

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091220.D
 Acq On : 18 Nov 2015 10:27
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.473

Quant Time: Nov 19 04:24:35 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 : Wed Nov 18 04:23:52 2015
 Response via : Initial Calibration

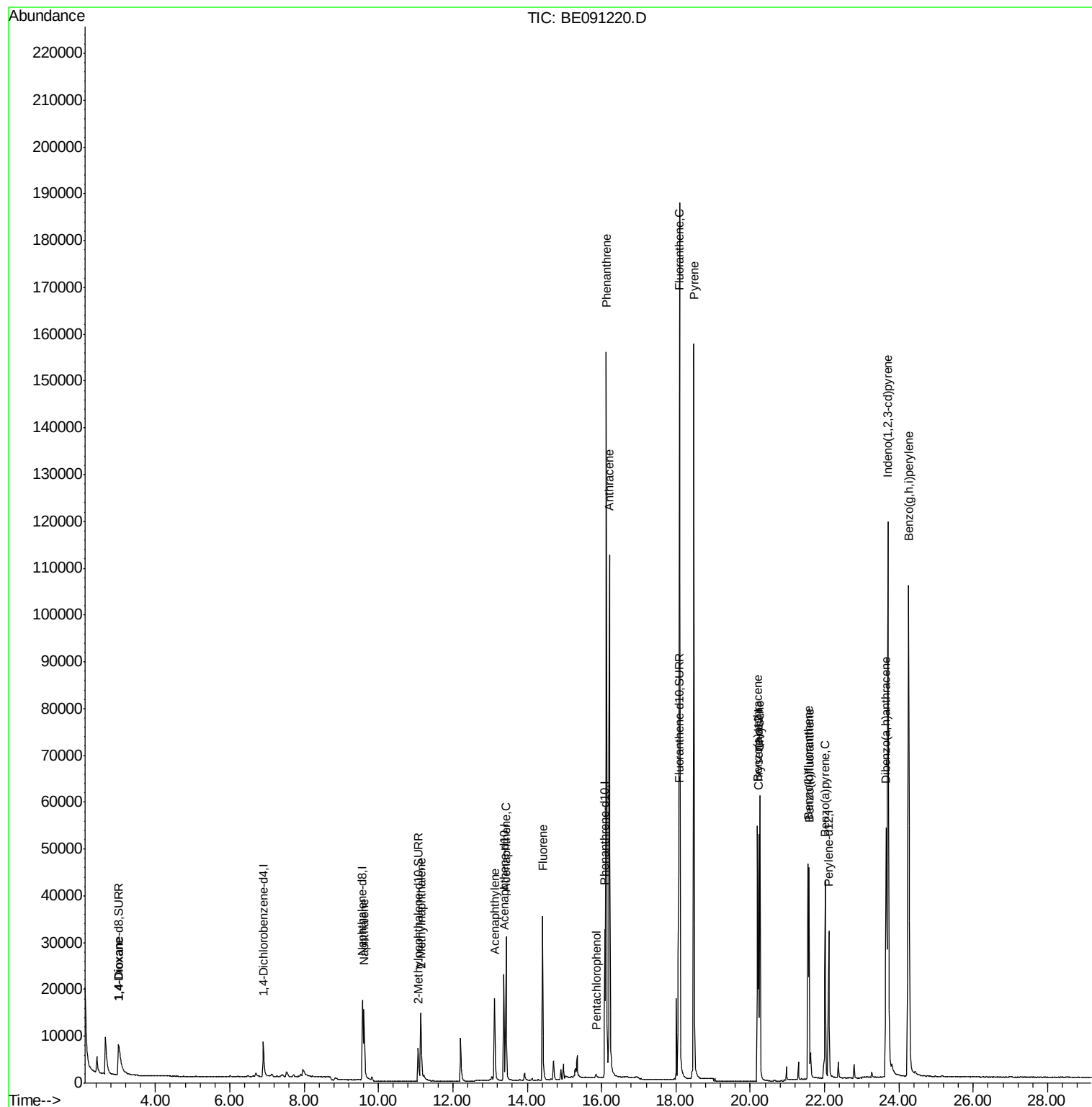
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	5338	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	26035	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	11807	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	35188	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	43931	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	35393	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.00	96	6606	1.72	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	11.07	152	11880	0.33	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	46166	0.47	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.02	88	7440	1.71	ng/ul#	64
5) Naphthalene	9.61	128	24586	0.38	ng/ul	98
7) 2-Methylnaphthalene	11.14	142	14167	0.34	ng/ul	90
9) Acenaphthylene	13.12	152	23495	0.40	ng/ul	98
10) Acenaphthene	13.43	153	17169	0.43	ng/ul#	83
11) Fluorene	14.42	166	23067	0.44	ng/ul	92
13) Pentachlorophenol	15.86	266	872	0.26	ng/ul	95
14) Phenanthrene	16.13	178	165090	0.41	ng/ul	98
15) Anthracene	16.21	178	142833	0.39	ng/ul	98
17) Fluoranthene	18.10	202	216811	0.46	ng/ul	88
19) Pyrene	18.48	202	180509	0.36	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	42915	0.38	ng/ul	99
21) Chrysene	20.26	228	52455	0.40	ng/ul	97
23) Benzo(b)fluoranthene	21.56	252	46007	0.42	ng/ul	93
24) Benzo(k)fluoranthene	21.58	252	45151	0.40	ng/ul	93
25) Benzo(a)pyrene	22.01	252	44860	0.44	ng/ul	91
26) Indeno(1,2,3-cd)pyrene	23.70	276	168429	0.39	ng/ul#	89
27) Dibenzo(a,h)anthracene	23.66	278	40851	0.40	ng/ul#	71
28) Benzo(g,h,i)perylene	24.26	276	172430	0.38	ng/ul	94

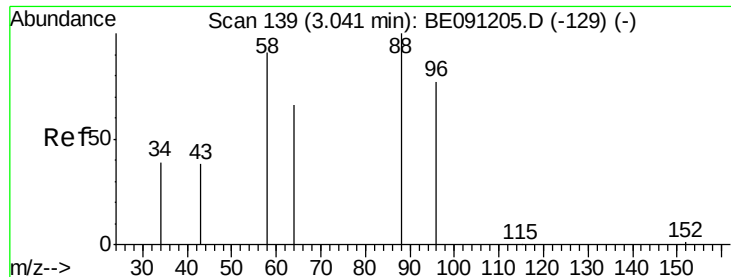
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.71 ng/ul

