

Data Path : Z:\HPCHEM1\BNA E\Data\Be110515\
 Data File : BE091062.D
 Acq On : 5 Nov 2015 9:49
 Operator : UM/NP
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.485

Quant Time: Nov 06 05:39:11 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 Oct 28 03:57:22 2015
 Response via : Initial Calibration

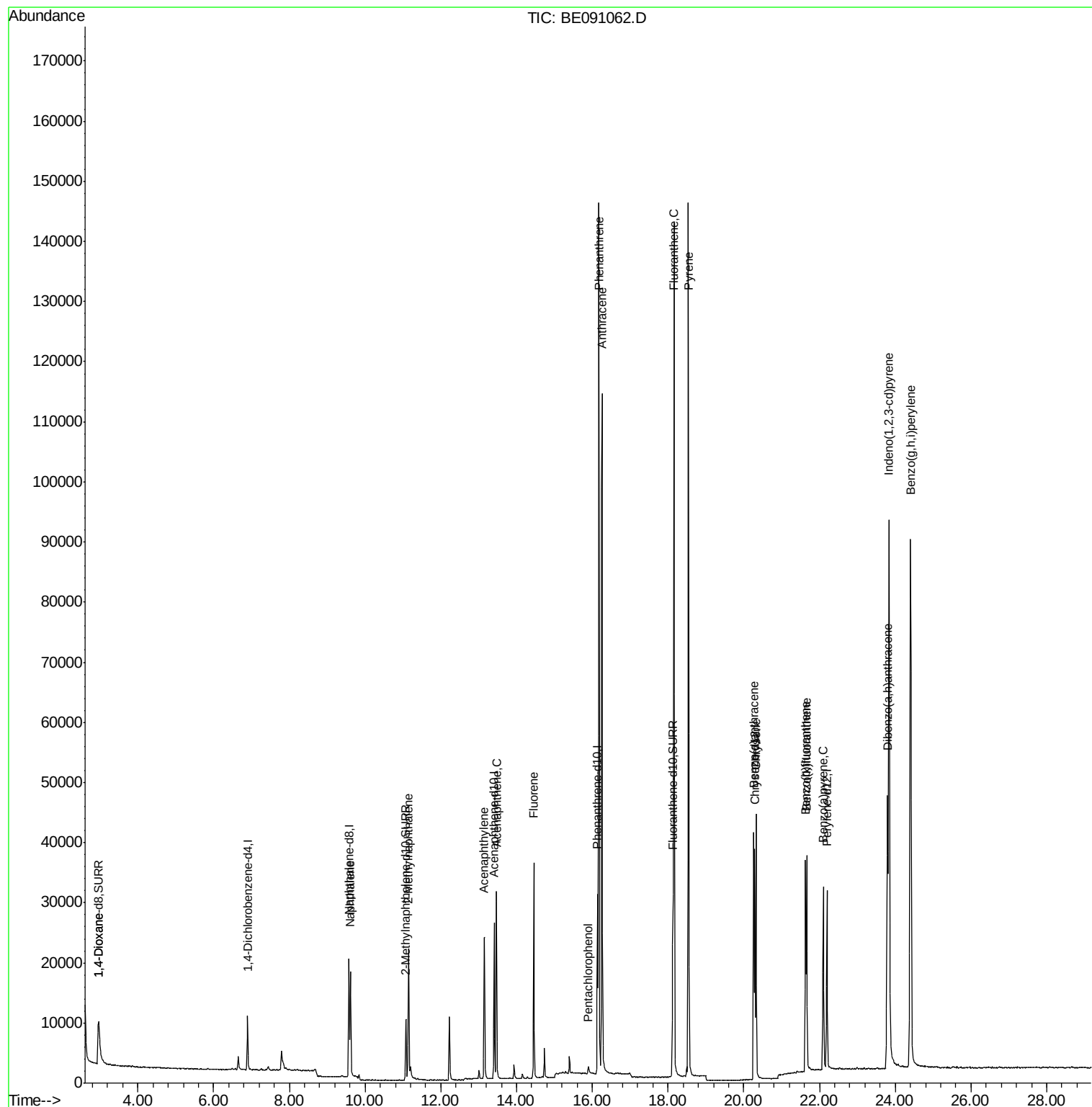
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	4505	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	24904	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	14063	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	32238	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	33083	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	31448	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.95	96	5628	1.74	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	13453	0.40	ng/ul	-0.01
16) Fluoranthene-d10	18.13	212	32251	0.36	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	2.97	88	6443	1.76	ng/ul#	69
5) Naphthalene	9.62	128	22980	0.37	ng/ul	99
7) 2-Methylnaphthalene	11.15	142	15702	0.39	ng/ul	89
9) Acenaphthylene	13.14	152	26952	0.38	ng/ul	98
10) Acenaphthene	13.47	153	18052	0.38	ng/ul	90
11) Fluorene	14.45	166	21555	0.35	ng/ul	89
13) Pentachlorophenol	15.89	266	1260	0.41	ng/ul	96
14) Phenanthrene	16.17	178	141780	0.38	ng/ul	98
15) Anthracene	16.26	178	138499	0.41	ng/ul	96
17) Fluoranthene	18.15	202	153433	0.35	ng/ul	89
19) Pyrene	18.54	202	151814	0.40	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	34434	0.41	ng/ul	98
21) Chrysene	20.32	228	36381	0.37	ng/ul	96
23) Benzo(b)fluoranthene	21.63	252	36172	0.37	ng/ul	95
24) Benzo(k)fluoranthene	21.66	252	34565	0.34	ng/ul	96
25) Benzo(a)pyrene	22.09	252	34858	0.39	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.83	276	138159	0.36	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.79	278	34093	0.38	ng/ul#	71
28) Benzo(g,h,i)perylene	24.40	276	143890	0.36	ng/ul	93

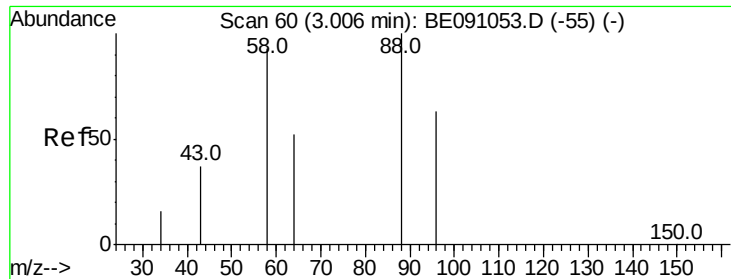
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\Data\Be110515\
Data File : BE091062.D
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Quant Time: Nov 06 05:39:11 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#3

