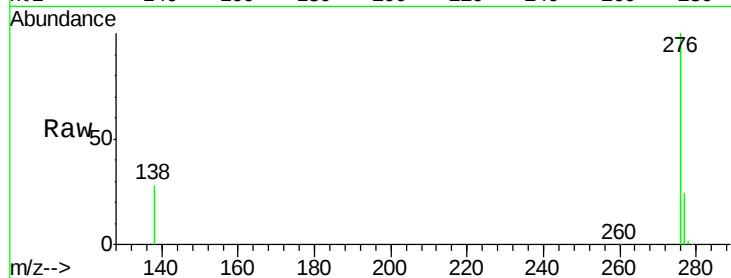
Acq: 15 Nov 2015 15:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.467



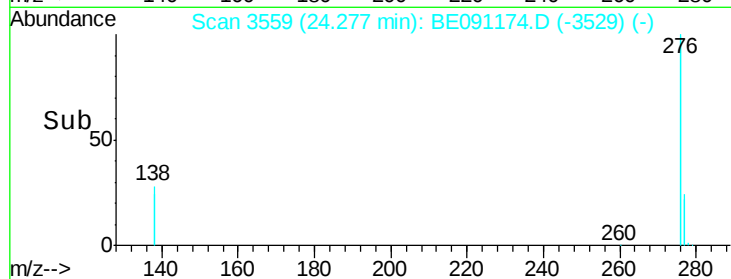
Tgt Ion: 276 Resp: 161420

Ion Ratio Lower Upper

276 100

277 23.5 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