RT: 3.02 min Scan# 136

Delta R.T. -0.02 min

Lab File: BE091220.D

Acq: 18 Nov 2015 10:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.473

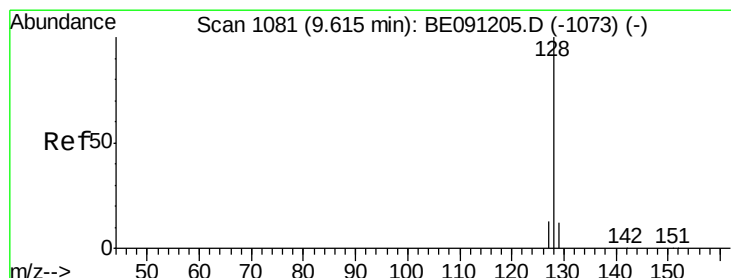
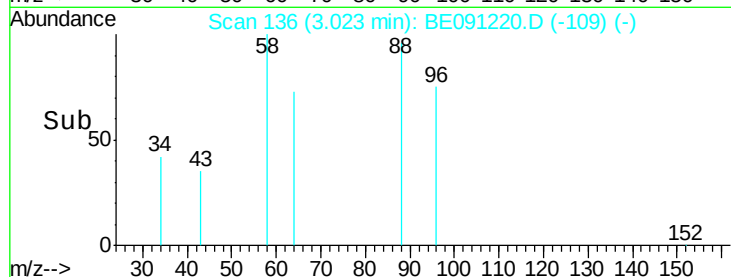
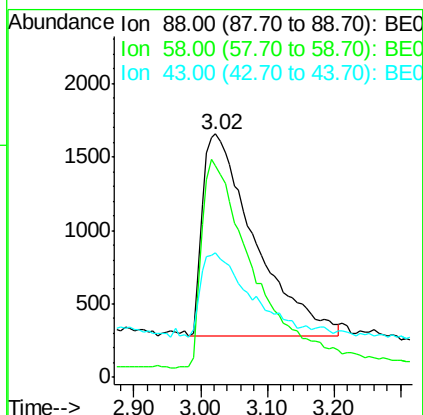
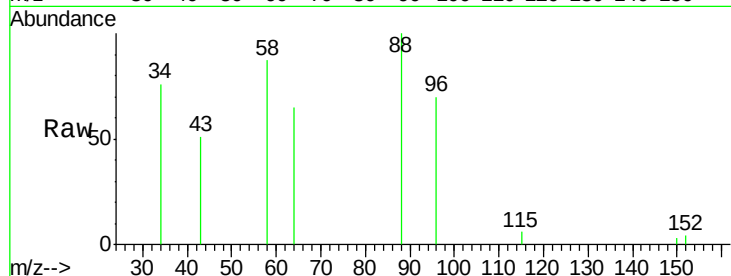
Tgt Ion: 88 Resp: 7440

Ion Ratio Lower Upper

88 100

58 103.9 55.4 83.2#

43 41.5 24.2 36.2#



#5

Naphthalene

Concen: 0.38 ng/ul

RT: 9.61 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BE091220.D

Acq: 18 Nov 2015 10:27

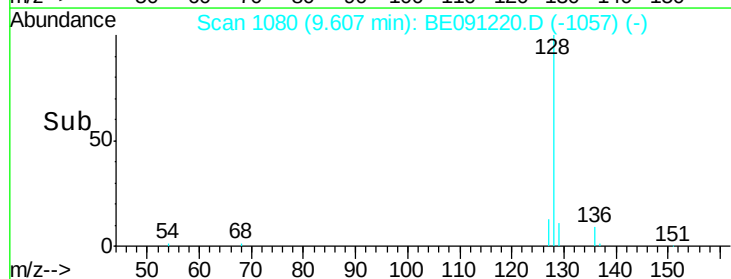
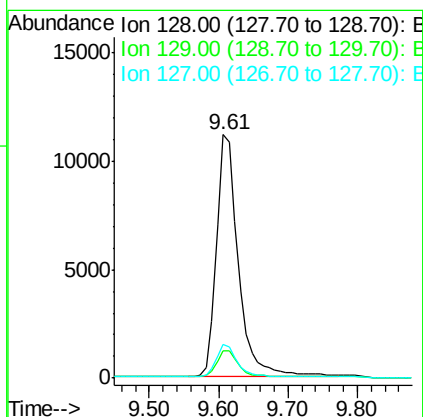
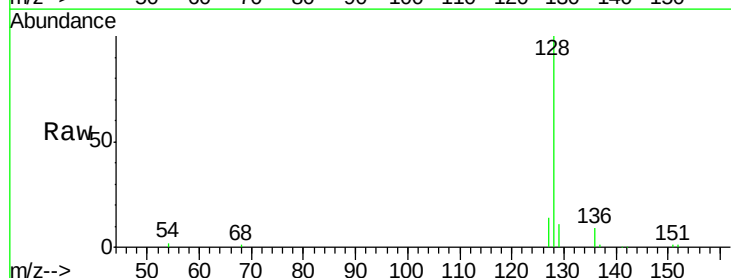
Tgt Ion: 128 Resp: 24586

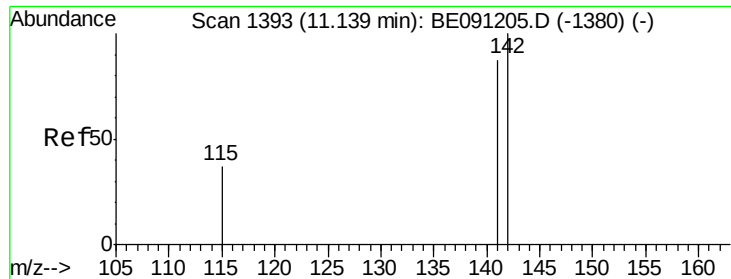
Ion Ratio Lower Upper

128 100

129 11.1 9.8 14.8

127 13.8 10.7 16.1





#7

2-Methylnaphthalene

Concen: 0.34 ng/ul

RT: 11.14 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE091220.D

Acq: 18 Nov 2015 10:27

Instrument :

BNA_E

ClientSampleId :

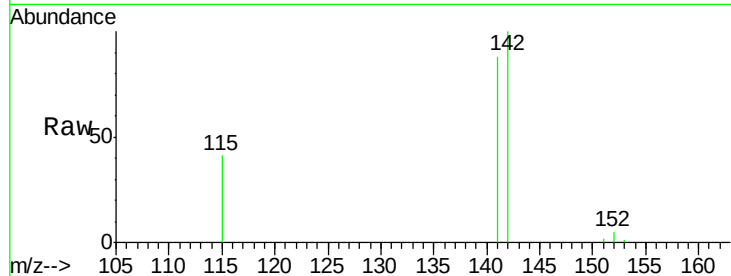
SSTD0.473

Tgt Ion:142 Resp: 14167

Ion Ratio Lower Upper

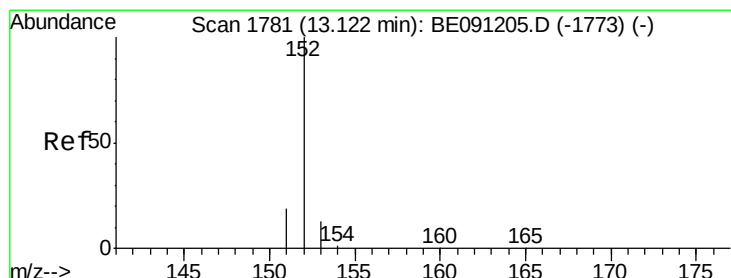
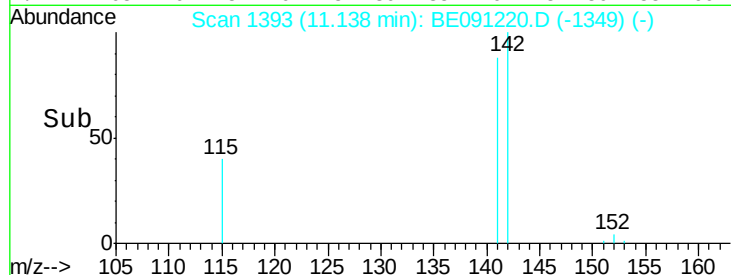
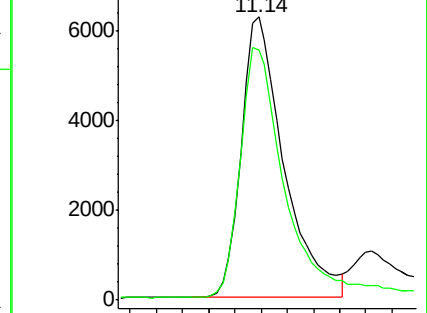
142 100