1,4-Dioxane

Concen: 1.76 ng/ul

RT: 2.97 min Scan# 55

Delta R.T. -0.03 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.485

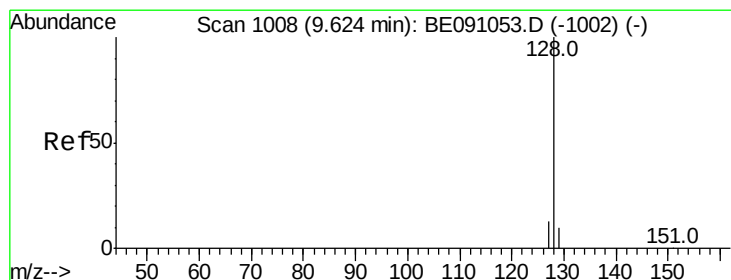
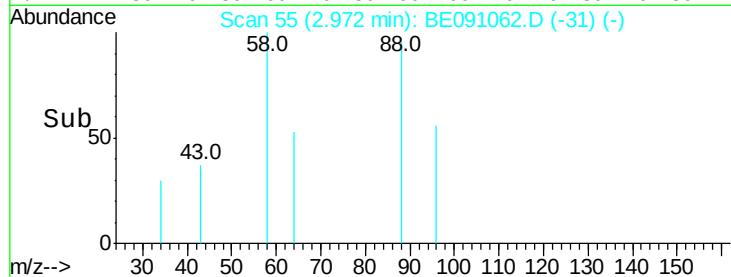
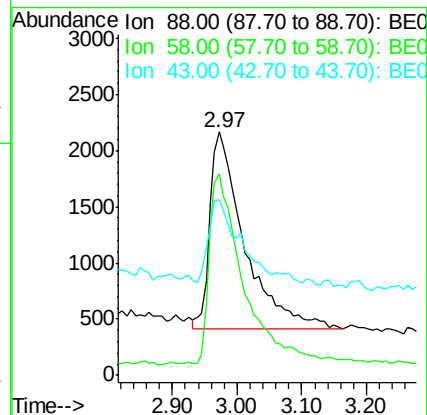
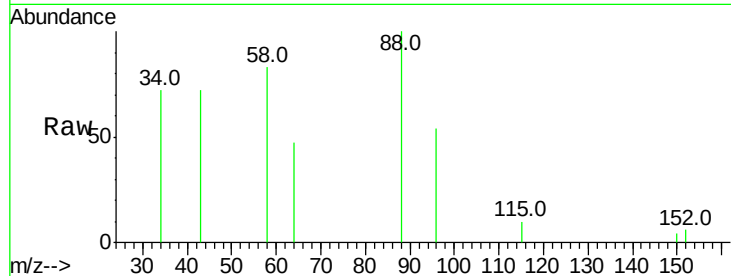
Tot Ion: 88 Resp: 6443

Ion Ratio Lower Upper

88 100

58 97.4 55.4 83.2#

43 42.1 24.2 36.2#



#5

Naphthalene

Concen: 0.37 ng/ul

RT: 9.62 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

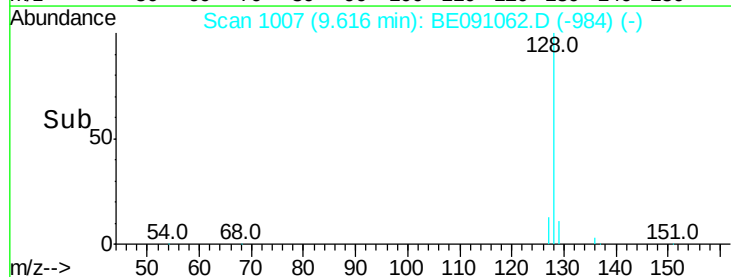
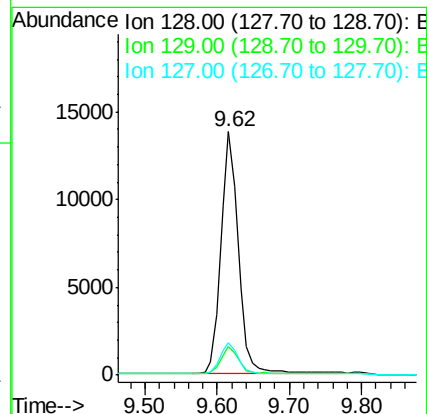
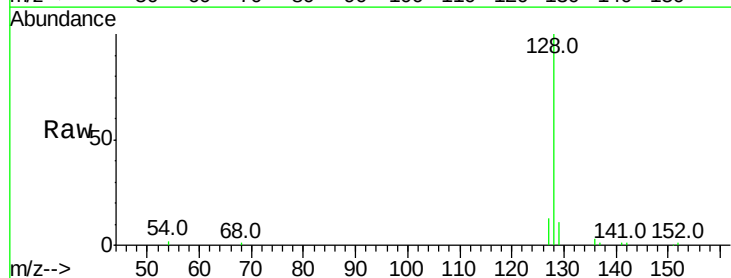
Tgt Ion: 128 Resp: 22980

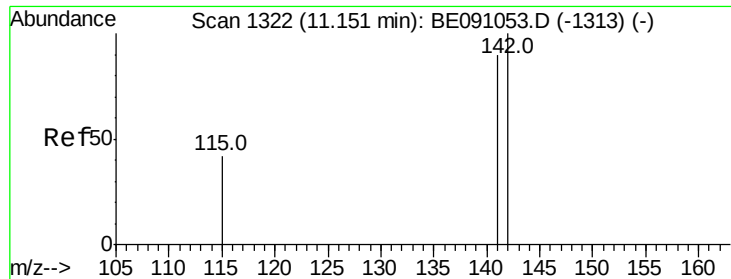
Ion Ratio Lower Upper

128 100

129 11.5 9.8 14.8

127 13.4 10.7 16.1





#7

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 11.15 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

Instrument :

BNA_E

ClientSampleId :

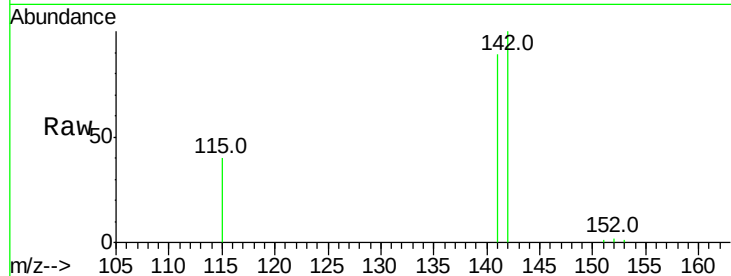
SSTD0.485

Tot Ion:142 Resp: 15702

Ion Ratio Lower Upper

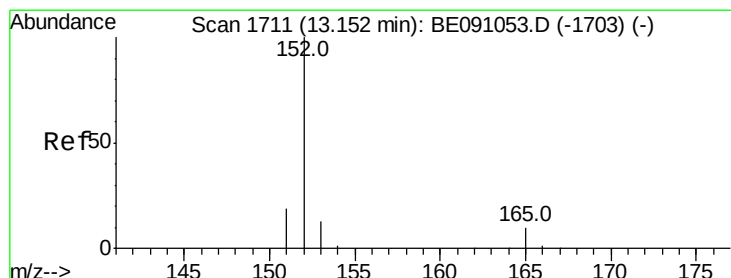
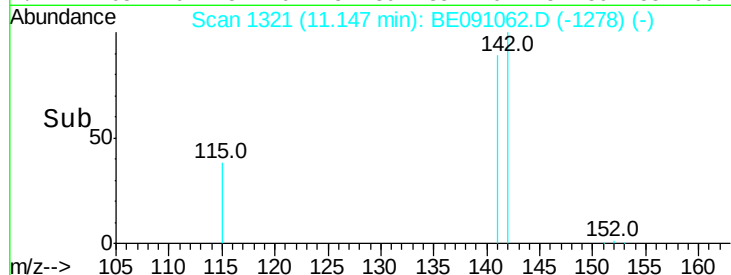
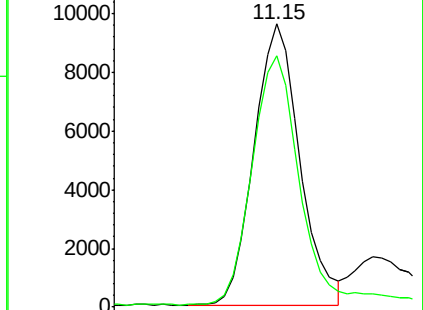
142 100

