

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091273.D
 Acq On : 21 Nov 2015 12:13
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.482

Quant Time: Nov 22 00:48:42 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 : Sun Nov 22 00:42:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	2773	0.40	ng/ul	0.00
4) Naphthalene-d8	9.56	136	12355	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	5659	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	15881	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	17589	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	13615	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.96	96	4285	2.15	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.07	152	6203	0.37	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	16044	0.36	ng/ul	0.00

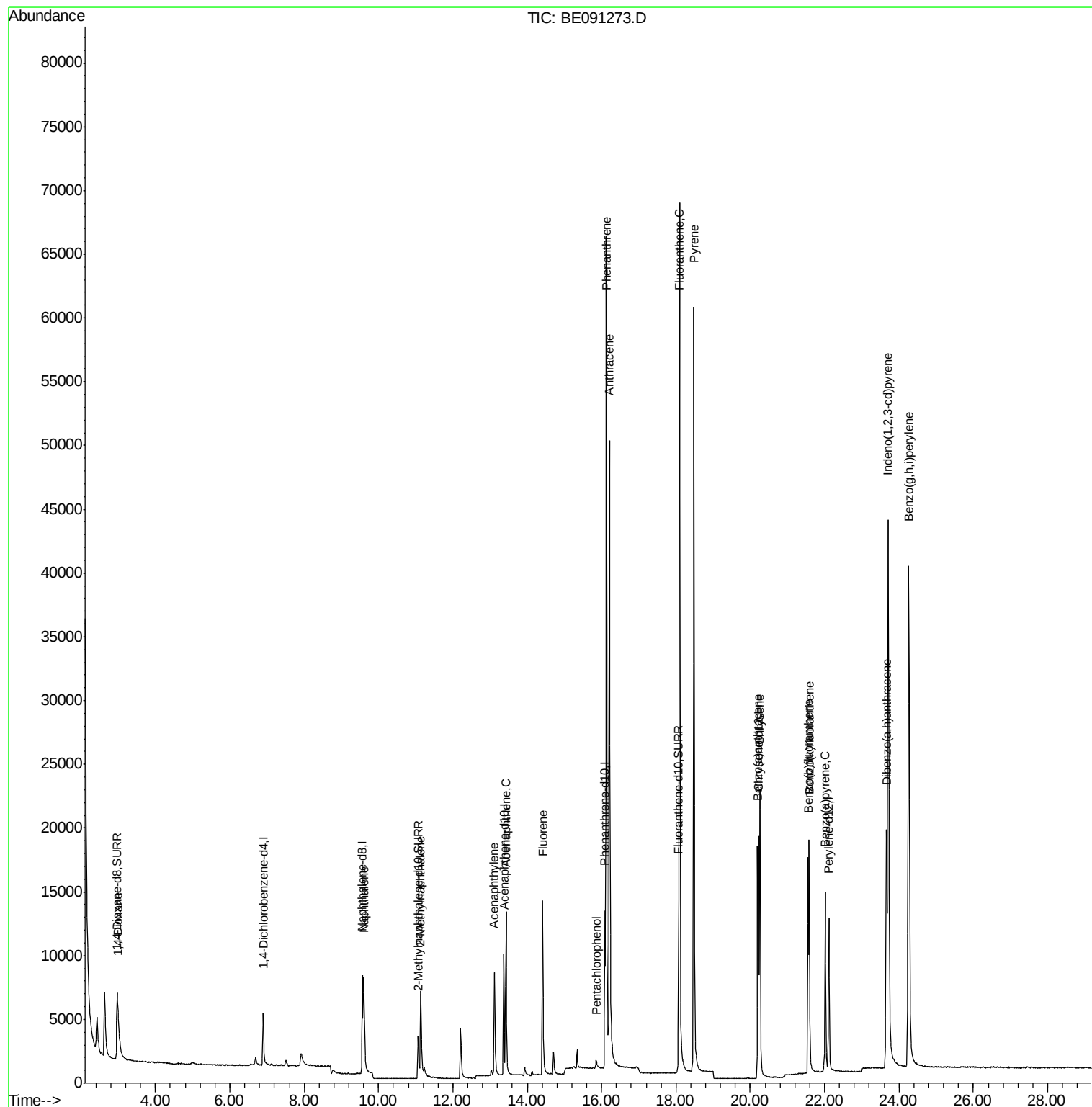
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.99	88	4507	2.00	ng/ul#	59
5) Naphthalene	9.61	128	12499	0.41	ng/ul	98
7) 2-Methylnaphthalene	11.13	142	7028	0.35	ng/ul	84
9) Acenaphthylene	13.11	152	11877	0.42	ng/ul	99
10) Acenaphthene	13.43	153	8313	0.43	ng/ul#	84
11) Fluorene	14.42	166	10581	0.43	ng/ul	95
13) Pentachlorophenol	15.86	266	801	0.53	ng/ul	93
14) Phenanthrene	16.12	178	72823	0.40	ng/ul	98
15) Anthracene	16.21	178	67235	0.40	ng/ul	98
17) Fluoranthene	18.10	202	85125	0.40	ng/ul	89
19) Pyrene	18.49	202	78765	0.39	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	17103	0.38	ng/ul	100
21) Chrysene	20.26	228	21545	0.41	ng/ul	98
23) Benzo(b)fluoranthene	21.56	252	17936	0.42	ng/ul	95
24) Benzo(k)fluoranthene	21.58	252	19930	0.46	ng/ul	94
25) Benzo(a)pyrene	22.02	252	17222	0.44	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.71	276	68325	0.41	ng/ul#	92
27) Dibenzo(a,h)anthracene	23.66	278	15960	0.41	ng/ul#	72
28) Benzo(g,h,i)perylene	24.26	276	71705	0.41	ng/ul	96

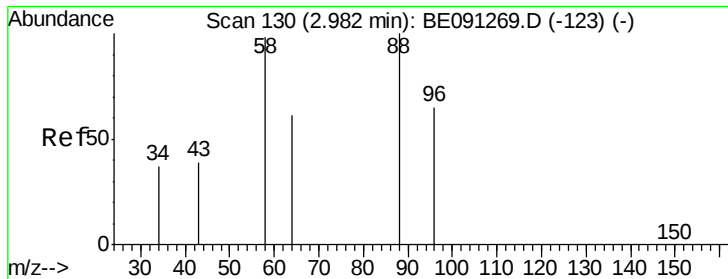
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
Data File : BE091273.D
Acq On : 21 Nov 2015 12:13
Operator : UM/NP
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.482

Quant Time: Nov 22 00:48:42 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 : Sun Nov 22 00:42:09 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 2.00 ng/ul

RT: 2.99 min Scan# 131

Delta R.T. 0.01 min

Lab File: BE091273.D

Acq: 21 Nov 2015 12:13

Instrument :

BNA_E

ClientSampleId :