141 97.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.40 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE091220.D

Acq: 18 Nov 2015 10:27

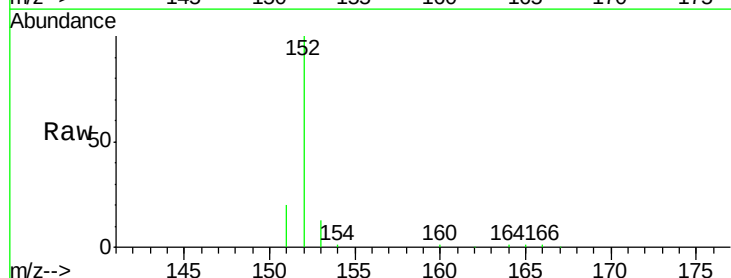
Tgt Ion:152 Resp: 23495

Ion Ratio Lower Upper

152 100

151 19.9 16.8 25.2

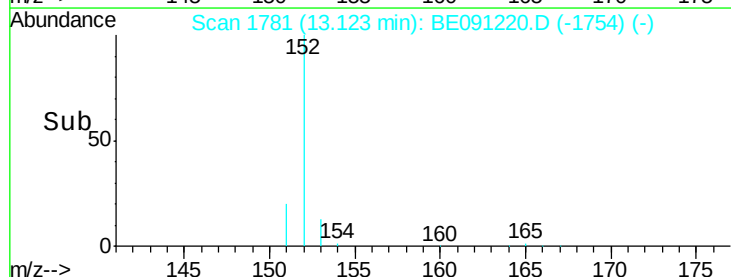
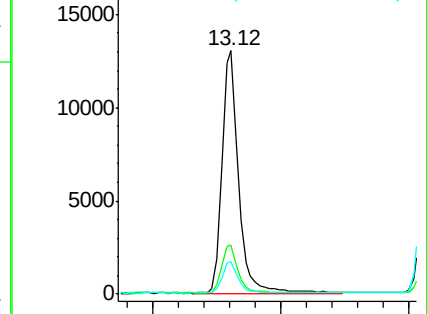
153 13.3 11.3 16.9

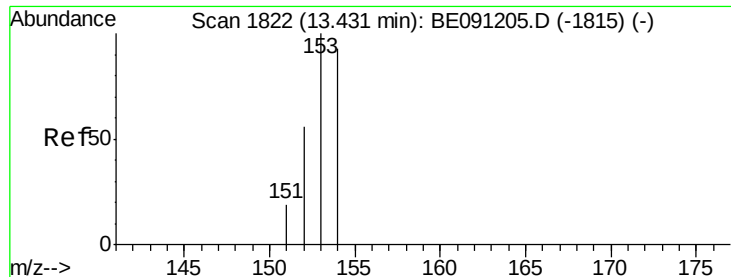


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.43 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BE091220.D

Acq: 18 Nov 2015 10:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.473

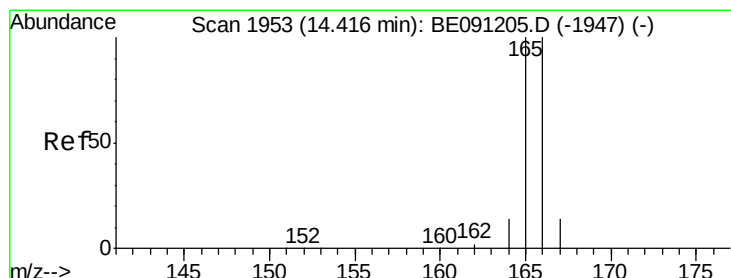
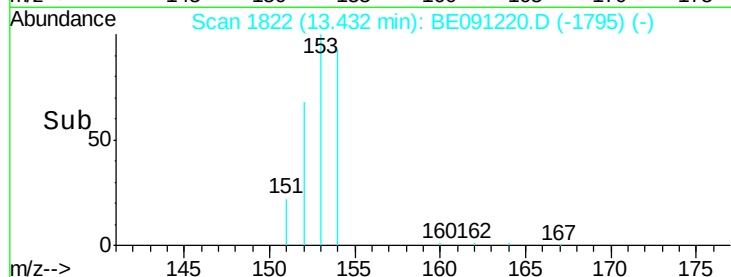
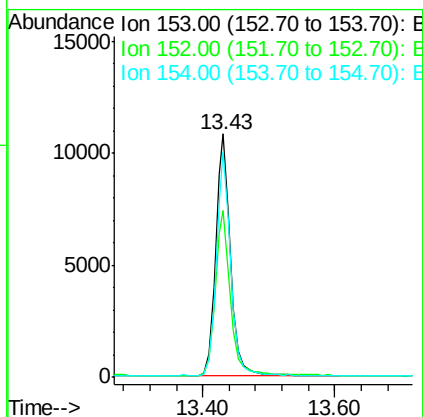
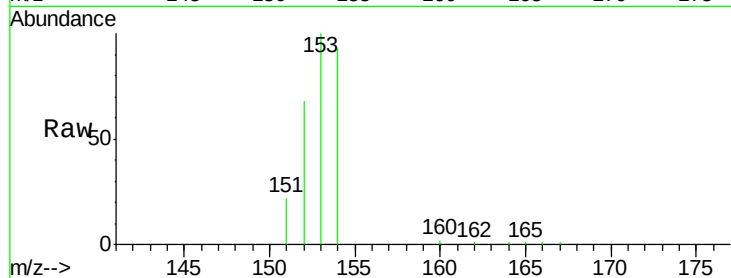
Tgt Ion:153 Resp: 17169

Ion Ratio Lower Upper

153 100

152 68.4 42.3 63.5#

154 92.5 64.7 97.1



#11

Fluorene

Concen: 0.44 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE091220.D

Acq: 18 Nov 2015 10:27

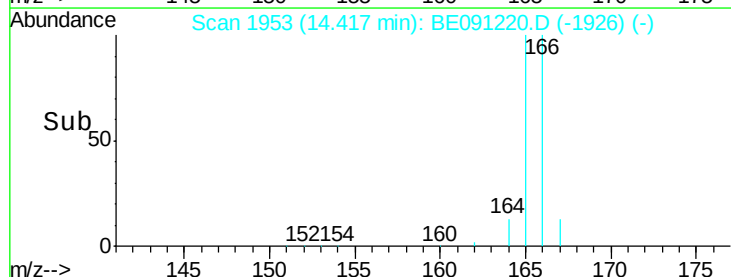
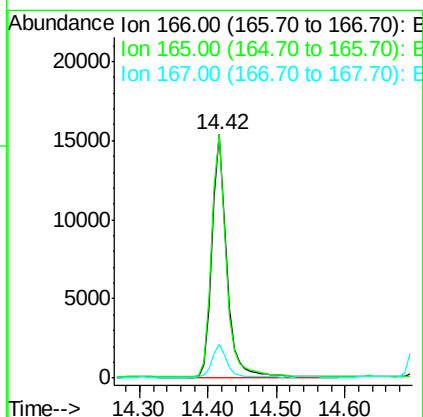
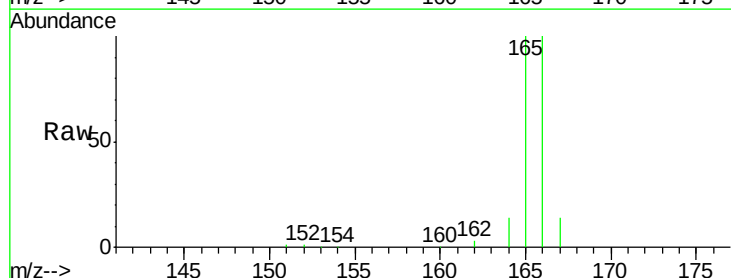
Tgt Ion:166 Resp: 23067

