

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040417\
 Data File : BE092884.D
 Acq On : 4 Apr 2017 14:44
 Operator : SJ/MA
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Quant Time: Apr 04 16:36:42 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE040417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 04 13:37:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	8397	5.00	ng	0.00
7) Naphthalene-d8	10.54	136	37475	5.00	ng	0.00
12) Acenaphthene-d10	14.38	164	19576	5.00	ng	0.00
18) Phenanthrene-d10	17.13	188	44832	5.00	ng	0.00
24) Chrysene-d12	21.28	240	54604	5.00	ng	0.00
31) Perylene-d12	23.70	264	43630	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	8666	4.43	ng	0.00
5) Phenol-d6	6.94	99	12893	4.49	ng	0.00
8) Nitrobenzene-d5	8.90	82	11718	5.45	ng	0.00
13) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng	
14) 2-Fluorobiphenyl	13.02	172	30753	4.77	ng	0.00
26) Terphenyl-d14	19.74	244	42043	4.45	ng	0.00

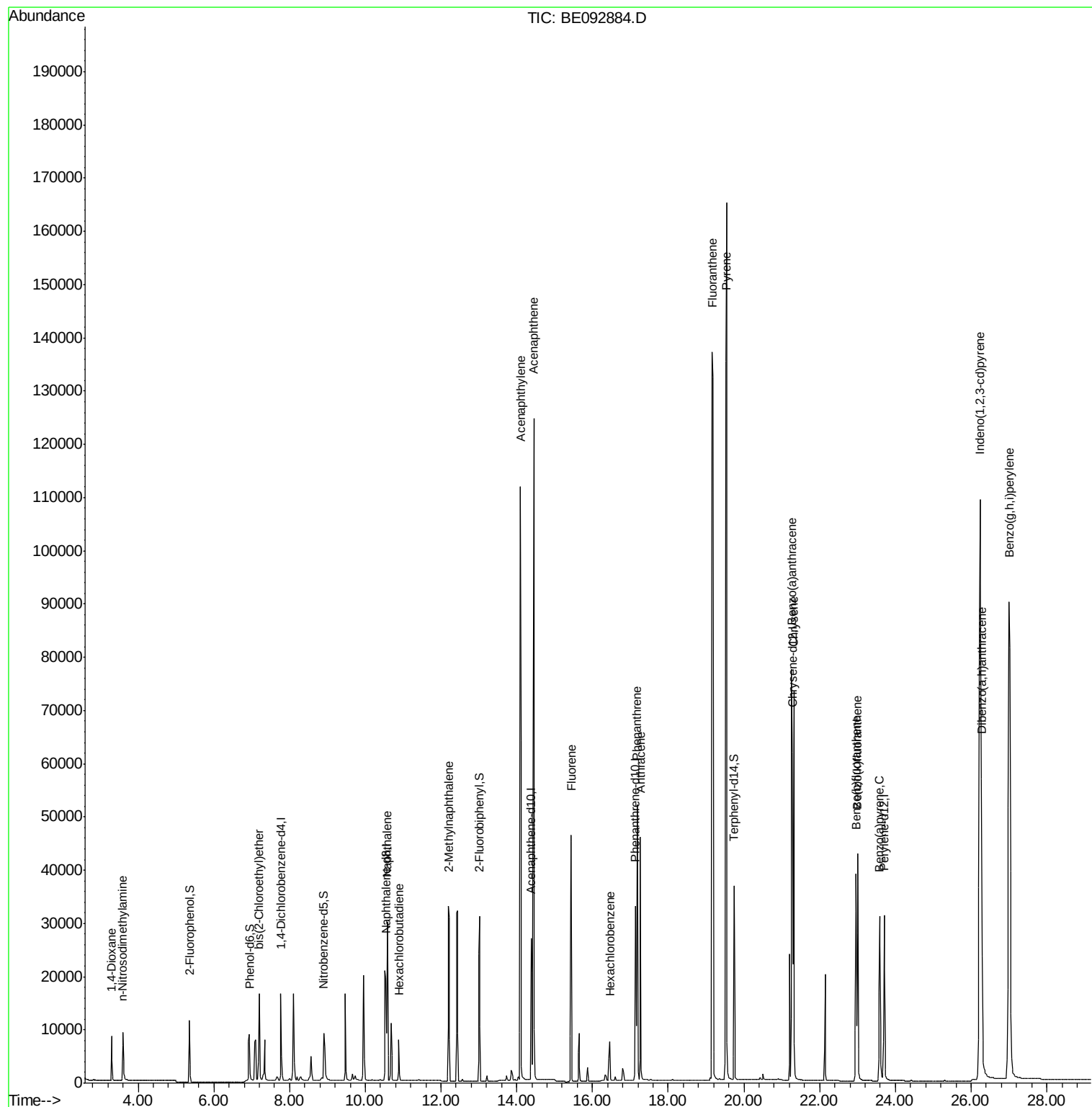
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	5017	4.47	ng	96