SSTD0.482

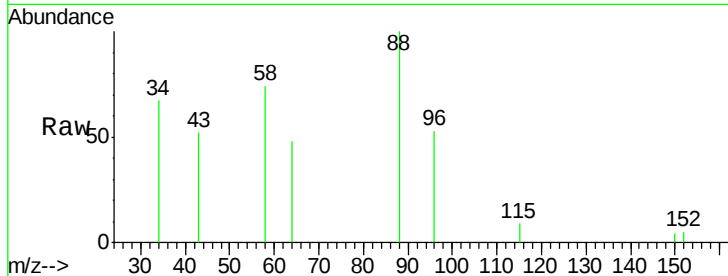
Tgt Ion: 88 Resp: 4507

Ion Ratio Lower Upper

88 100

58 108.6 55.4 83.2#

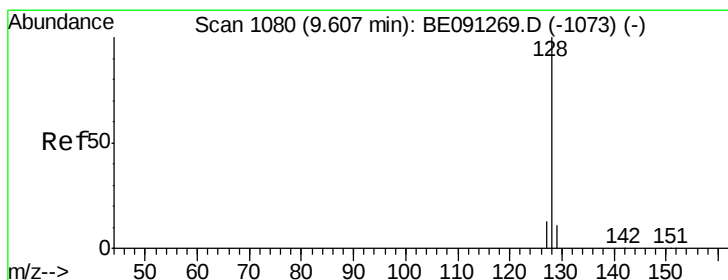
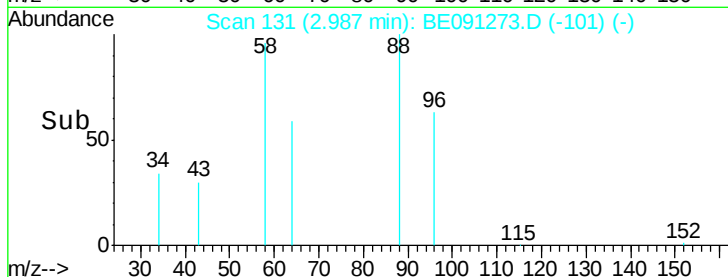
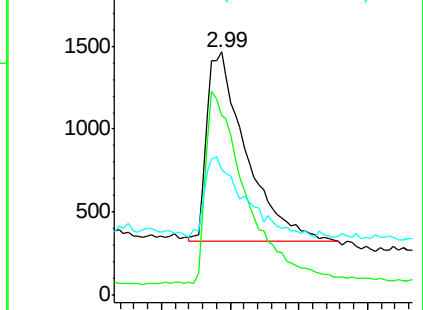
43 43.8 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091269.D (-123) (-)

Ion 58.00 (57.70 to 58.70): BE091269.D (-123) (-)

Ion 43.00 (42.70 to 43.70): BE091269.D (-123) (-)



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 9.61 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BE091273.D

Acq: 21 Nov 2015 12:13

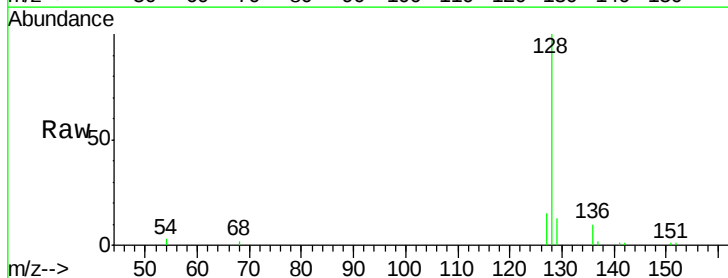
Tgt Ion: 128 Resp: 12499

Ion Ratio Lower Upper

128 100

129 12.8 9.8 14.8

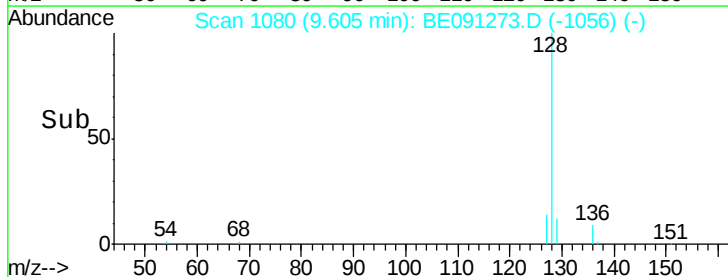
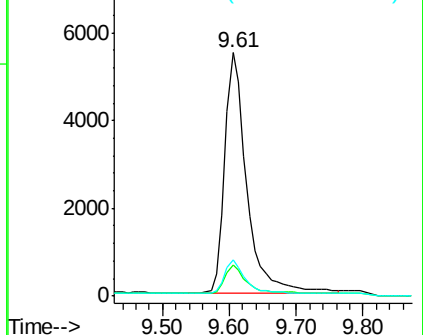
127 14.7 10.7 16.1

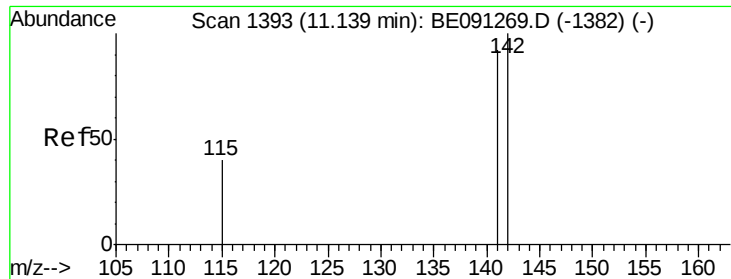


Abundance Ion 128.00 (127.70 to 128.70): BE091269.D (-1073) (-)

Ion 129.00 (128.70 to 129.70): BE091269.D (-1073) (-)

Ion 127.00 (126.70 to 127.70): BE091269.D (-1073) (-)





#7

2-Methylnaphthalene

Concen: 0.35 ng/ul

RT: 11.13 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BE091273.D

Acq: 21 Nov 2015 12:13

Instrument :

BNA_E

ClientSampleId :

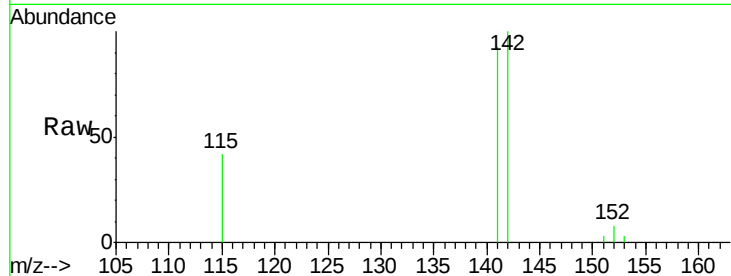
SSTD0.482

Tgt Ion:142 Resp: 7028

Ion Ratio Lower Upper

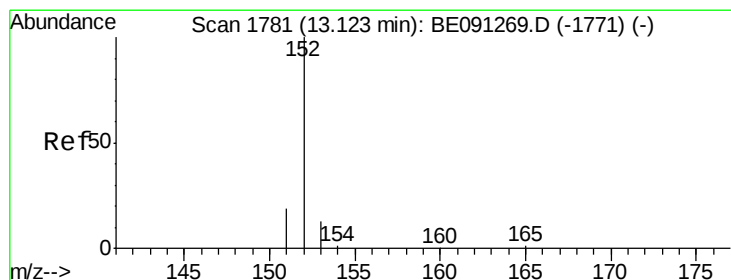
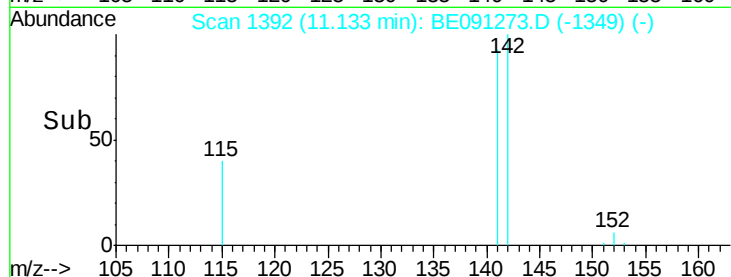
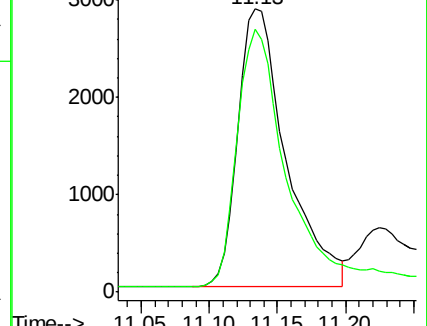
142 100