141 97.9 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: 0.38 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. -0.01 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

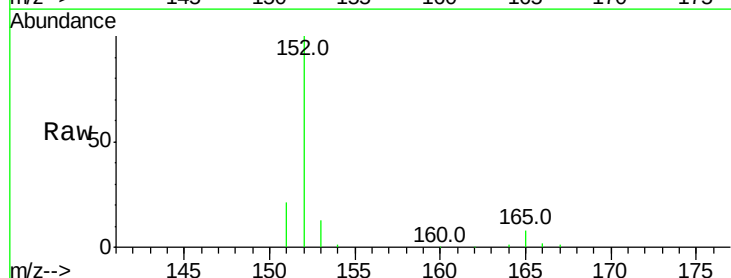
Tgt Ion:152 Resp: 26952

Ion Ratio Lower Upper

152 100

151 20.7 16.8 25.2

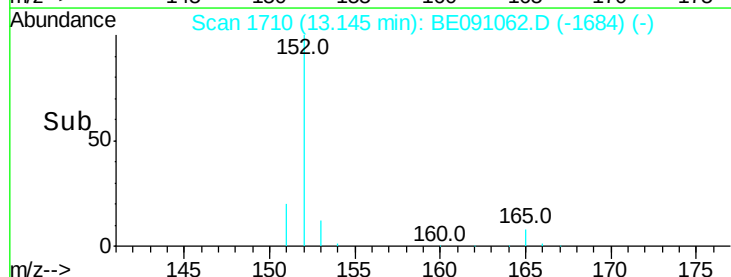
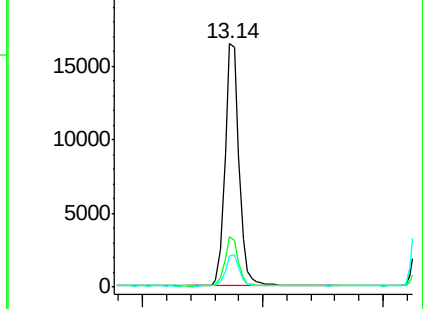
153 12.7 11.3 16.9

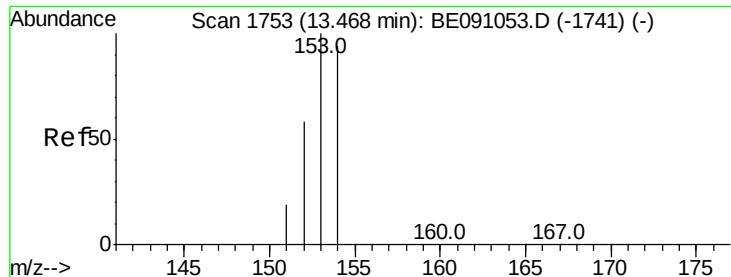


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.38 ng/ul

RT: 13.47 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.485

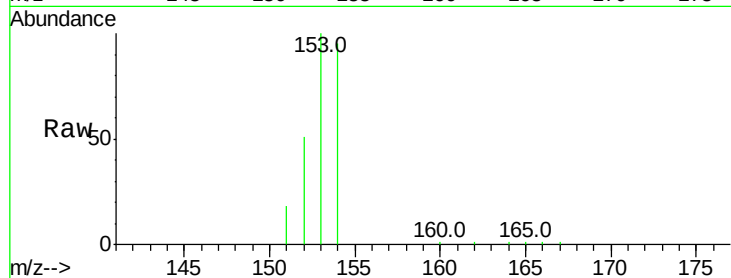
Tot Ion:153 Resp: 18052

Ion Ratio Lower Upper

153 100

152 51.0 42.3 63.5

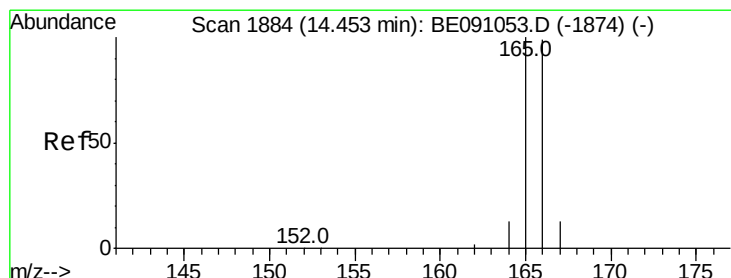
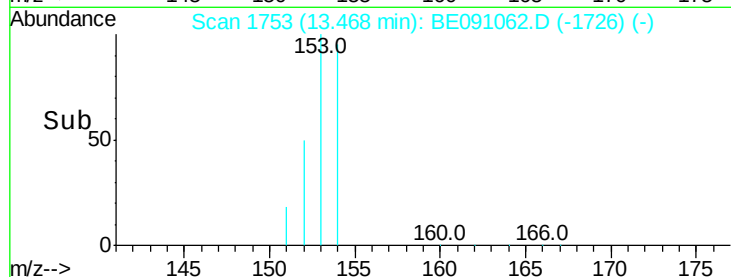
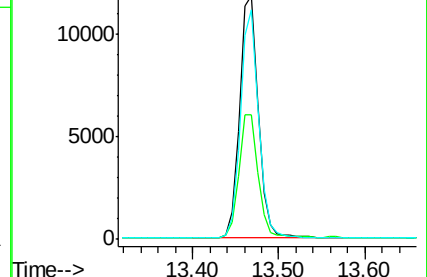
154 94.5 64.7 97.1



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



#11

Fluorene

Concen: 0.35 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

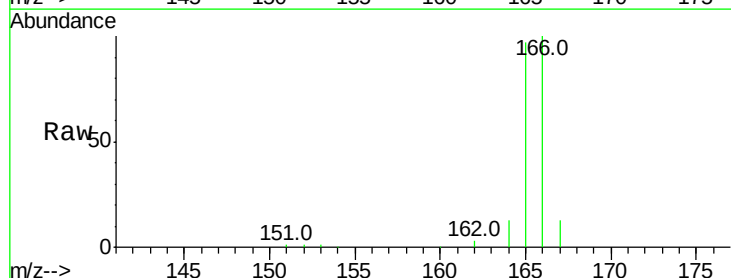
Tgt Ion:166 Resp: 21555

Ion Ratio Lower Upper

166 100

165 96.9 87.6 131.4

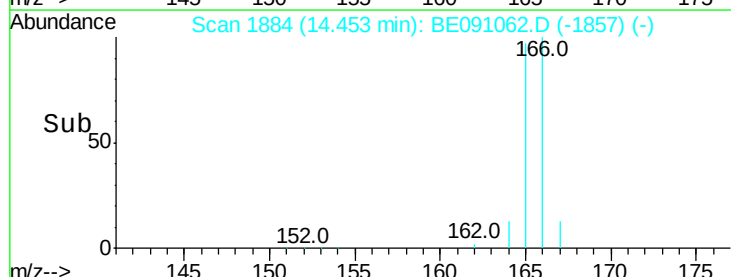
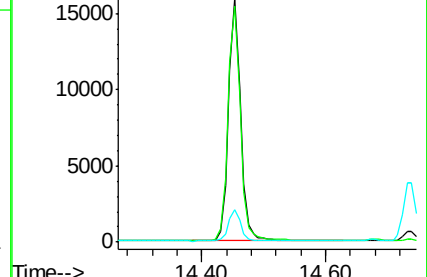
167 13.4 11.1 16.7