3) n-Nitrosodimethylamine	3.59	42	5807	5.01	ng	83
6) bis(2-Chloroethyl)ether	7.20	93	13450	4.93	ng	# 50
9) Naphthalene	10.58	128	39789	4.85	ng	94
10) Hexachlorobutadiene	10.89	225	5355	4.87	ng	100
11) 2-Methylnaphthalene	12.21	142	25450	4.89	ng	# 85
15) Acenaphthylene	14.09	152	163816	5.46	ng	100
16) Acenaphthene	14.45	154	27023	5.05	ng	100
17) Fluorene	15.44	166	31480	4.94	ng	99
19) Hexachlorobenzene	16.46	284	8363	5.03	ng	# 64
21) Phenanthrene	17.18	178	57852	5.30	ng	# 94
22) Anthracene	17.27	178	53341	5.38	ng	98
23) Fluoranthene	19.16	202	227715	4.54	ng	98
25) Pyrene	19.54	202	251815	4.64	ng	99
27) Benzo(a)anthracene	21.26	228	62050m	4.80	ng	
28) Chrysene	21.31	228	64821m	4.75	ng	
30) Indeno(1,2,3-cd)pyrene	26.24	276	231559	4.51	ng	# 93
32) Benzo(b)fluoranthene	22.96	252	56454	4.86	ng	98
33) Benzo(k)fluoranthene	23.01	252	53664	5.16	ng	95
34) Benzo(a)pyrene	23.59	252	49289	5.13	ng	96
35) Dibenzo(a,h)anthracene	26.27	278	51307	5.03	ng	95
36) Benzo(g,h,i)perylene	27.00	276	203649	4.81	ng	94