141 102.5 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: 0.42 ng/ul

RT: 13.11 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BE091273.D

Acq: 21 Nov 2015 12:13

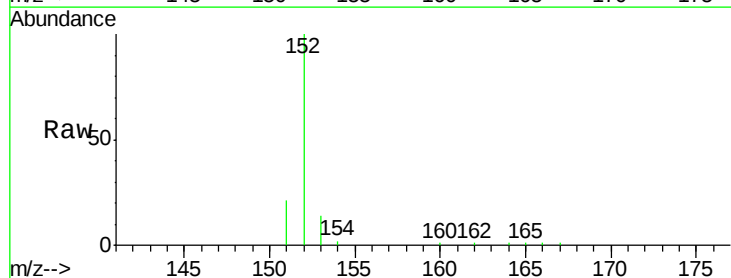
Tgt Ion:152 Resp: 11877

Ion Ratio Lower Upper

152 100

151 21.4 16.8 25.2

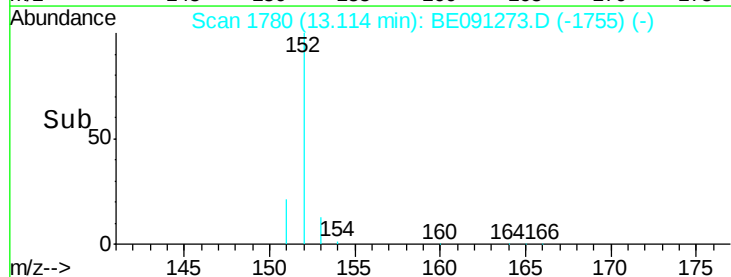
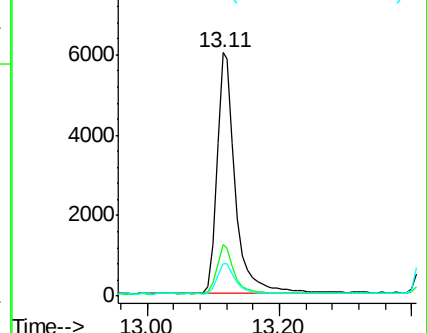
153 13.5 11.3 16.9

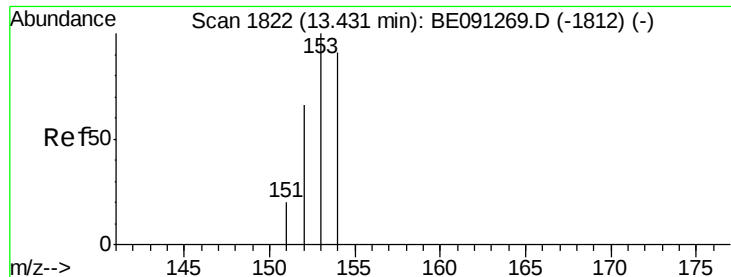


Abundance Ion 152.00 (151.70 to 152.70): E

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: BE091273.D

Acq: 21 Nov 2015 12:13

Instrument :

BNA_E

ClientSampleId :

SSTD0.482

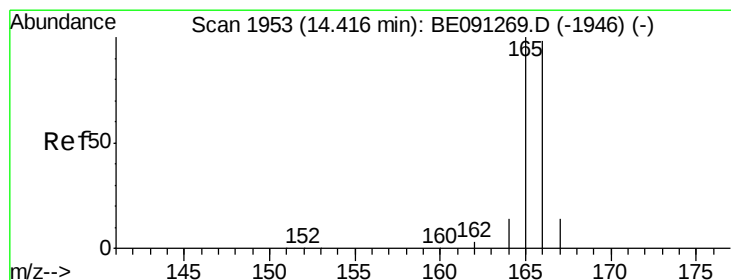
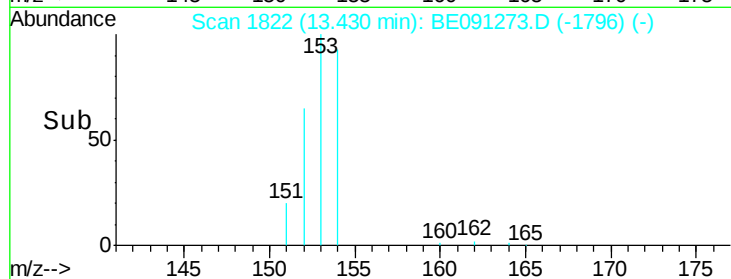
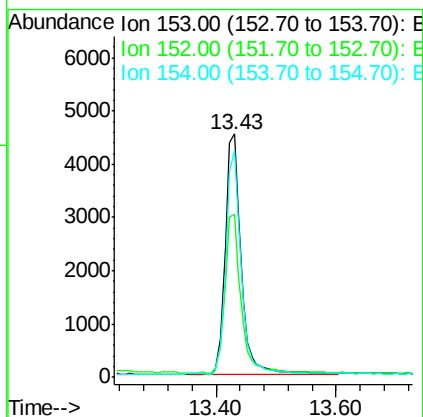
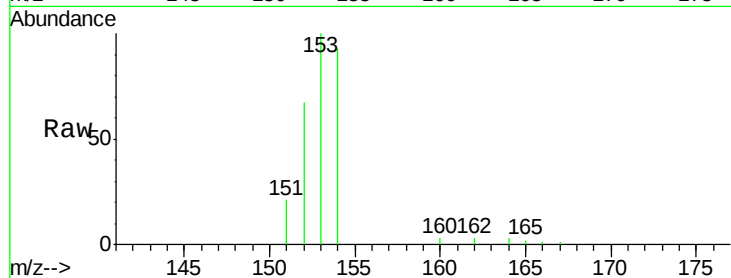
Tgt Ion:153 Resp: 8313

Ion Ratio Lower Upper

153 100

152 67.0 42.3 63.5#

154 93.2 64.7 97.1



#11

Fluorene

Concen: 0.43 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BE091273.D

Acq: 21 Nov 2015 12:13

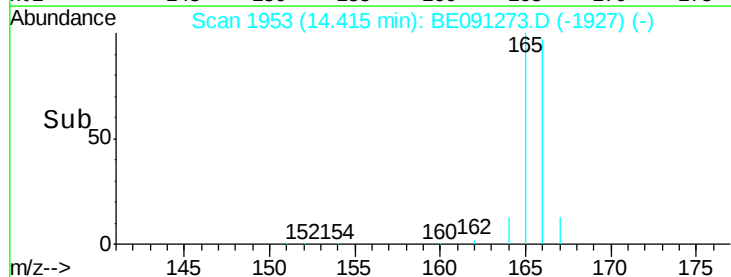
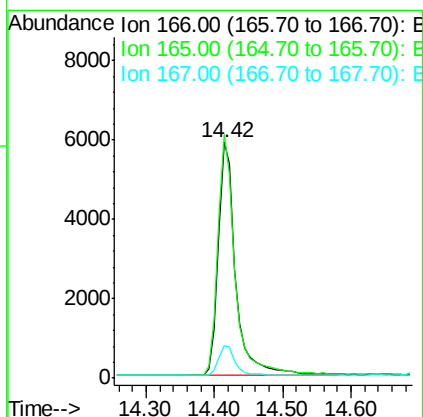
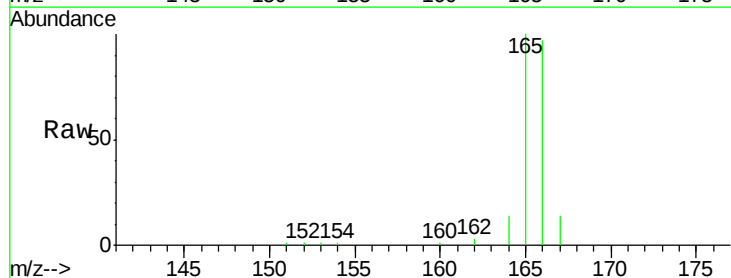
Tgt Ion:166 Resp: 10581