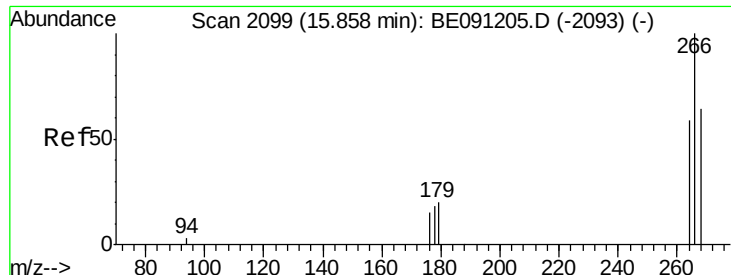
Ion Ratio Lower Upper

166 100

165 100.2 87.6 131.4

167 13.6 11.1 16.7

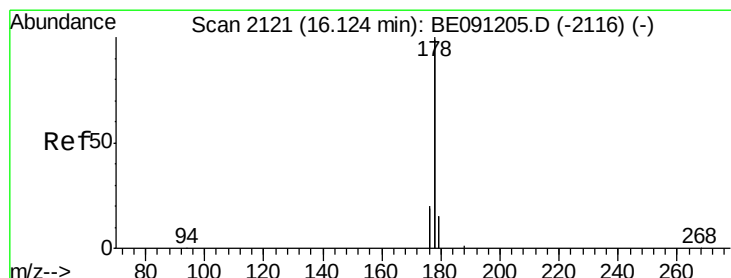
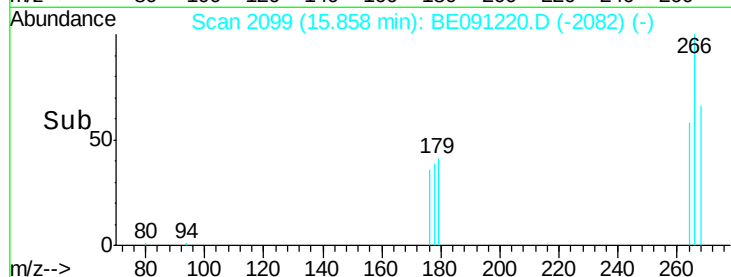
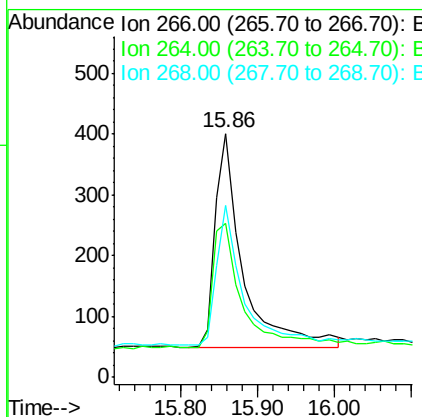
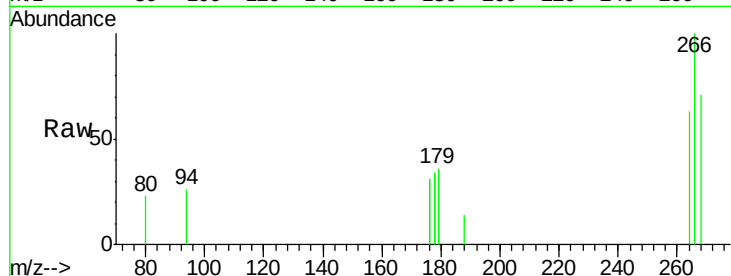




#13
 Pentachlorophenol
 Concen: 0.26 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: BE091220.D
 Acq: 18 Nov 2015 10:27

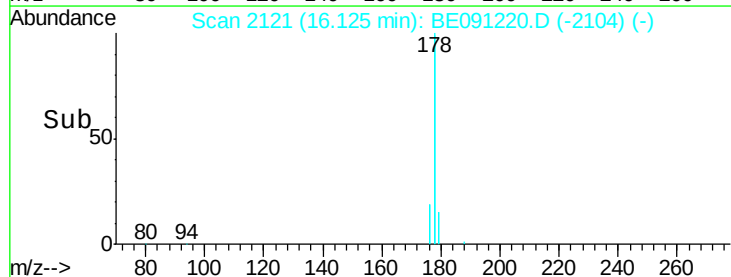
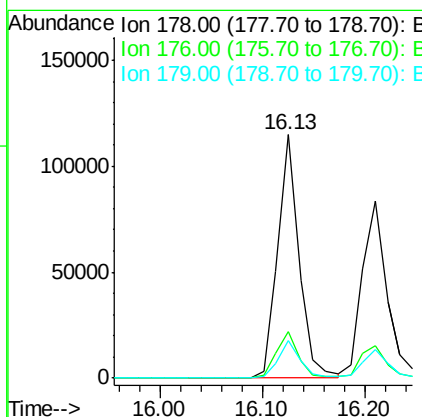
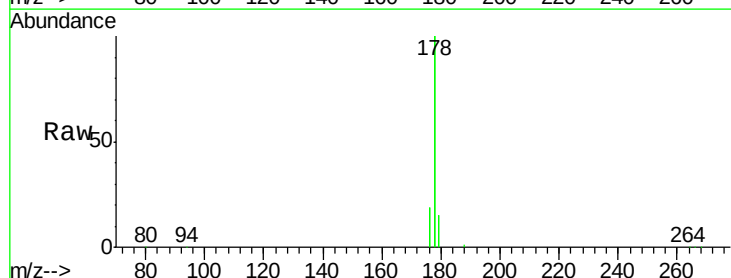
Instrument :
 BNA_E
 ClientSampleId :
 SST0.473

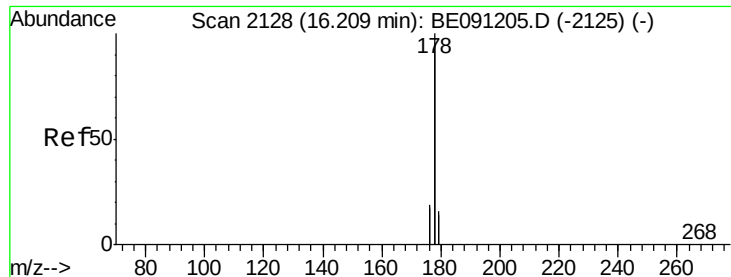
Tgt Ion: 266 Resp: 872
 Ion Ratio Lower Upper
 266 100
 264 62.7 53.5 80.3
 268 64.4 54.2 81.2



#14
 Phenanthrene
 Concen: 0.41 ng/ul
 RT: 16.13 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091220.D
 Acq: 18 Nov 2015 10:27

Tgt Ion: 178 Resp: 165090
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 15.4 12.8 19.2