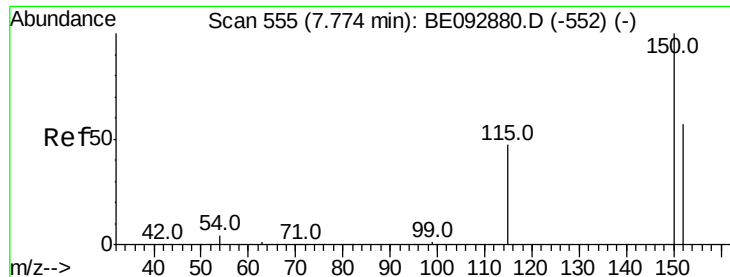
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.77 min Scan# 555

Delta R.T. -0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

Instrument :

BNA_E

ClientSampleId :

SSTDICC005

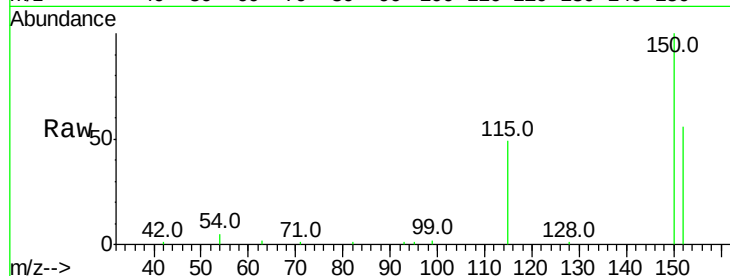
Tot Ion:152 Resp: 8397

Ion Ratio Lower Upper

152 100

150 178.8 106.0 159.0#

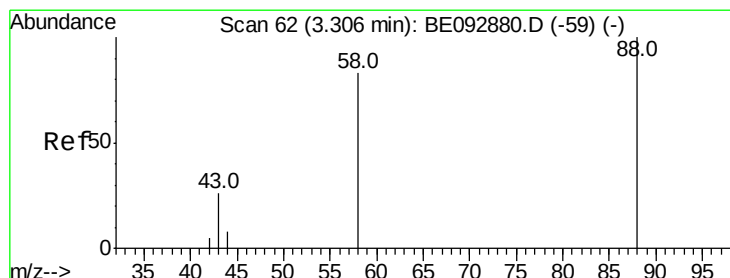
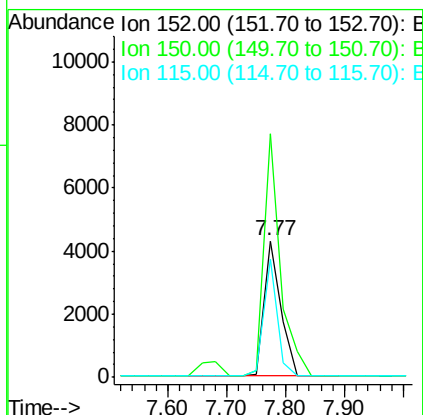
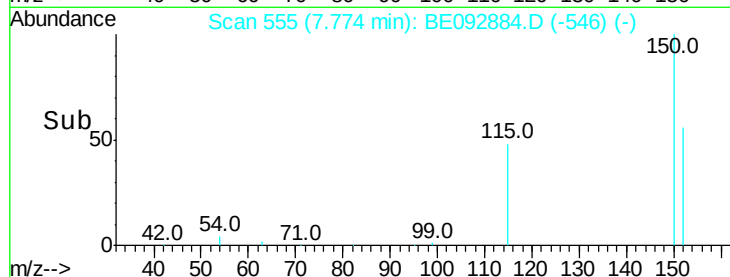
115 87.1 31.2 46.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 4.47 ng

RT: 3.30 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

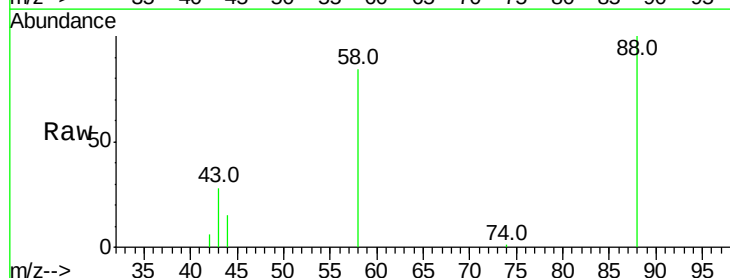
Tgt Ion: 88 Resp: 5017

Ion Ratio Lower Upper

88 100

58 78.3 63.6 95.4

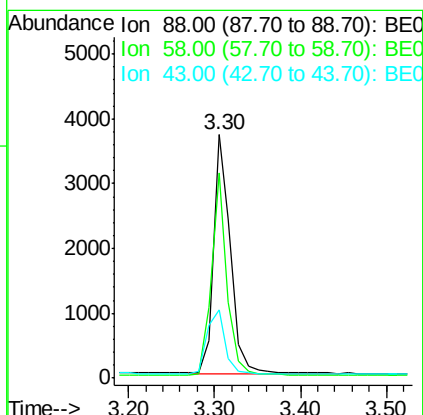
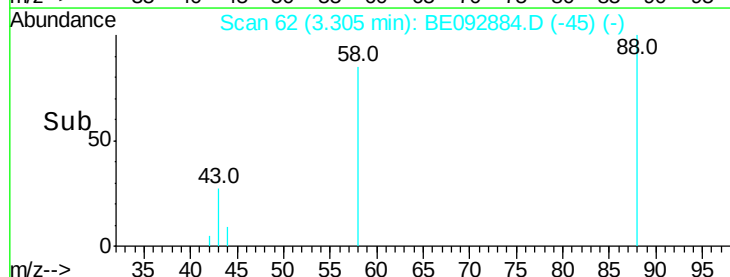
43 29.4 28.0 42.0