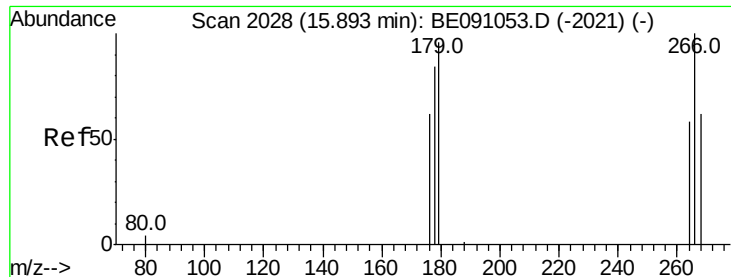


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

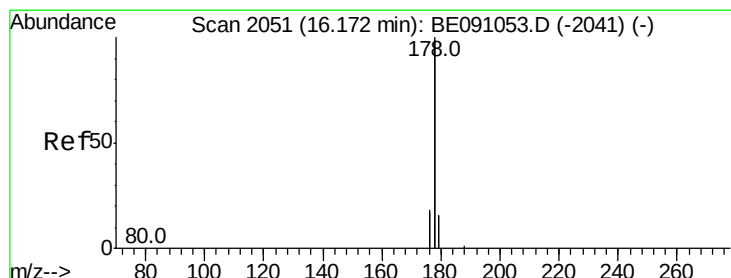
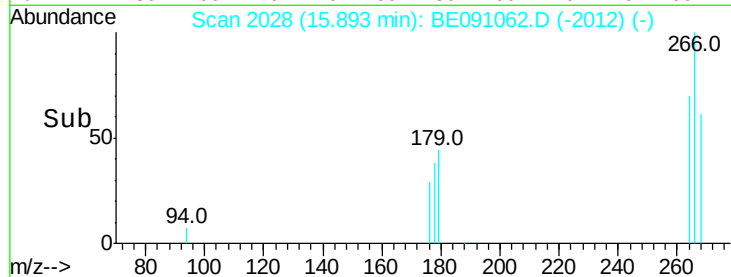
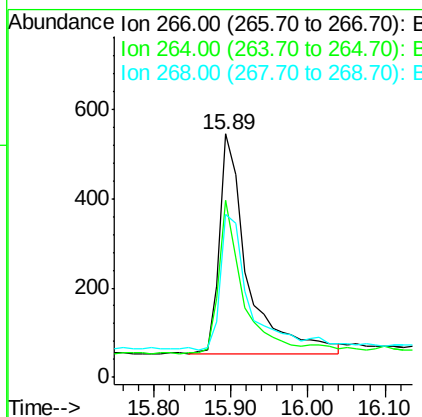
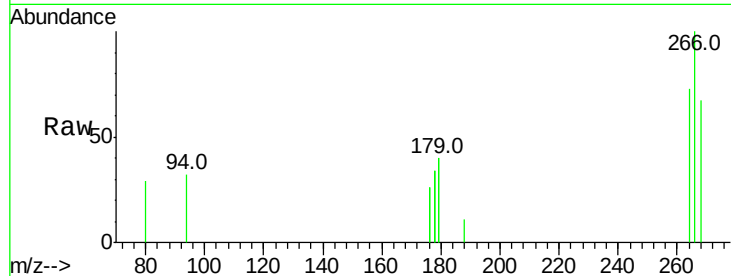




#13
 Pentachlorophenol
 Concen: 0.41 ng/ul
 RT: 15.89 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BE091062.D
 Acq: 5 Nov 2015 9:49

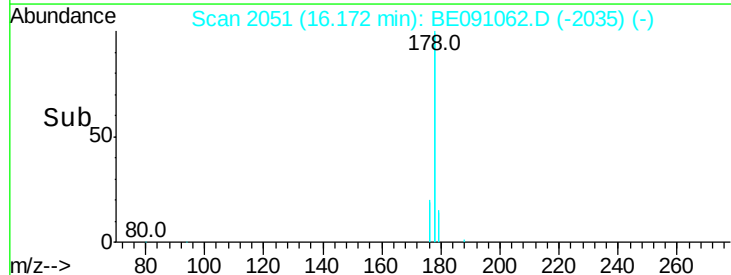
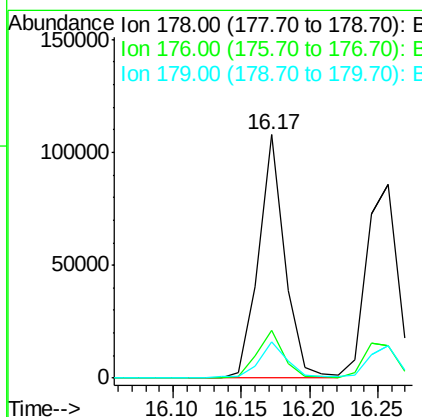
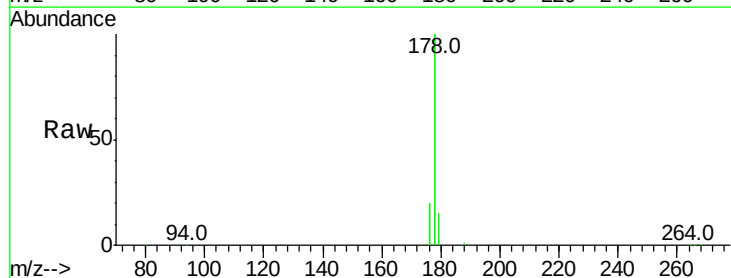
Instrument :
 BNA_E
 ClientSampleId :
 SST0.485

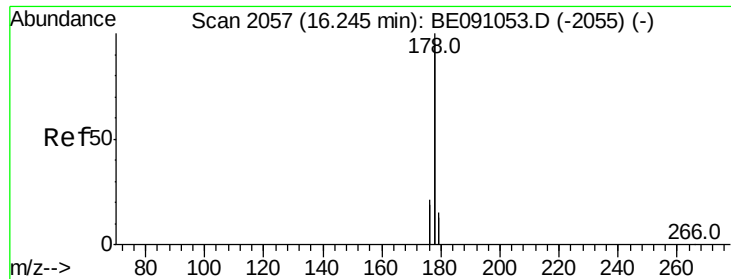
Tot Ion:266 Resp: 1260
 Ion Ratio Lower Upper
 266 100
 264 62.2 53.5 80.3
 268 65.2 54.2 81.2



#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 16.17 min Scan# 2051
 Delta R.T. 0.00 min
 Lab File: BE091062.D
 Acq: 5 Nov 2015 9:49

Tgt Ion:178 Resp: 141780
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.2 24.4
 179 15.1 12.8 19.2