#15

Anthracene

Concen: 0.39 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BE091220.D

Acq: 18 Nov 2015 10:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.473

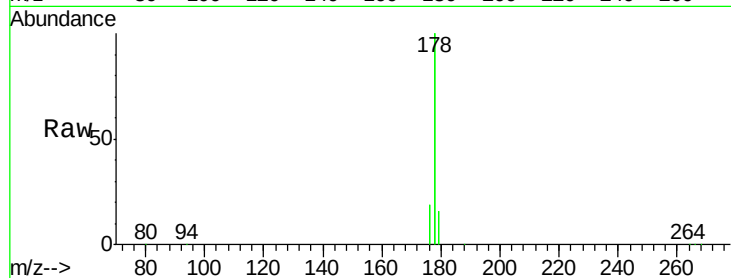
Tgt Ion:178 Resp: 142833

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

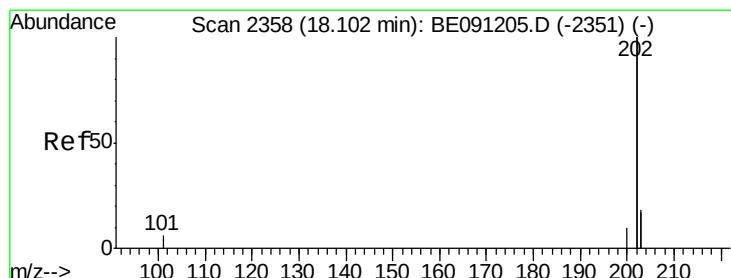
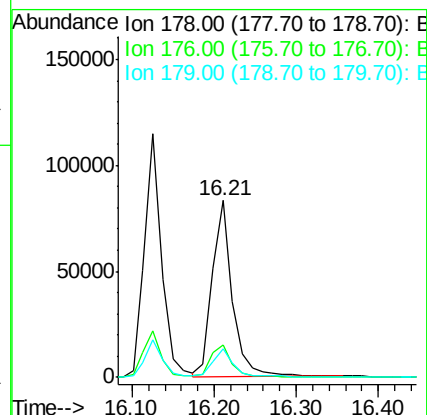
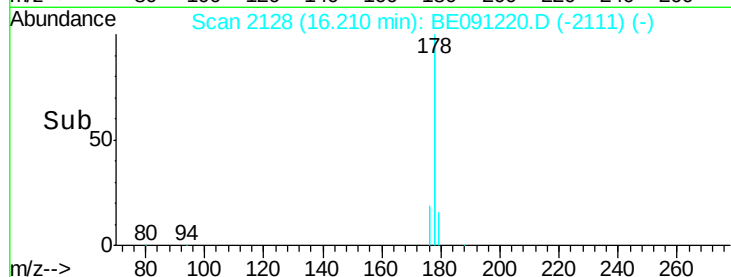
179 15.9 13.3 19.9



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: 0.46 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. -0.00 min

Lab File: BE091220.D

Acq: 18 Nov 2015 10:27

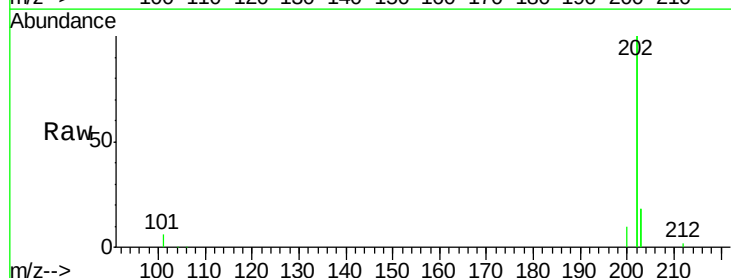
Tgt Ion:202 Resp: 216811

Ion Ratio Lower Upper

202 100

101 3.0 0.0 33.1

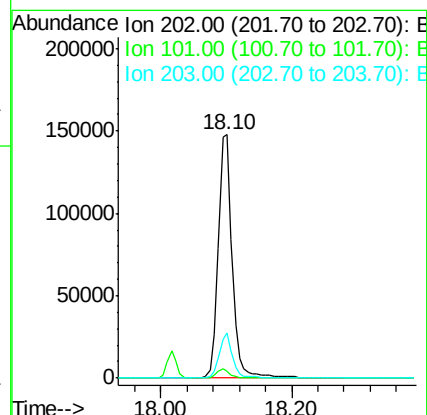
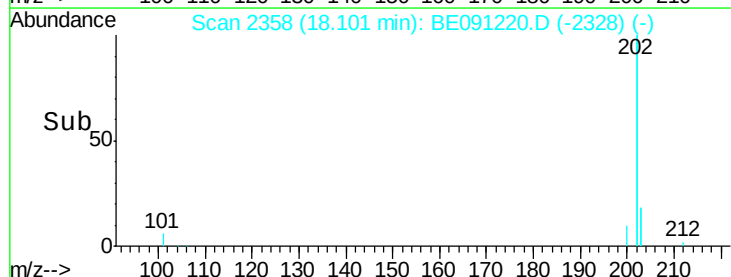
203 18.3 0.0 37.2

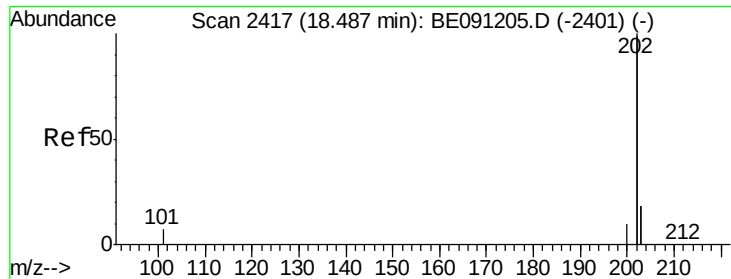


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.36 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BE091220.D

Acq: 18 Nov 2015 10:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.473

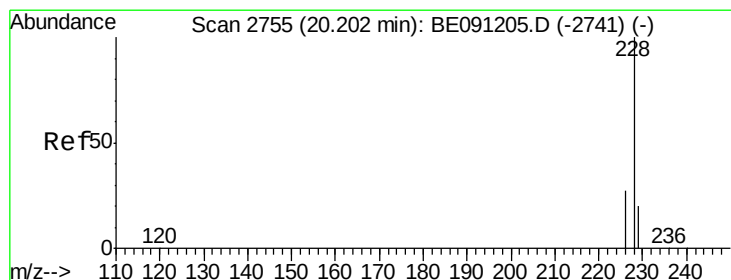
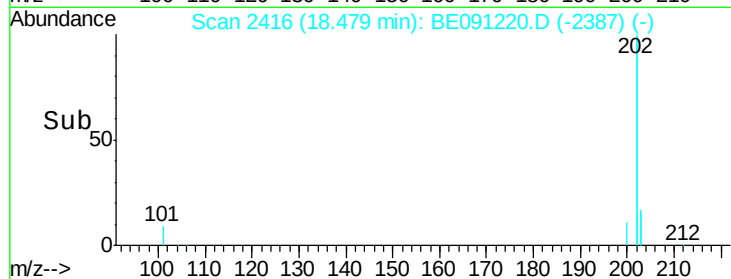
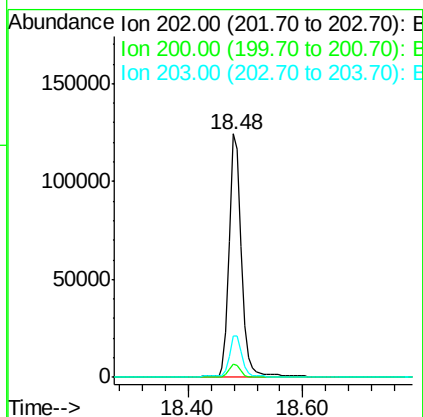
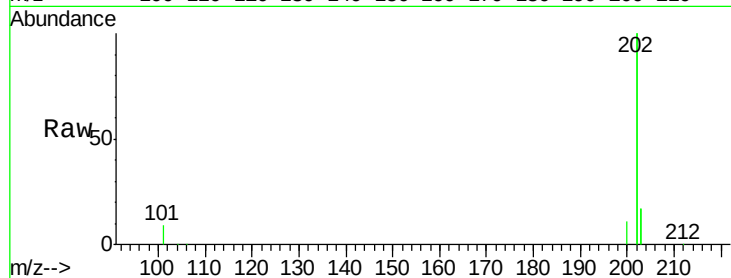
Tgt Ion:202 Resp: 180509