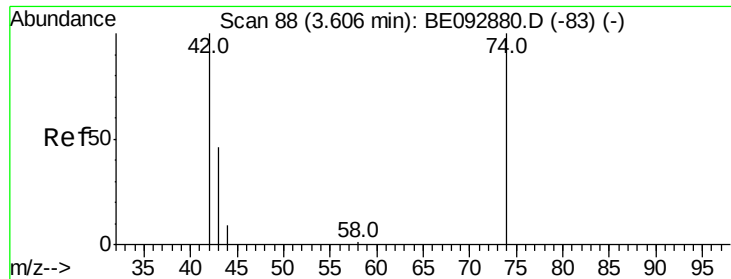


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



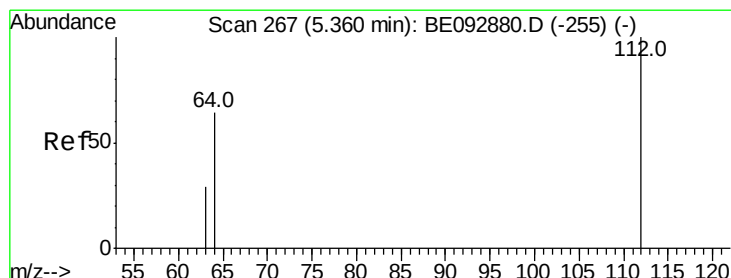
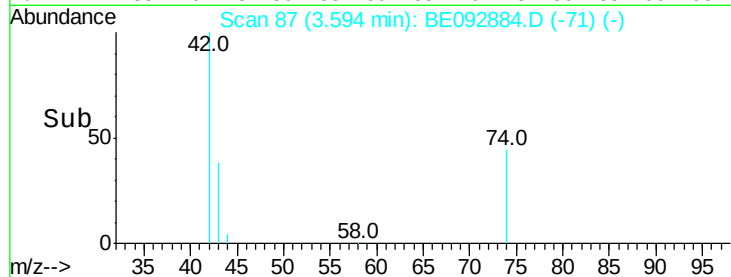
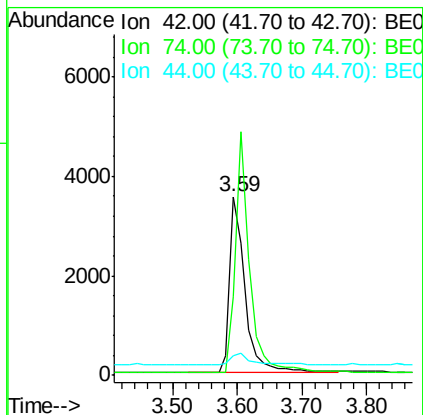
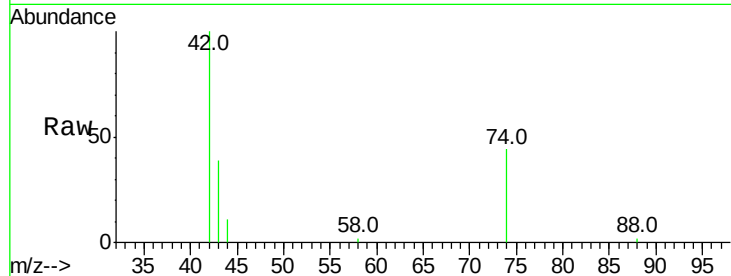


#3

n-Nitrosodimethylamine
Concen: 5.01 ng
RT: 3.59 min Scan# 87
Delta R.T. -0.01 min
Lab File: BE092884.D
Acq: 4 Apr 2017 14:44

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

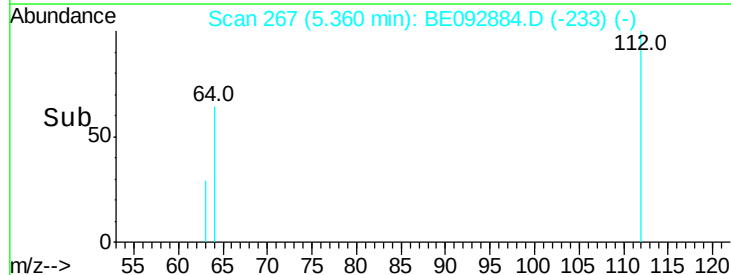
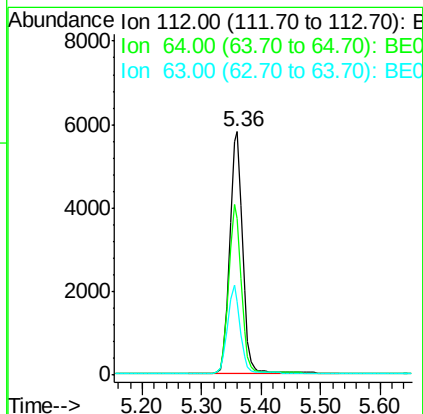
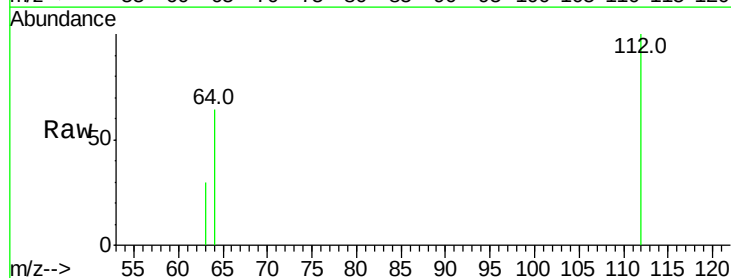
Tot Ion: 42 Resp: 5807
Ion Ratio Lower Upper
42 100
74 126.3 86.0 129.0
44 7.0 5.1 7.7