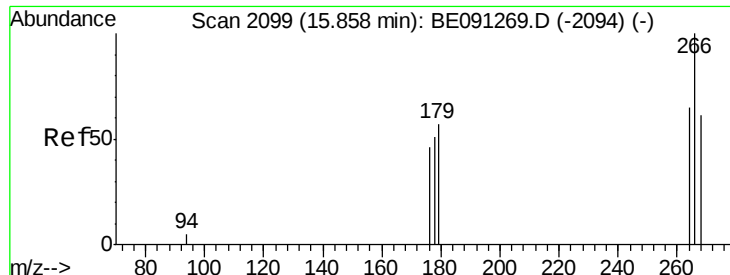
Ion Ratio Lower Upper

166 100

165 103.2 87.6 131.4

167 14.0 11.1 16.7

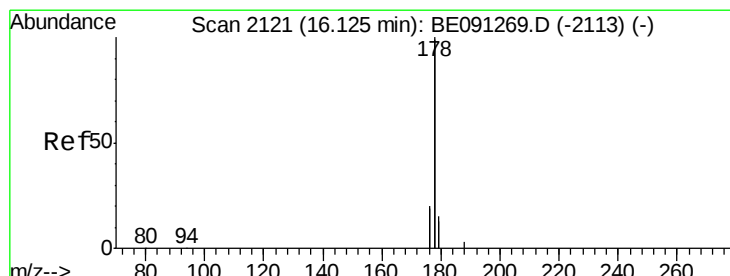
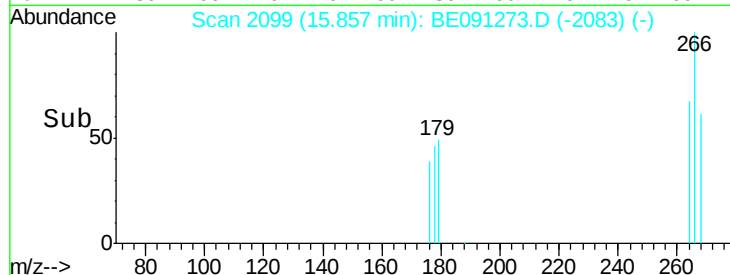
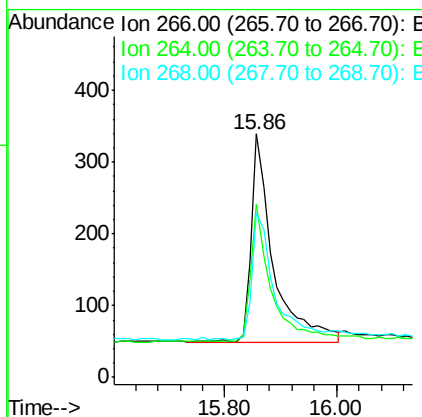
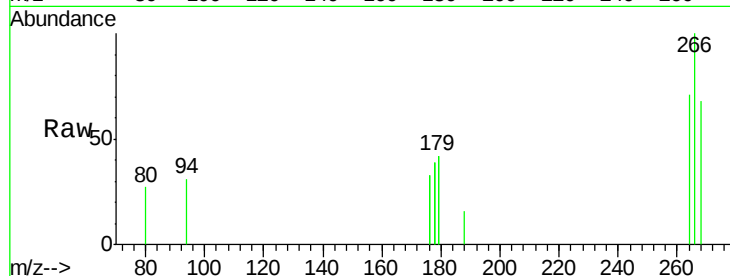




#13
 Pentachlorophenol
 Concen: 0.53 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: BE091273.D
 Acq: 21 Nov 2015 12:13

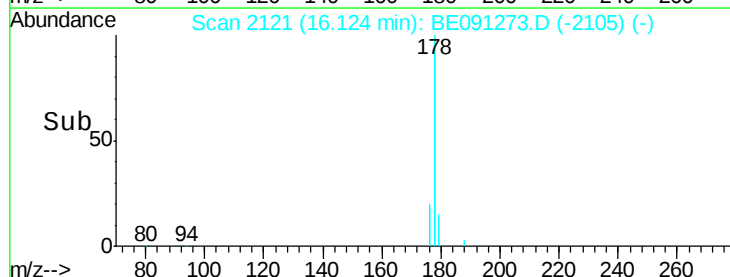
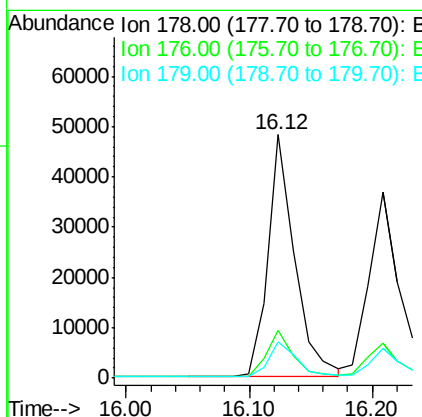
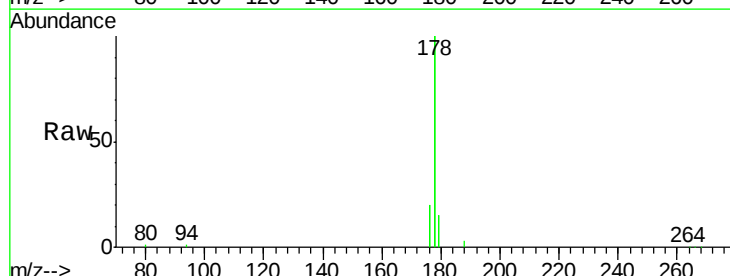
Instrument :
 BNA_E
 ClientSampleId :
 SST0.482

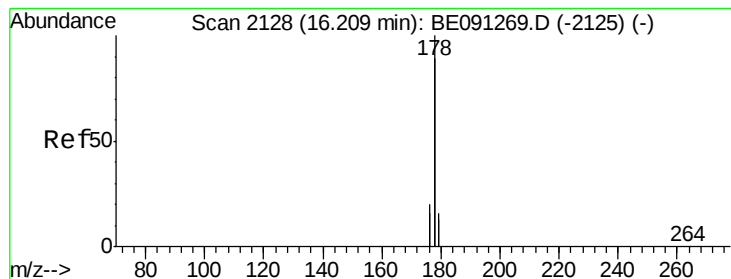
Tgt Ion: 266 Resp: 801
 Ion Ratio Lower Upper
 266 100
 264 61.2 53.5 80.3
 268 61.5 54.2 81.2



#14
 Phenanthrene
 Concen: 0.40 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. -0.00 min
 Lab File: BE091273.D
 Acq: 21 Nov 2015 12:13

Tgt Ion: 178 Resp: 72823
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.2 24.4
 179 15.1 12.8 19.2





#15

Anthracene

Concen: 0.40 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BE091273.D

Acq: 21 Nov 2015 12:13

Instrument :

BNA_E

ClientSampleId :