#15

Anthracene

Concen: 0.41 ng/ul

RT: 16.26 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.485

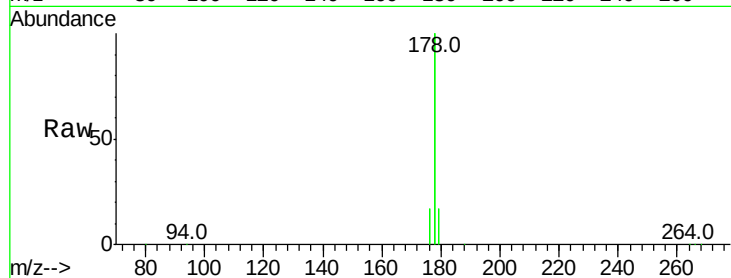
Tot Ion:178 Resp: 138499

Ion Ratio Lower Upper

178 100

176 16.7 15.8 23.8

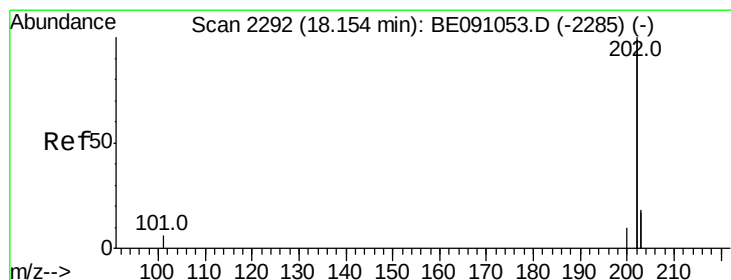
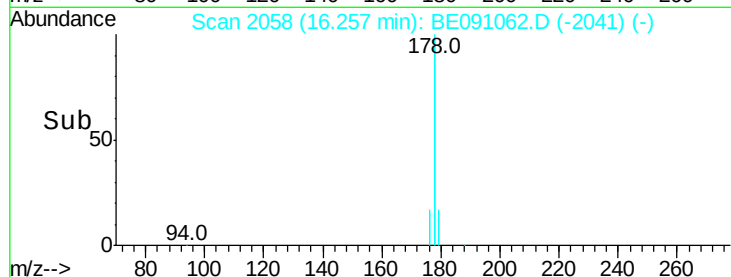
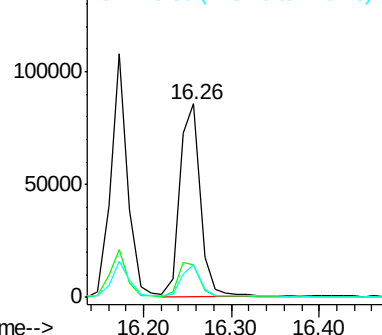
179 16.6 13.3 19.9



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: 0.35 ng/ul

RT: 18.15 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

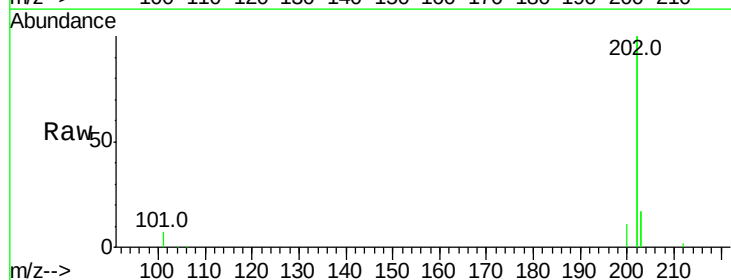
Tgt Ion:202 Resp: 153433

Ion Ratio Lower Upper

202 100

101 3.7 0.0 33.1

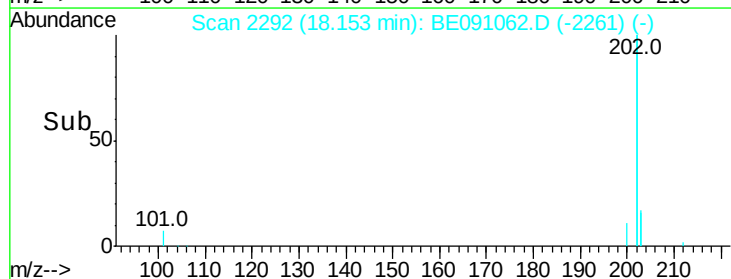
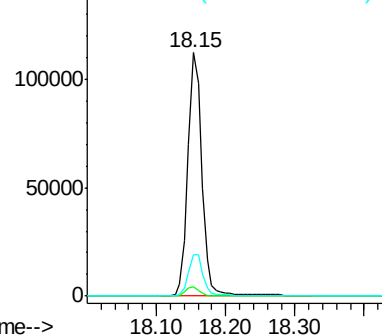
203 16.9 0.0 37.2

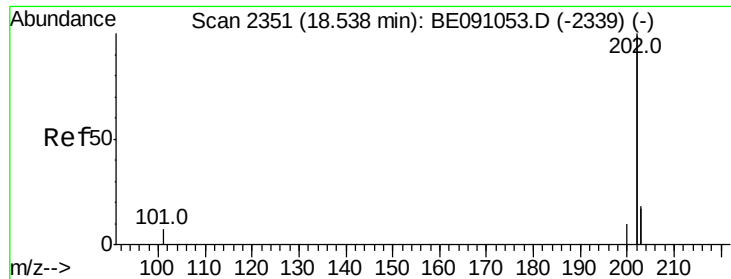


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.40 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.485

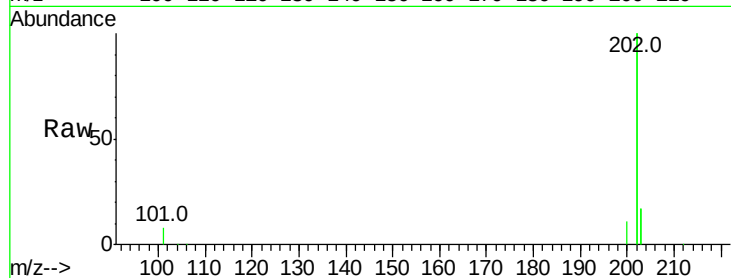
Tot Ion:202 Resp: 151814

Ion Ratio Lower Upper

202 100

200 5.3 18.0 27.0#

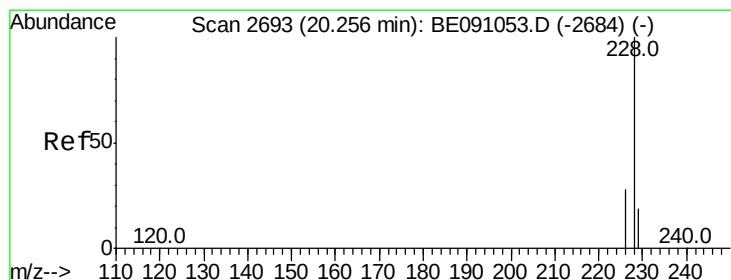
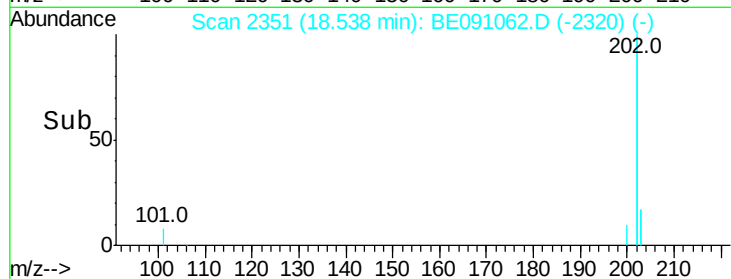
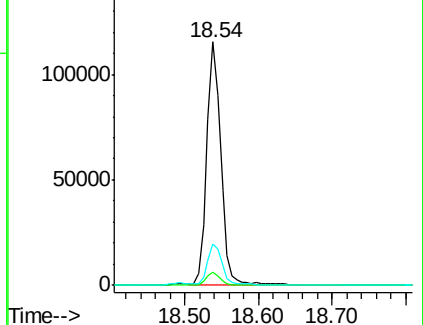
203 17.2 13.8 20.6