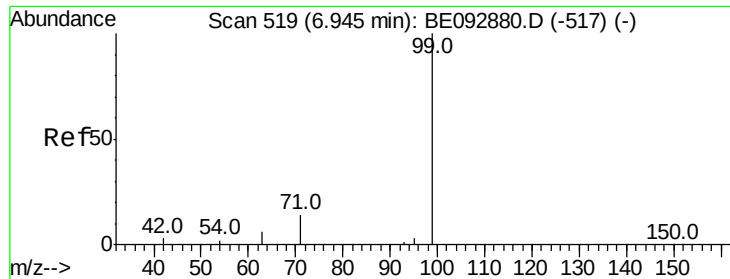


#4

2-Fluorophenol
Concen: 4.43 ng
RT: 5.36 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE092884.D
Acq: 4 Apr 2017 14:44

Tgt Ion: 112 Resp: 8666
Ion Ratio Lower Upper
112 100
64 68.9 53.5 80.3
63 35.6 27.9 41.9





#5

Phenol-d6

Concen: 4.49 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

Instrument :

BNA_E

ClientSampleId :

SSTDICC005

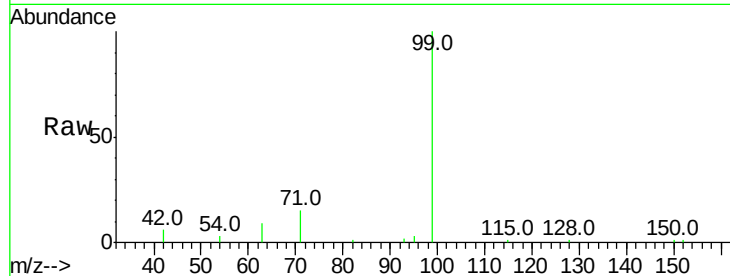
Tot Ion: 99 Resp: 12893

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

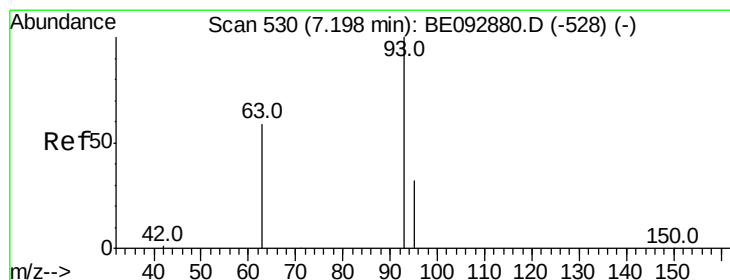
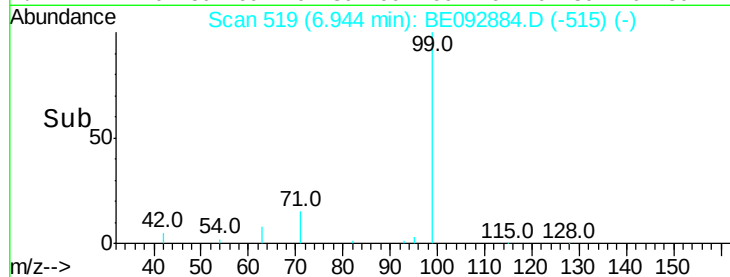
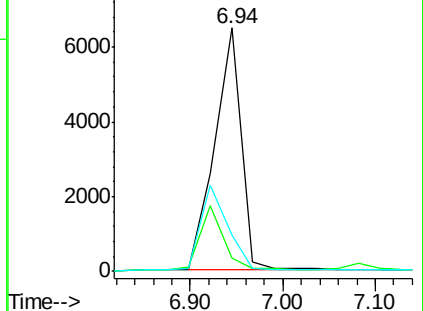
71 0.0 30.6 45.8#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 4.93 ng