SSTD0.482

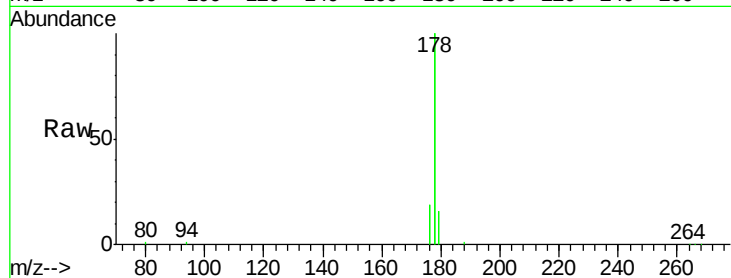
Tgt Ion:178 Resp: 67235

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

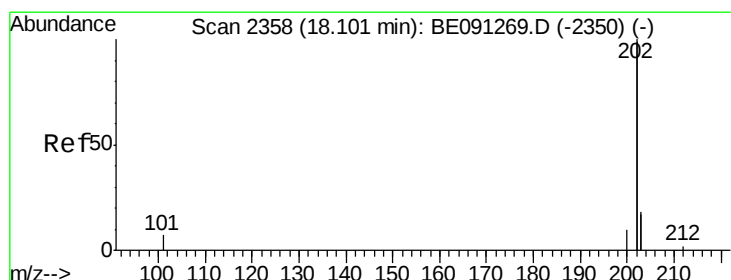
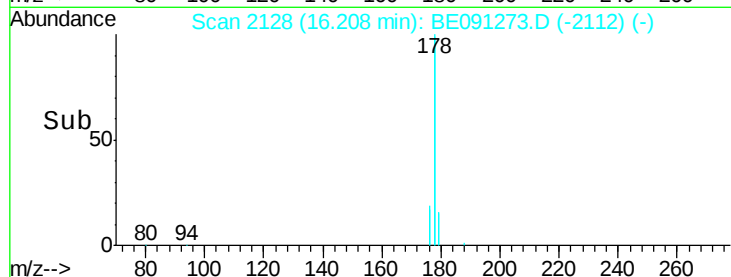
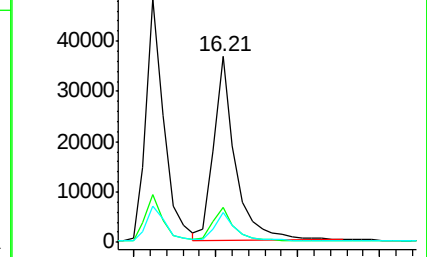
179 16.2 13.3 19.9



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: 0.40 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. 0.00 min

Lab File: BE091273.D

Acq: 21 Nov 2015 12:13

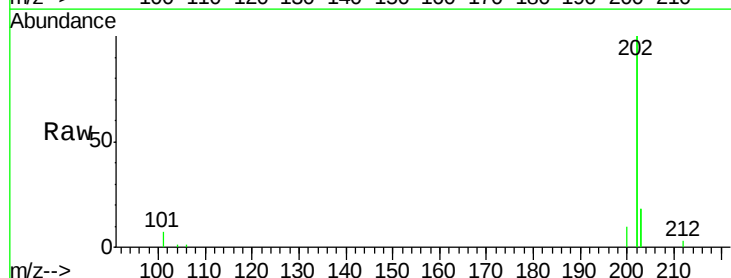
Tgt Ion:202 Resp: 85125

Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

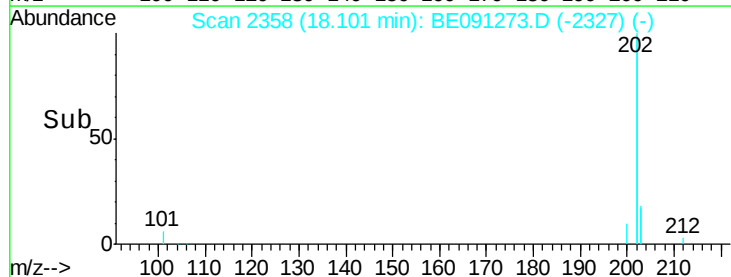
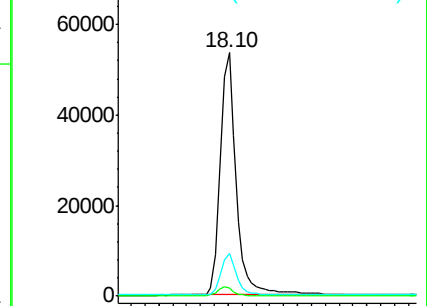
203 17.7 0.0 37.2

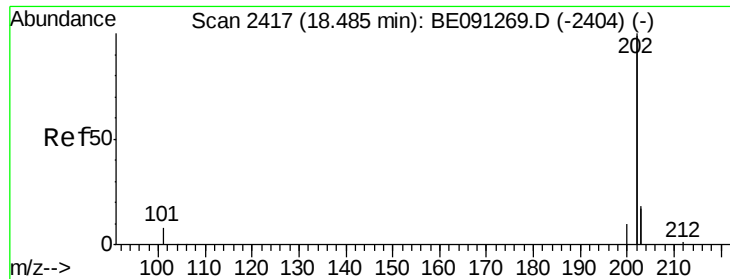


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2417

Delta R.T. 0.00 min

Lab File: BE091273.D

Acq: 21 Nov 2015 12:13

Instrument :

BNA_E

ClientSampleId :

SSTD0.482

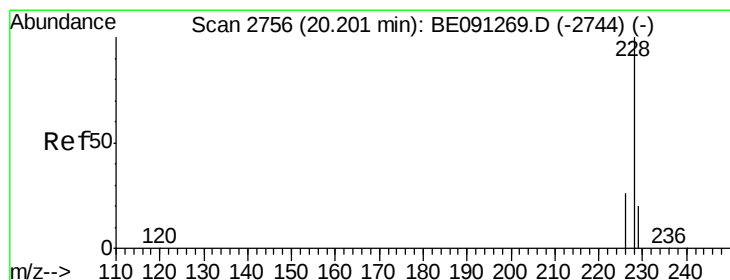
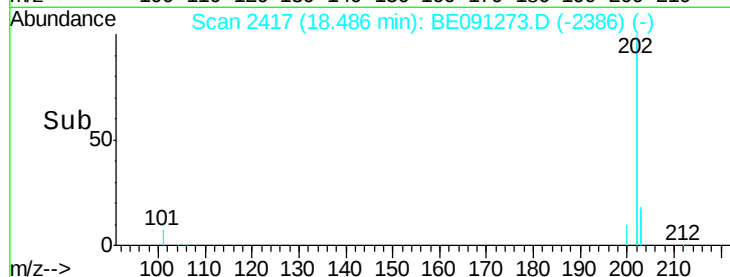
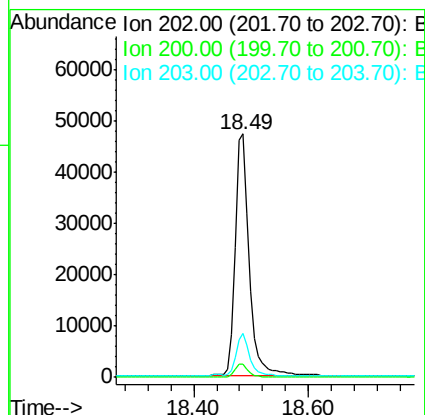
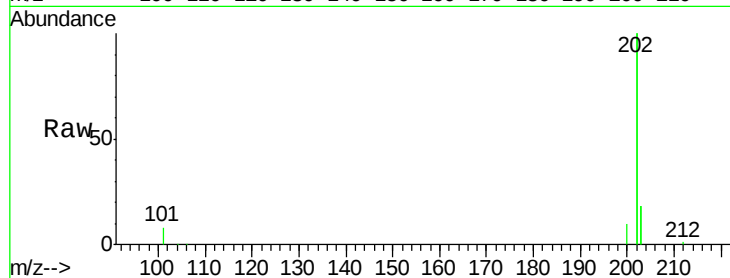
Tgt Ion:202 Resp: 78765