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

203 16.8 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.38 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE091220.D

Acq: 18 Nov 2015 10:27

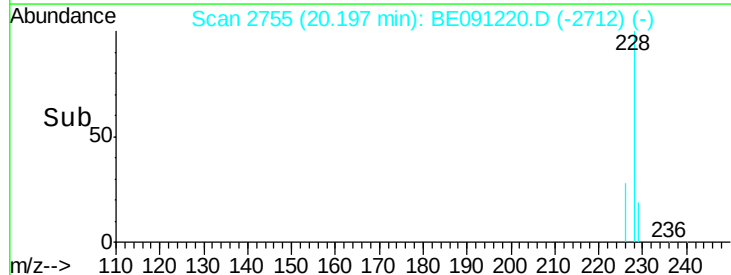
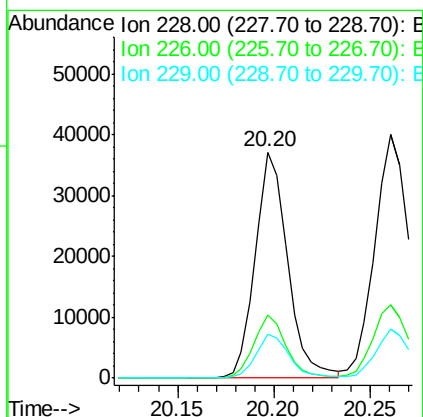
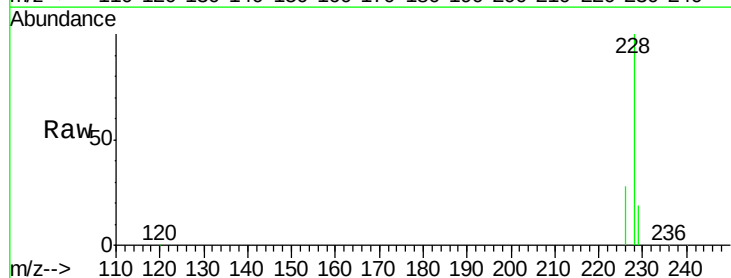
Tgt Ion:228 Resp: 42915

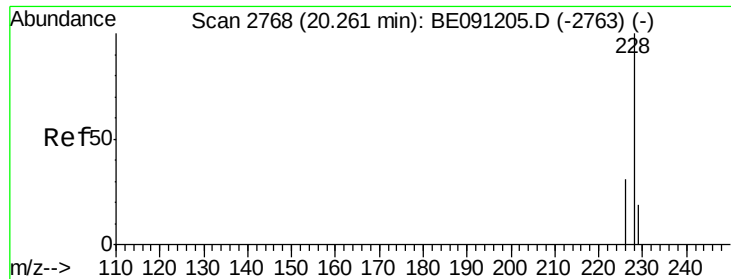
Ion Ratio Lower Upper

228 100

226 28.0 23.0 34.4

229 19.3 15.2 22.8





#21

Chrysene

Concen: 0.40 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE091220.D

Acq: 18 Nov 2015 10:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.473

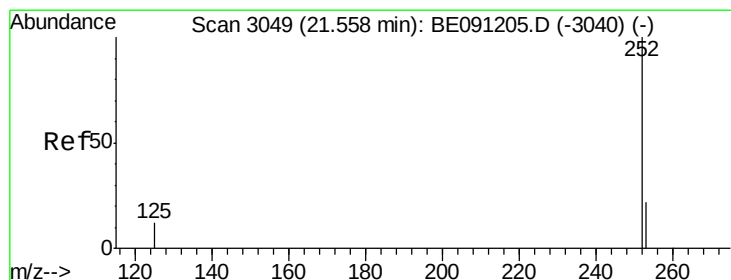
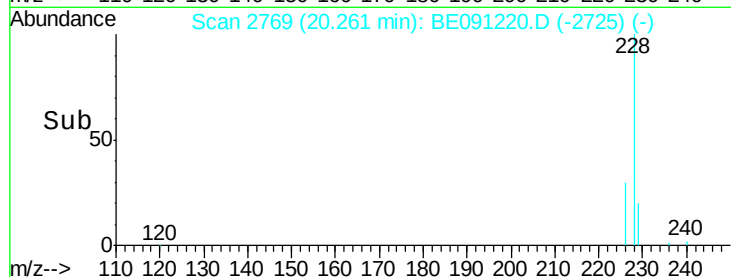
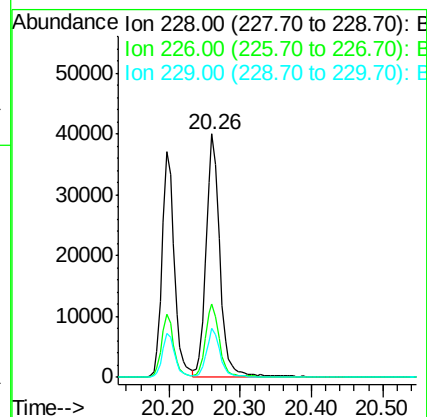
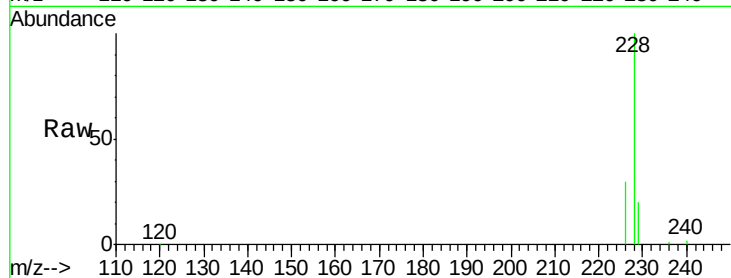
Tgt Ion:228 Resp: 52455

Ion Ratio Lower Upper

228 100

226 30.1 25.7 38.5

229 19.9 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.42 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BE091220.D

Acq: 18 Nov 2015 10:27

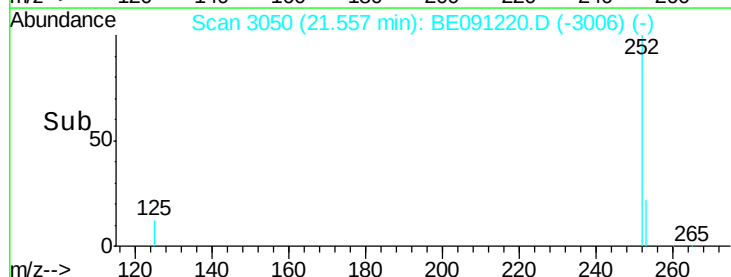
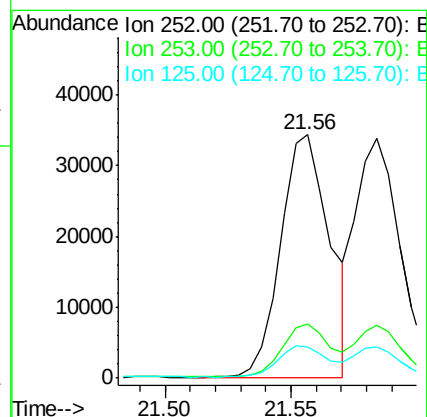
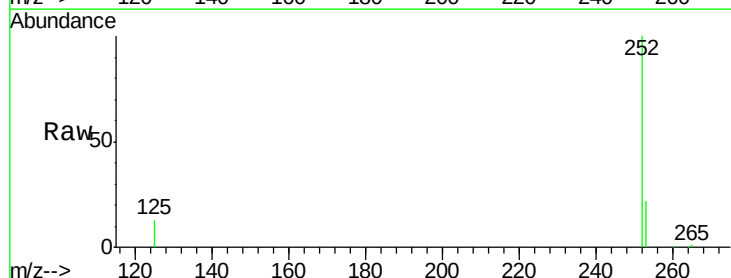
Tgt Ion:252 Resp: 46007