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



#20

Benzo(a)anthracene

Concen: 0.41 ng/ul

RT: 20.26 min Scan# 2695

Delta R.T. 0.01 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

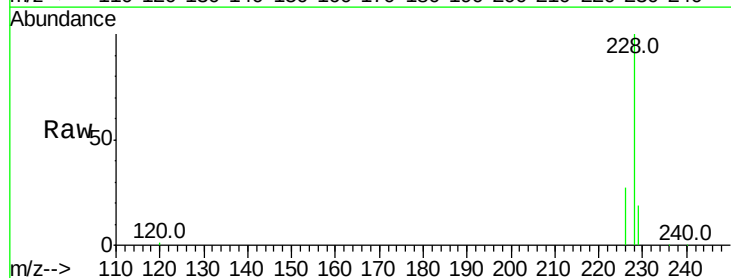
Tgt Ion:228 Resp: 34434

Ion Ratio Lower Upper

228 100

226 27.4 23.0 34.4

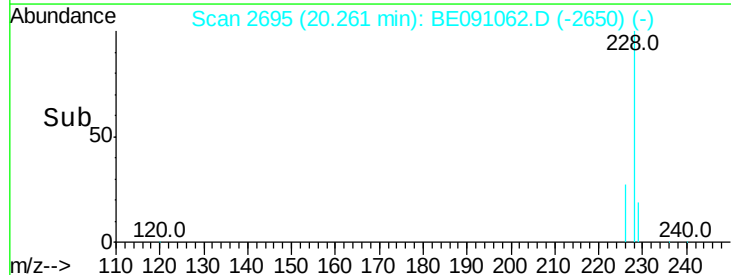
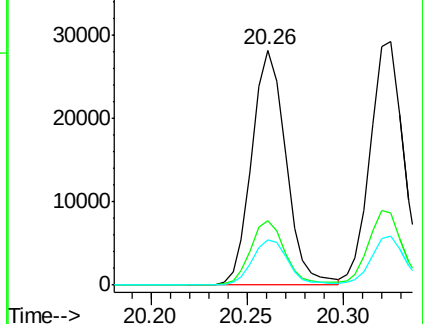
229 19.4 15.2 22.8

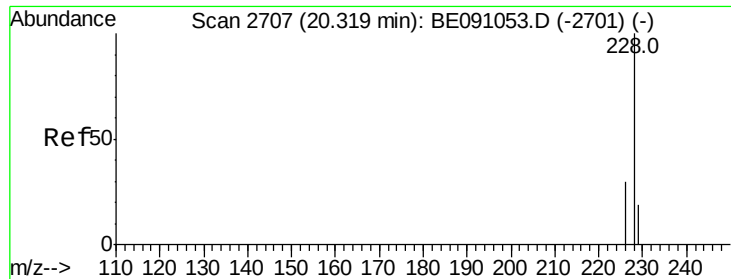


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.37 ng/ul

RT: 20.32 min Scan# 2709

Delta R.T. 0.01 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.485

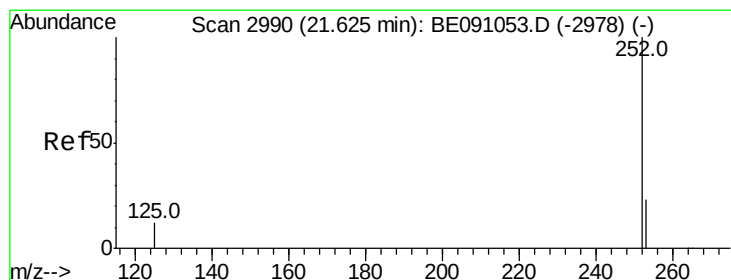
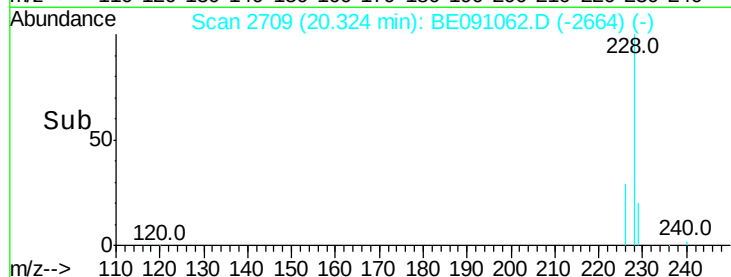
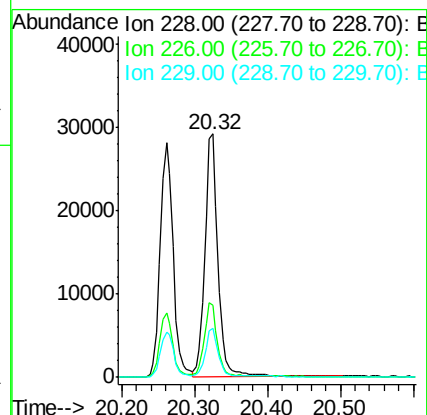
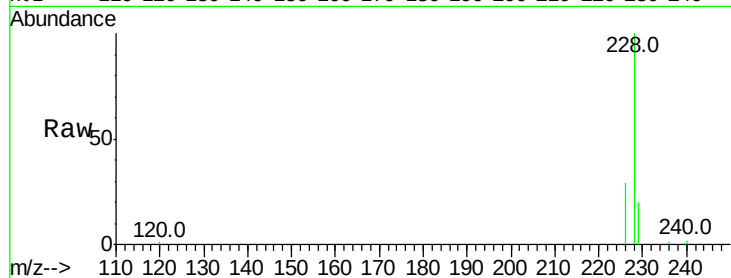
Tot Ion:228 Resp: 36381