Ion Ratio Lower Upper

202 100

200 5.2 18.0 27.0#

203 18.3 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: BE091273.D

Acq: 21 Nov 2015 12:13

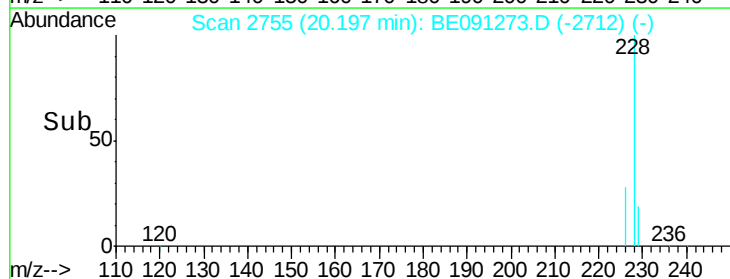
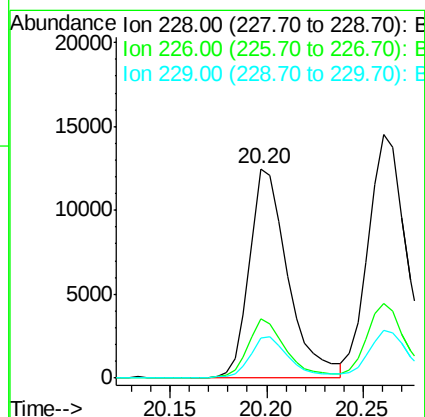
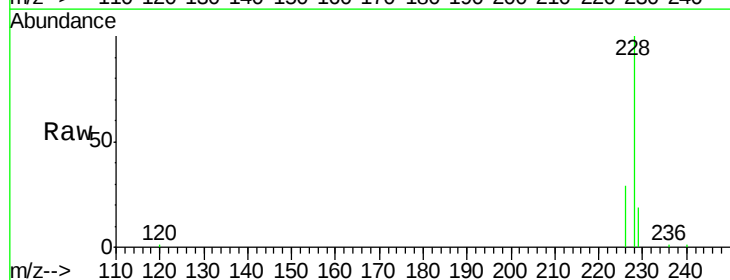
Tgt Ion:228 Resp: 17103

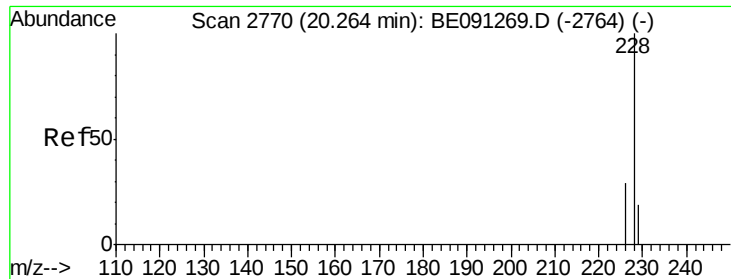
Ion Ratio Lower Upper

228 100

226 28.5 23.0 34.4

229 19.0 15.2 22.8





#21

Chrysene

Concen: 0.41 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE091273.D

Acq: 21 Nov 2015 12:13

Instrument :

BNA_E

ClientSampleId :

SSTD0.482

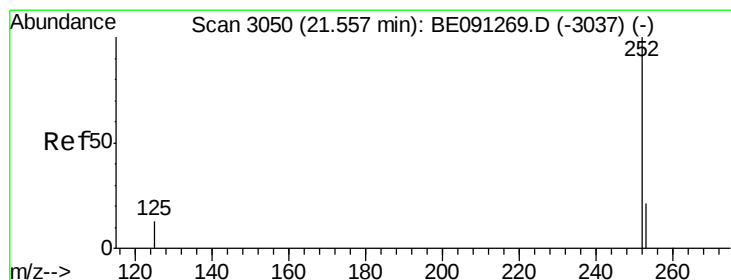
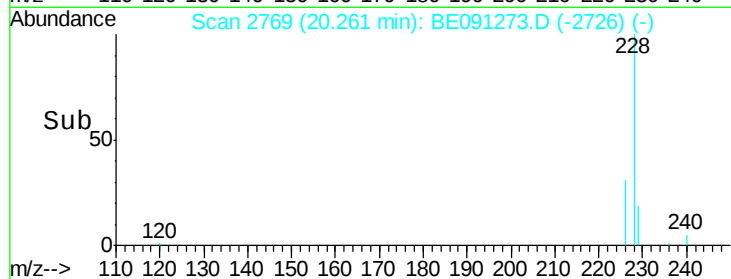
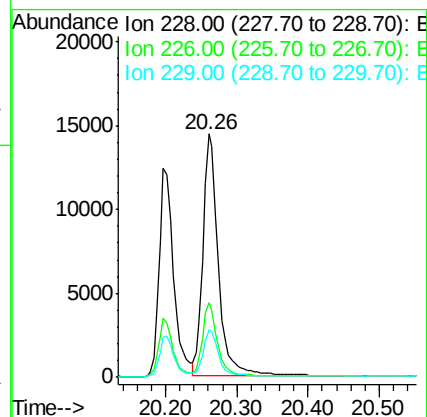
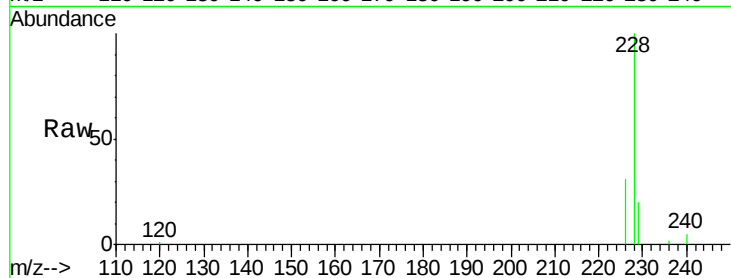
Tgt Ion:228 Resp: 21545

Ion Ratio Lower Upper

228 100

226 30.9 25.7 38.5

229 19.6 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: BE091273.D

Acq: 21 Nov 2015 12:13

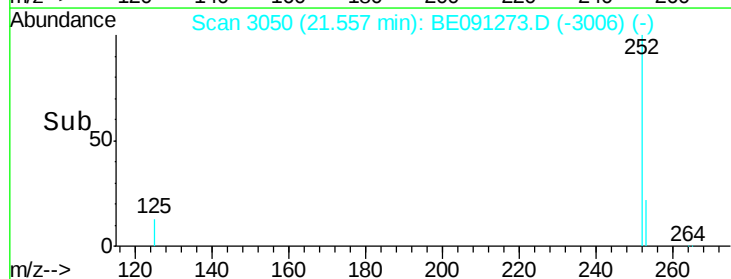
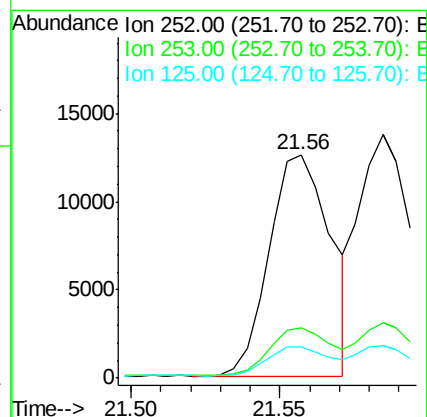
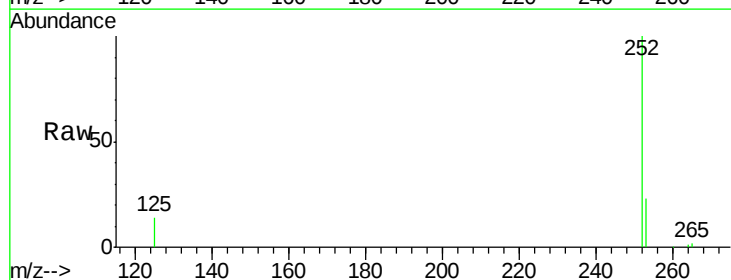
Tgt Ion:252 Resp: 17936