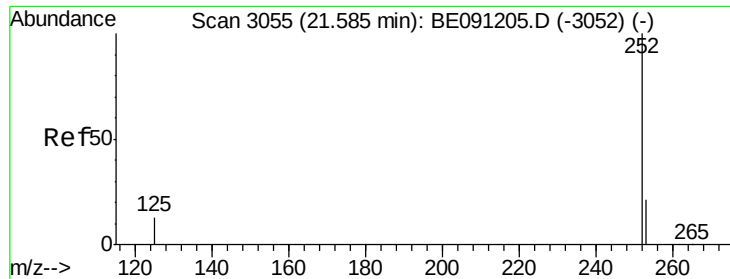
Ion Ratio Lower Upper

252 100

253 22.5 0.0 48.0

125 12.8 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 21.58 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE091220.D

Acq: 18 Nov 2015 10:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.473

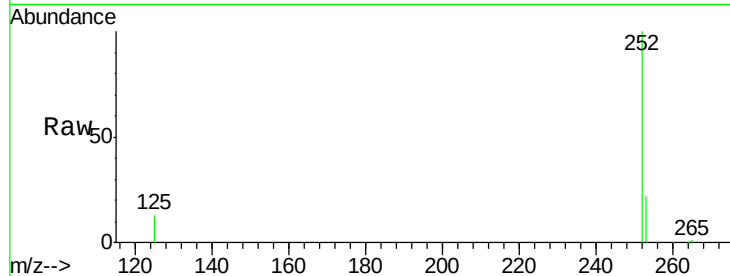
Tgt Ion:252 Resp: 45151

Ion Ratio Lower Upper

252 100

253 21.9 20.8 31.2

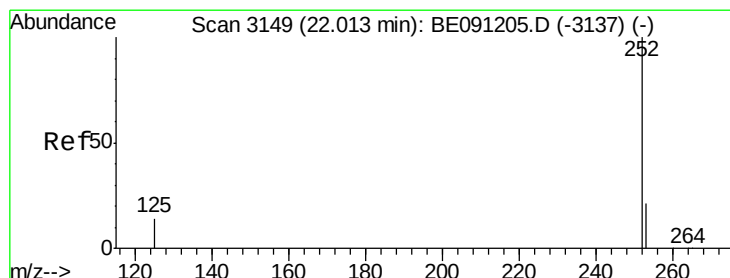
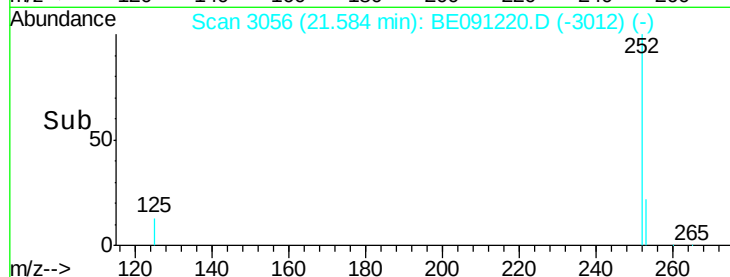
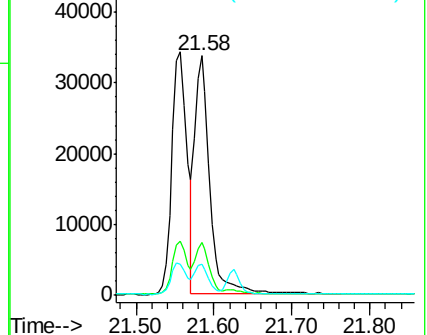
125 13.2 12.2 18.4



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



#25

Benzo(a)pyrene

Concen: 0.44 ng/ul

RT: 22.01 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BE091220.D

Acq: 18 Nov 2015 10:27

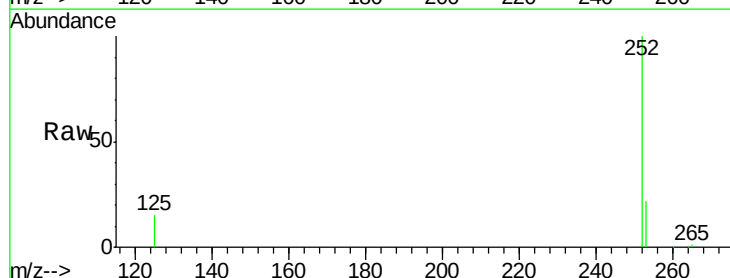
Tgt Ion:252 Resp: 44860

Ion Ratio Lower Upper

252 100

253 21.9 21.8 32.8

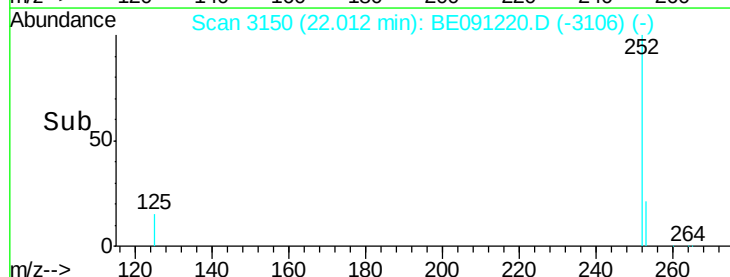
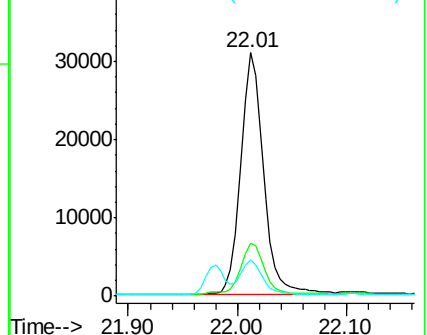
125 15.0 14.5 21.7