Ion Ratio Lower Upper

228 100

226 29.5 25.7 38.5

229 20.1 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.37 ng/ul

RT: 21.63 min Scan# 2991

Delta R.T. 0.00 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

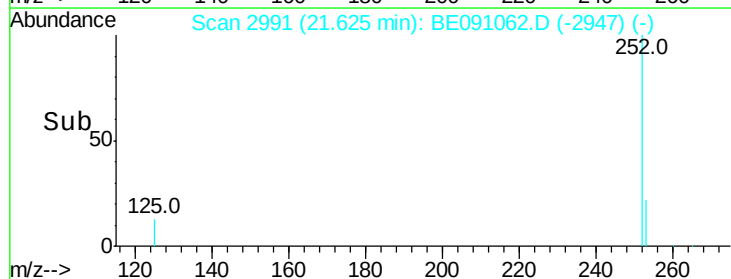
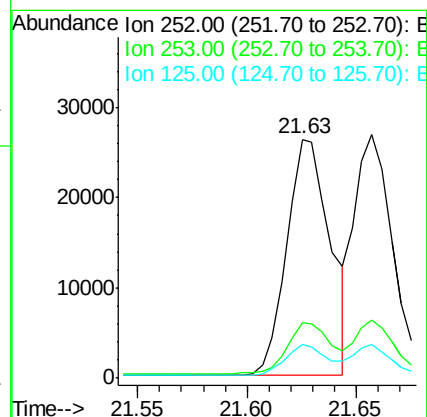
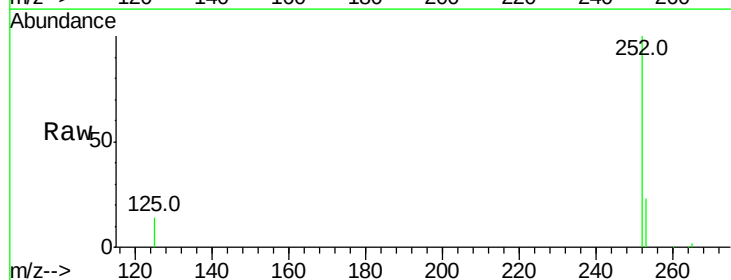
Tgt Ion:252 Resp: 36172

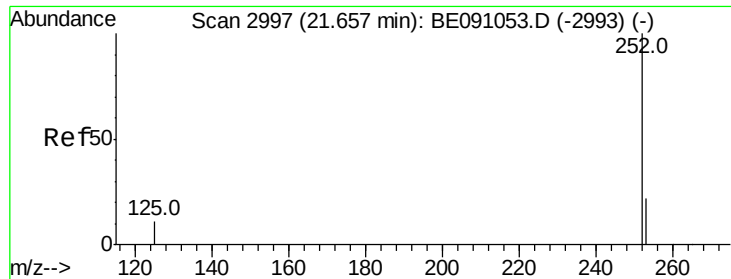
Ion Ratio Lower Upper

252 100

253 23.4 0.0 48.0

125 14.3 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.34 ng/ul

RT: 21.66 min Scan# 2998

Delta R.T. 0.00 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.485

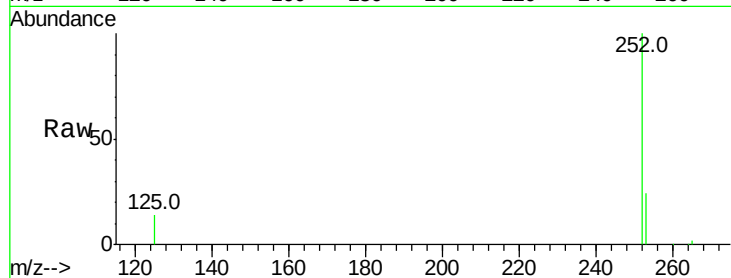
Tot Ion:252 Resp: 34565

Ion Ratio Lower Upper

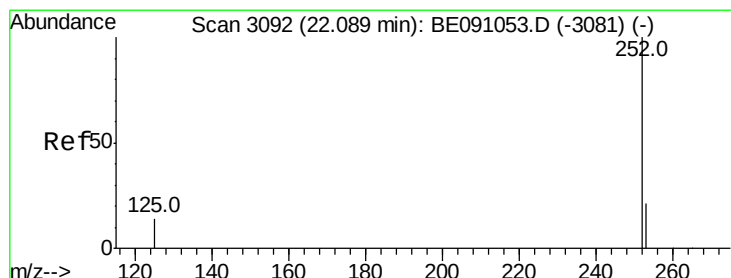
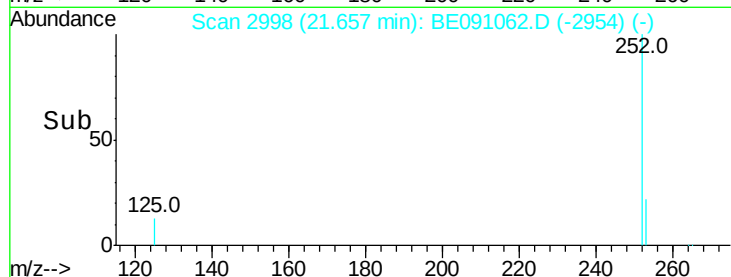
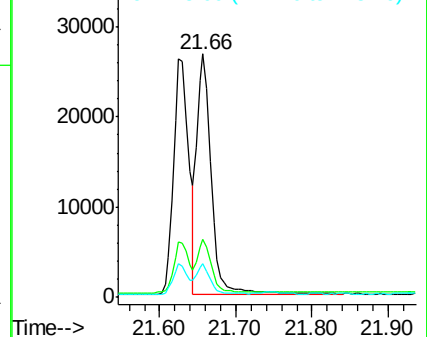
252 100

253 23.8 20.8 31.2

125 13.8 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: 0.39 ng/ul

RT: 22.09 min Scan# 3094

Delta R.T. 0.01 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

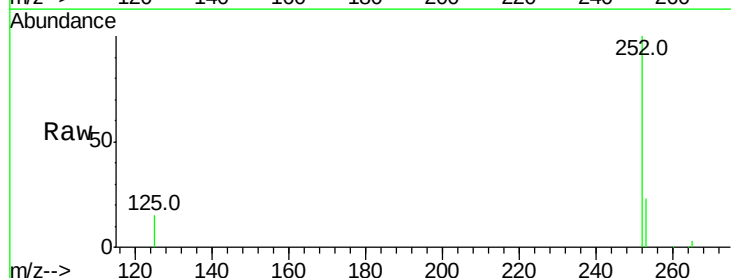
Tgt Ion:252 Resp: 34858

Ion Ratio Lower Upper

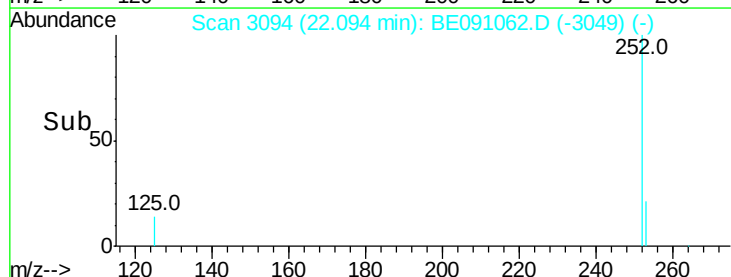
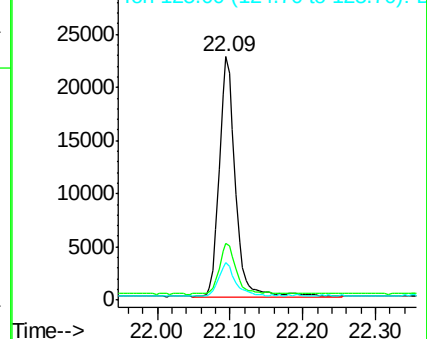
252 100