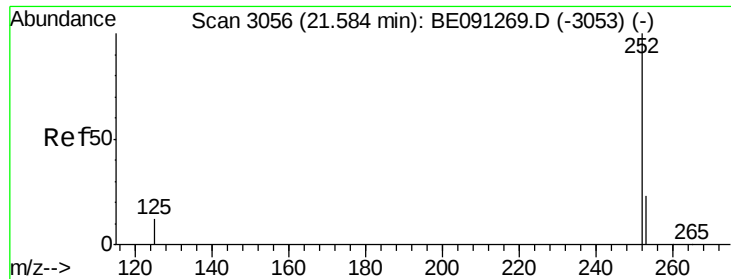
Ion Ratio Lower Upper

252 100

253 22.8 0.0 48.0

125 14.1 0.0 36.6

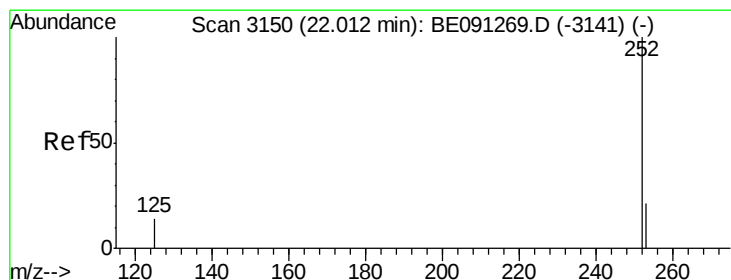
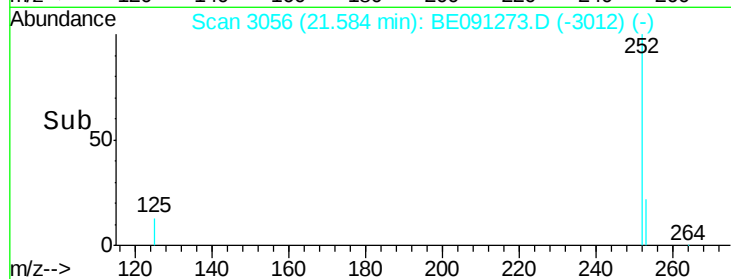
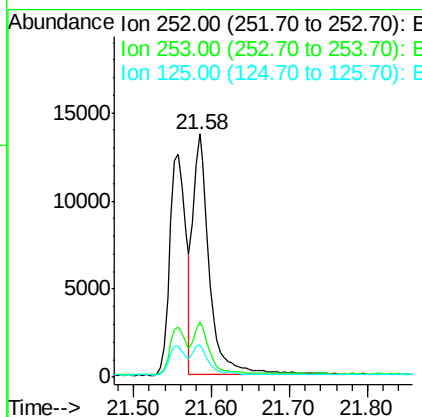
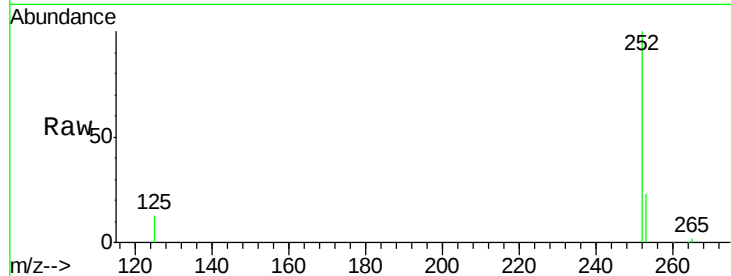




#24
Benzo(k)fluoranthene
Concen: 0.46 ng/ul
RT: 21.58 min Scan# 3056
Delta R.T. 0.00 min
Lab File: BE091273.D
Acq: 21 Nov 2015 12:13

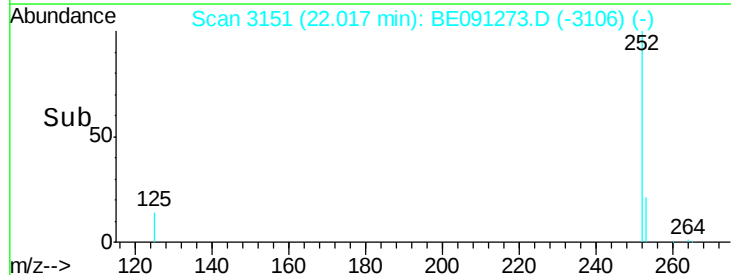
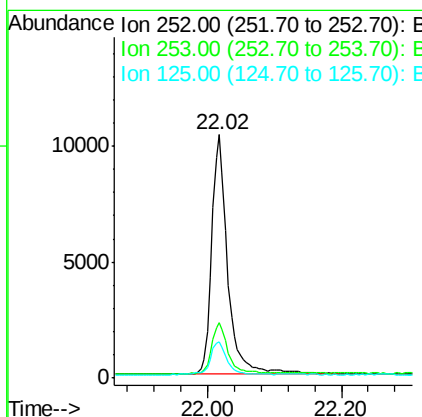
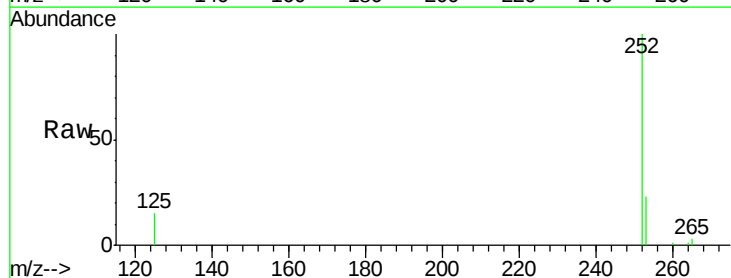
Instrument :
BNA_E
ClientSampleId :
SSTD0.482

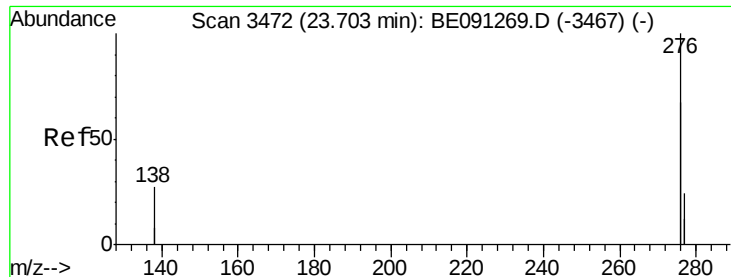
Tgt Ion:252 Resp: 19930
Ion Ratio Lower Upper
252 100
253 22.6 20.8 31.2
125 13.3 12.2 18.4



#25
Benzo(a)pyrene
Concen: 0.44 ng/ul
RT: 22.02 min Scan# 3151
Delta R.T. 0.00 min
Lab File: BE091273.D
Acq: 21 Nov 2015 12:13