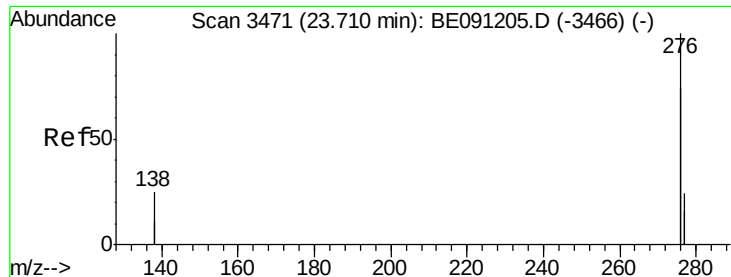


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

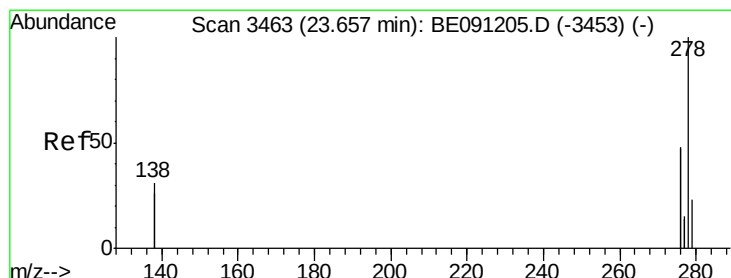
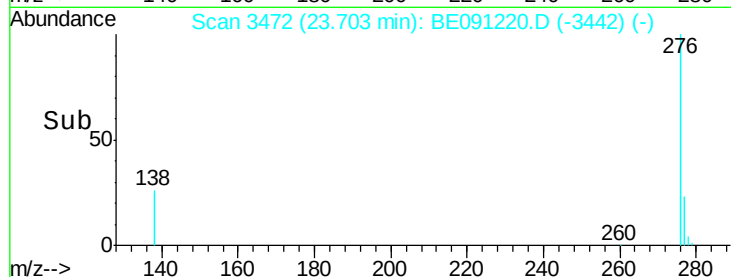
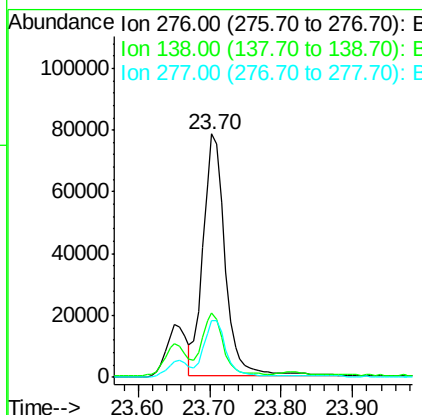
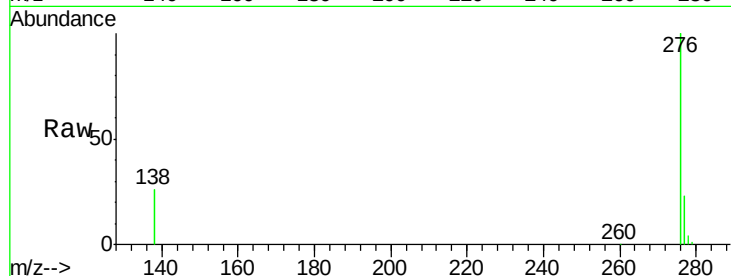




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.39 ng/ul
 RT: 23.70 min Scan# 3472
 Delta R.T. -0.01 min
 Lab File: BE091220.D
 Acq: 18 Nov 2015 10:27

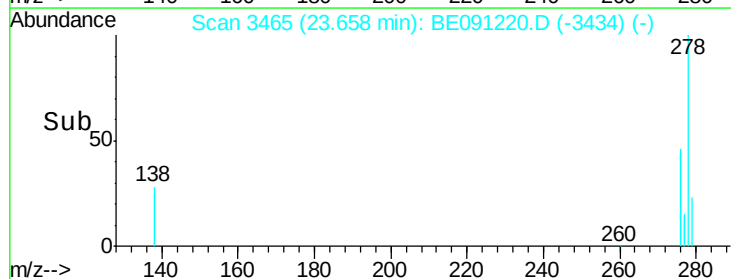
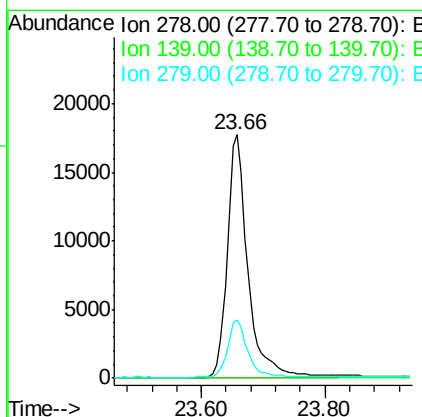
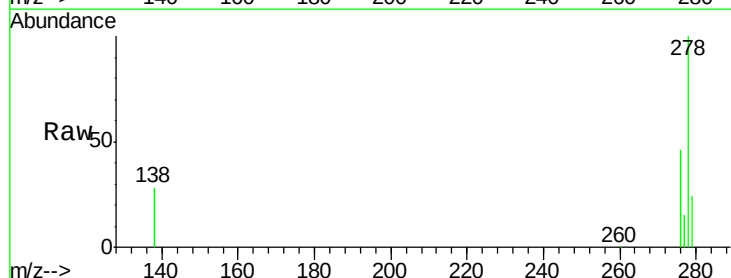
Instrument :
 BNA_E
 ClientSampleId :
 SST0.473

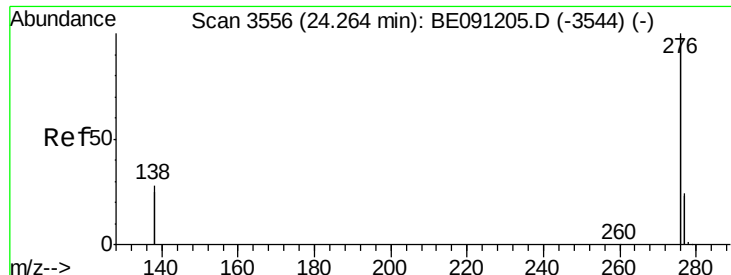
Tgt Ion: 276 Resp: 168429
 Ion Ratio Lower Upper
 276 100
 138 24.2 27.5 41.3#
 277 23.3 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.40 ng/ul
 RT: 23.66 min Scan# 3465
 Delta R.T. 0.00 min
 Lab File: BE091220.D
 Acq: 18 Nov 2015 10:27

Tgt Ion: 278 Resp: 40851
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 23.8 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.38 ng/ul

RT: 24.26 min Scan# 3557

Delta R.T. -0.01 min

Lab File: BE091220.D

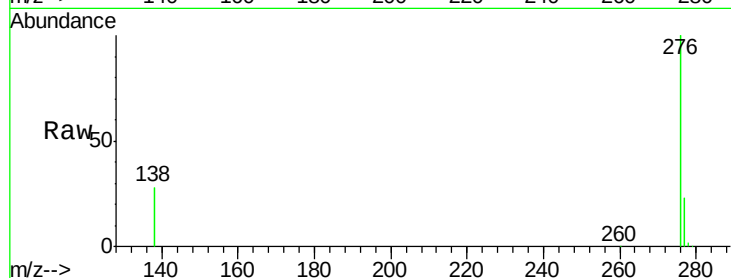
Acq: 18 Nov 2015 10:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.473



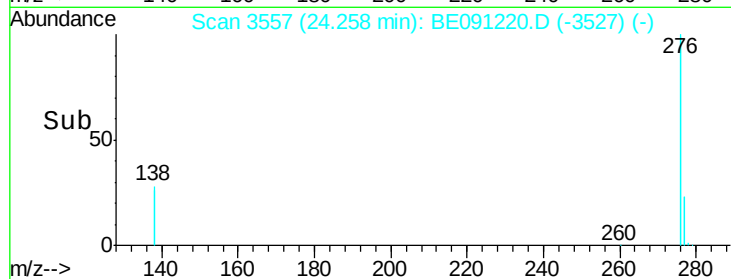
Tgt Ion: 276 Resp: 172430

Ion Ratio Lower Upper

276 100

277 23.4 21.3 31.9

138 28.2 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