RT: 7.20 min Scan# 530

Delta R.T. -0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

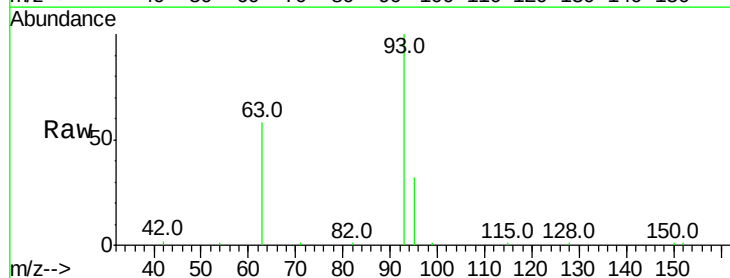
Tgt Ion: 93 Resp: 13450

Ion Ratio Lower Upper

93 100

63 75.3 16.0 24.0#

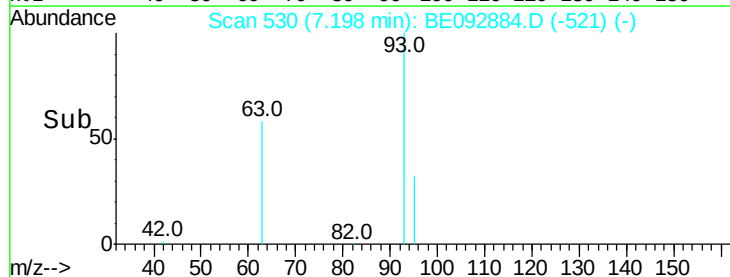
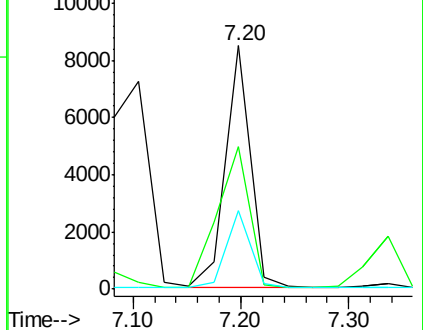
95 31.3 24.0 36.0

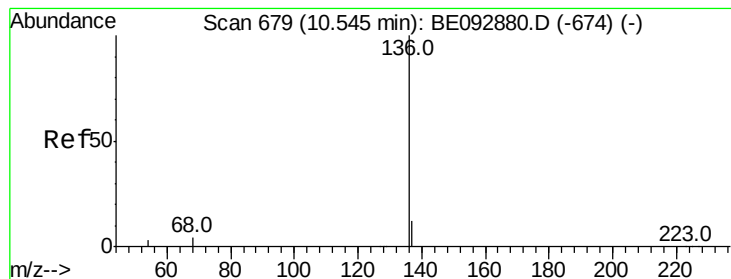


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.54 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