Tgt Ion:252 Resp: 17222
Ion Ratio Lower Upper
252 100
253 23.0 21.8 32.8
125 14.9 14.5 21.7





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.41 ng/ul

RT: 23.71 min Scan# 3472

Delta R.T. 0.01 min

Lab File: BE091273.D

Acq: 21 Nov 2015 12:13

Instrument :

BNA_E

ClientSampleId :

SSTD0.482

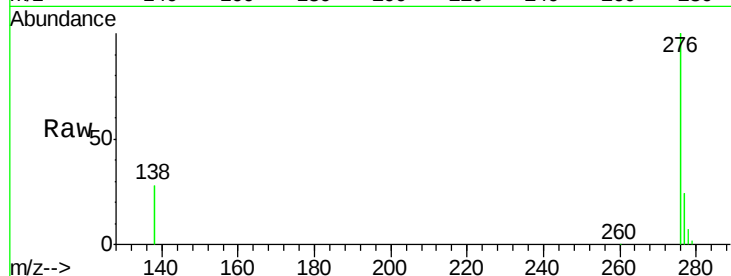
Tgt Ion:276 Resp: 68325

Ion Ratio Lower Upper

276 100

138 26.6 27.5 41.3#

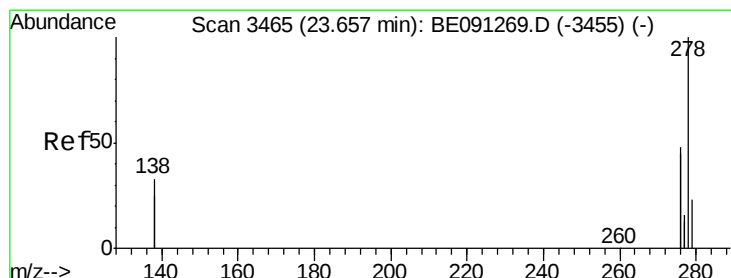
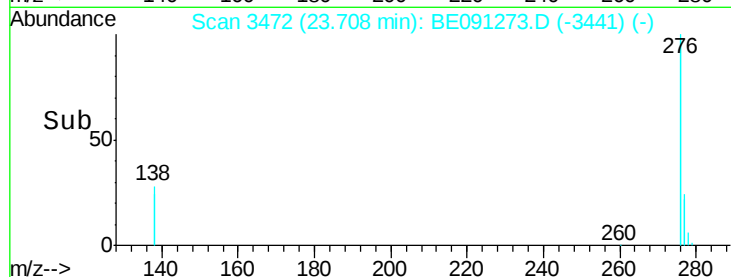
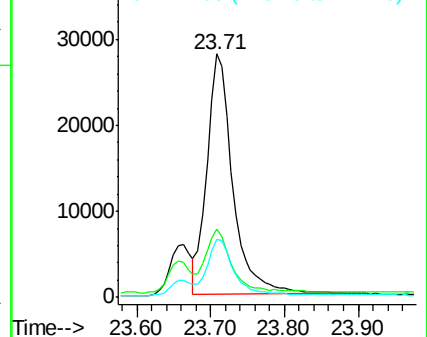
277 23.9 19.3 28.9



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: 0.41 ng/ul

RT: 23.66 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BE091273.D

Acq: 21 Nov 2015 12:13

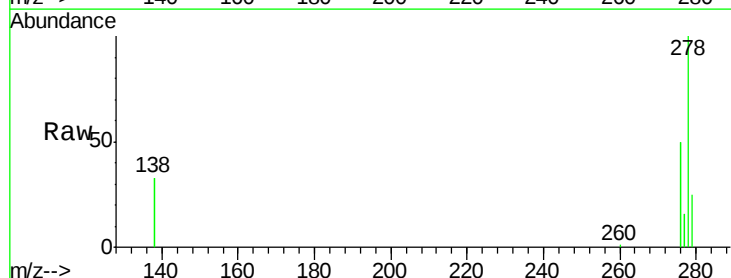
Tgt Ion:278 Resp: 15960

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

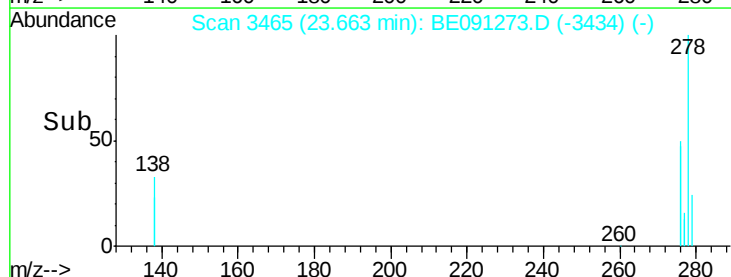
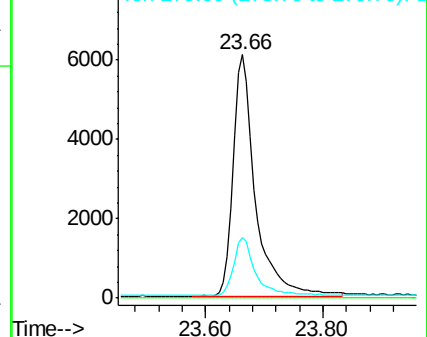
279 24.8 21.9 32.9

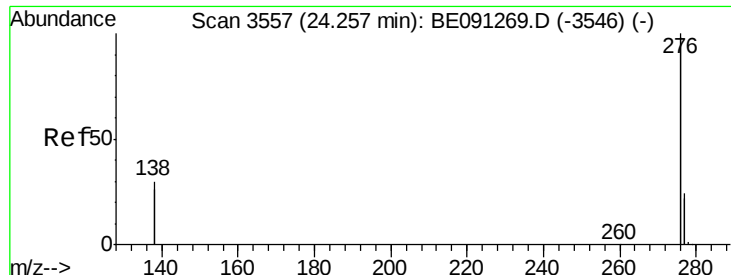


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.41 ng/ul

RT: 24.26 min Scan# 3557

Delta R.T. 0.01 min

Lab File: BE091273.D

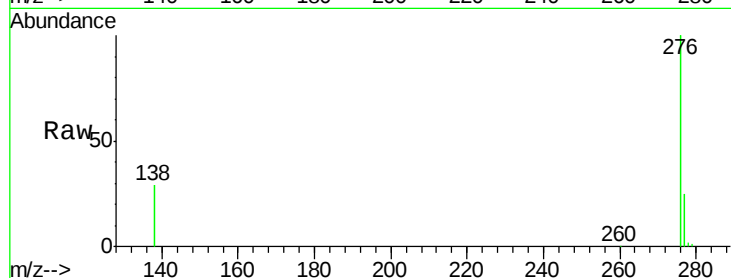
Acq: 21 Nov 2015 12:13

Instrument :

BNA_E

ClientSampleId :

SSTD0.482



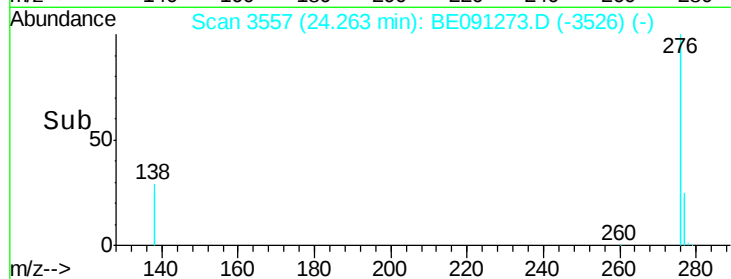
Tgt Ion: 276 Resp: 71705

Ion Ratio Lower Upper

276 100

277 24.7 21.3 31.9

138 29.3 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