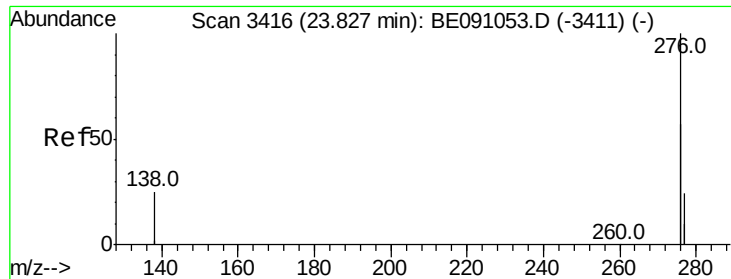
253 23.3 21.8 32.8

125 15.4 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

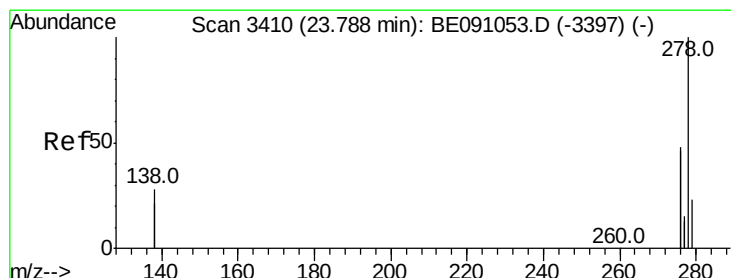
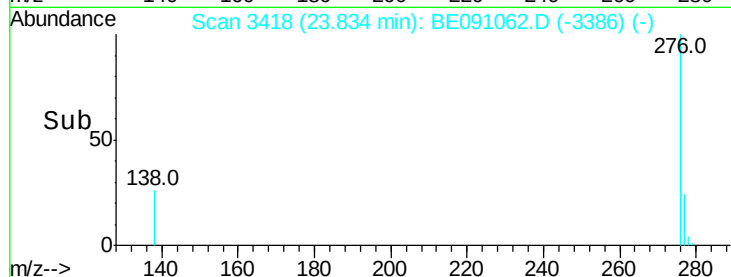
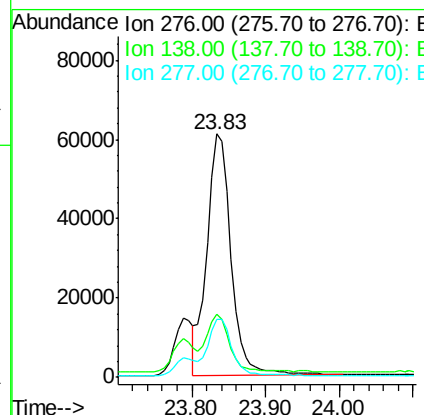
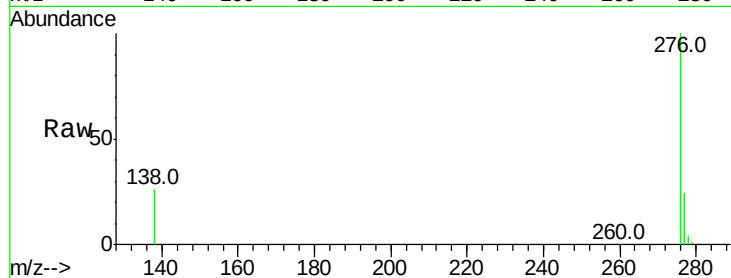




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.36 ng/ul
 RT: 23.83 min Scan# 3418
 Delta R.T. 0.01 min
 Lab File: BE091062.D
 Acq: 5 Nov 2015 9:49

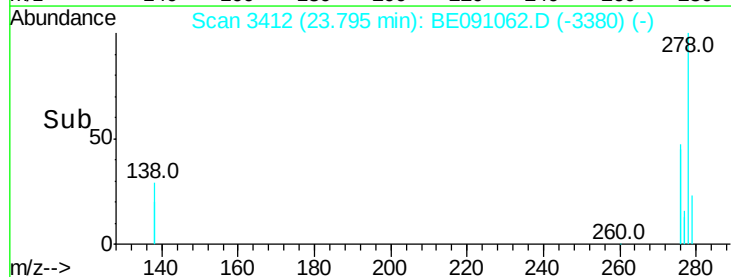
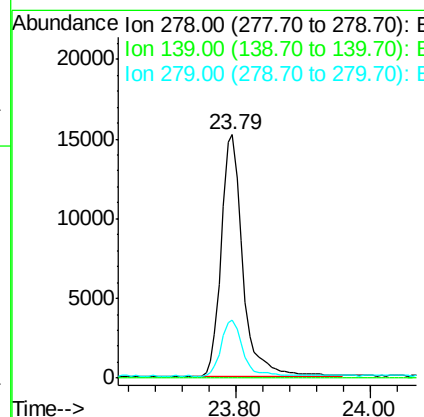
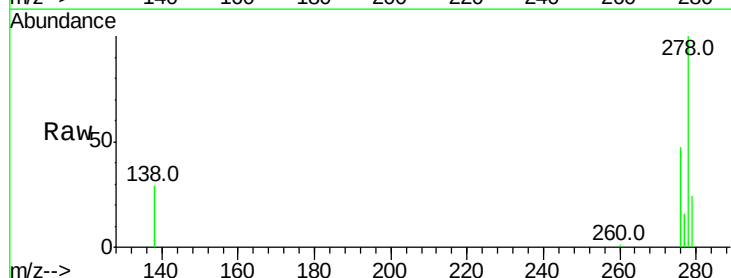
Instrument :
 BNA_E
 ClientSampleId :
 SST0.485

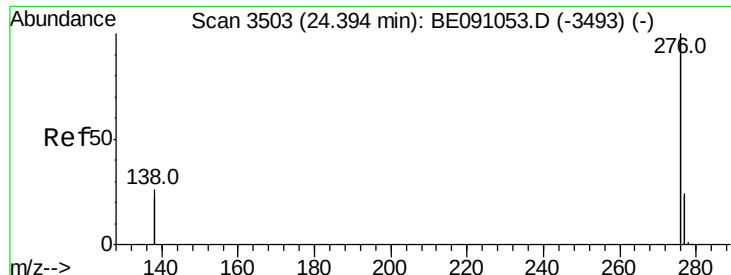
Tot Ion:276 Resp: 138159
 Ion Ratio Lower Upper
 276 100
 138 23.3 27.5 41.3#
 277 23.1 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.38 ng/ul
 RT: 23.79 min Scan# 3412
 Delta R.T. 0.01 min
 Lab File: BE091062.D
 Acq: 5 Nov 2015 9:49

Tgt Ion:278 Resp: 34093
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 24.1 21.9 32.9





#28

Benzo(a,h,i)perylene

Concen: 0.36 ng/ul

RT: 24.40 min Scan# 3505

Delta R.T. 0.01 min

Lab File: BE091062.D

Acq: 5 Nov 2015 9:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.485

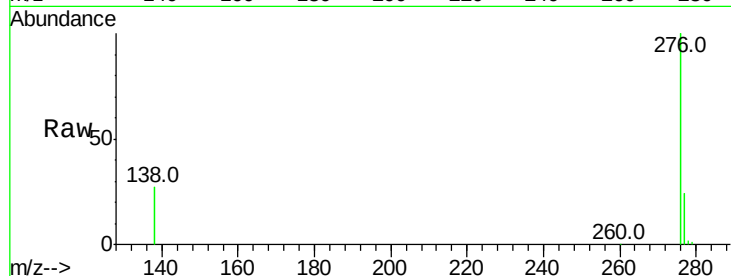
Tot Ion:276 Resp: 143890

Ion Ratio Lower Upper

276 100

277 23.9 21.3 31.9

138 27.3 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