Tot Ion:136 Resp: 37475

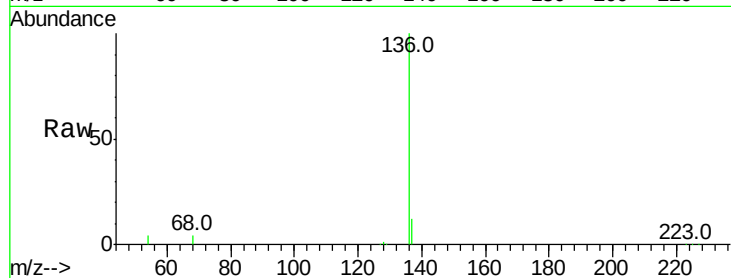
Ion Ratio Lower Upper

136 100

137 12.4 8.2 12.4#

54 3.7 9.6 14.4#

68 3.9 6.7 10.1#

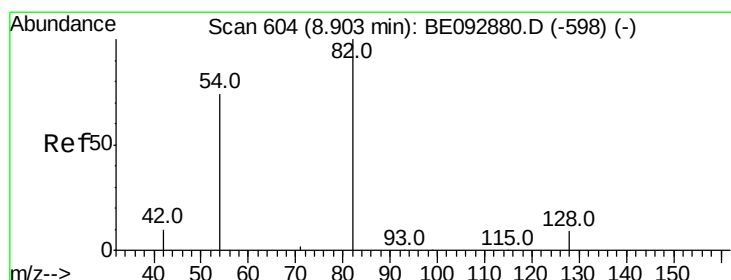
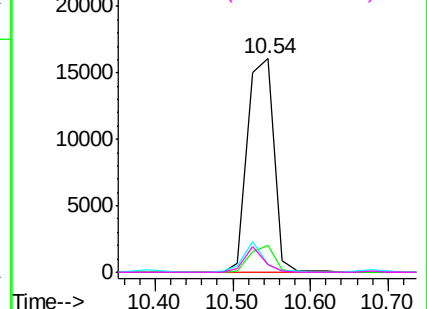
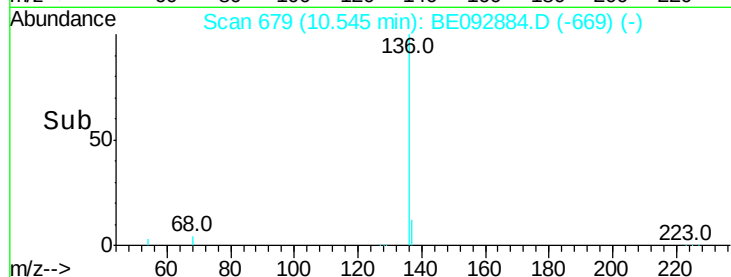


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 5.45 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

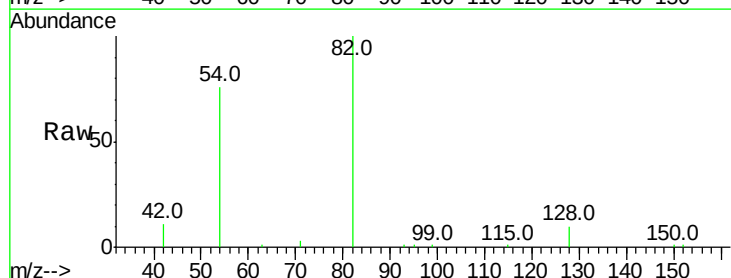
Tgt Ion: 82 Resp: 11718

Ion Ratio Lower Upper

82 100

128 9.9 39.0 58.4#

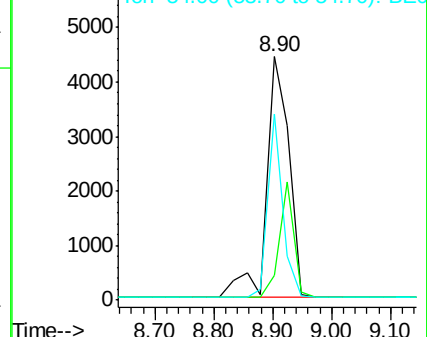
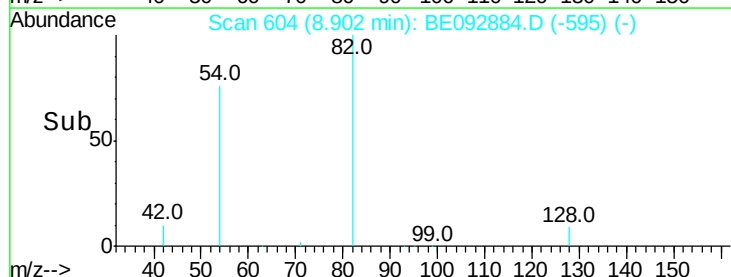
54 76.2 44.8 67.2#

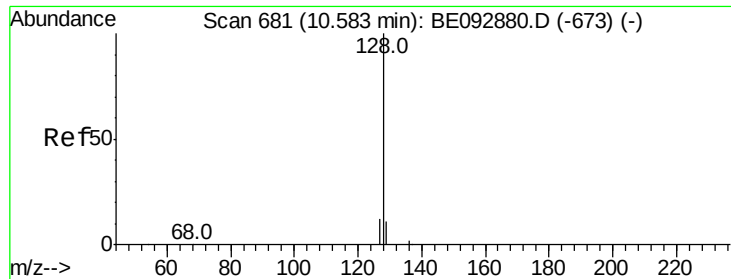


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 4.85 ng

RT: 10.58 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

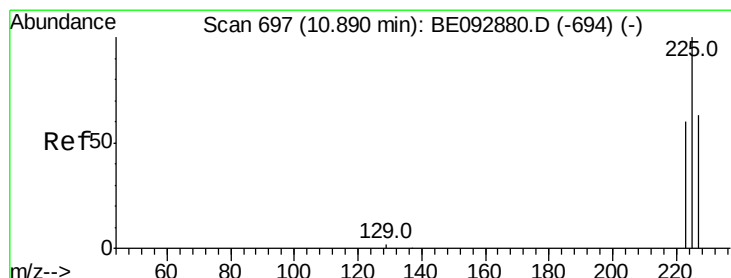
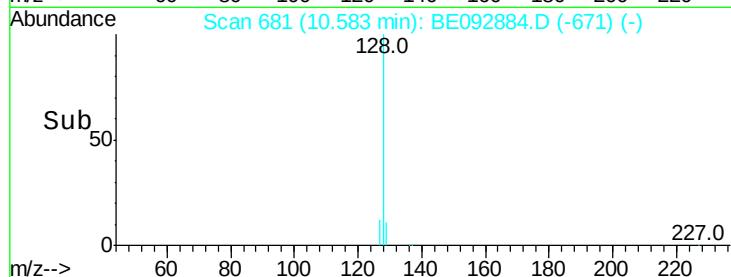
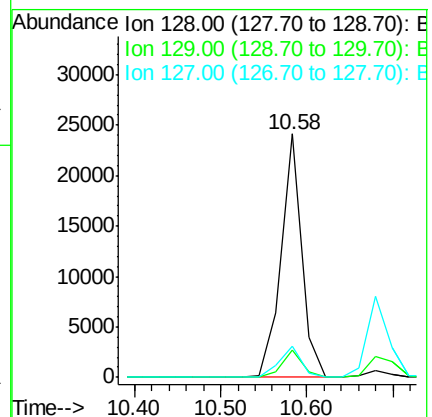
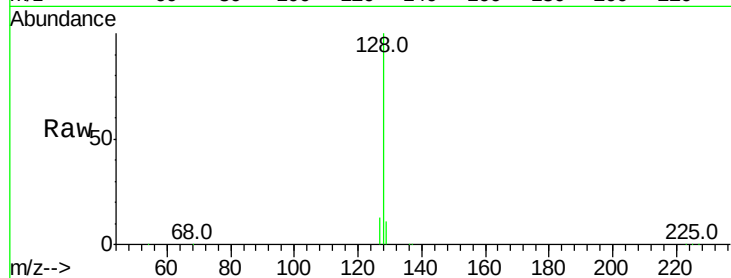
Tot Ion:128 Resp: 39789

Ion Ratio Lower Upper

128 100

129 11.3 11.2 16.8

127 12.7 11.6 17.4



#10

Hexachlorobutadiene

Concen: 4.87 ng

RT: 10.89 min Scan# 697

Delta R.T. 0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

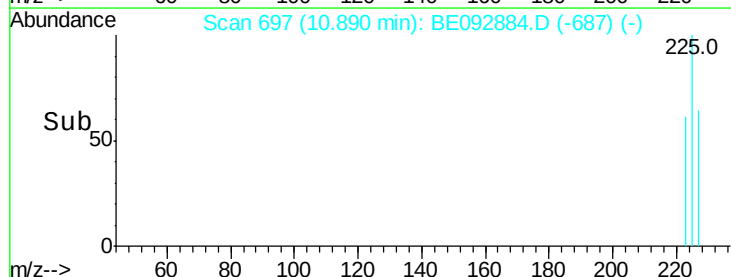
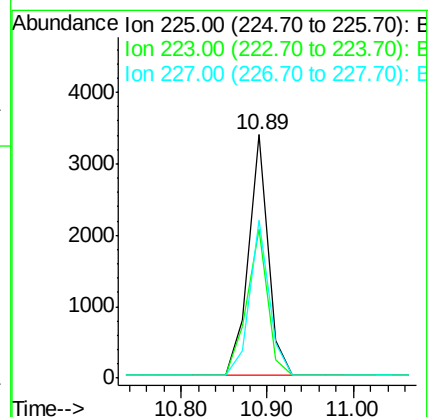
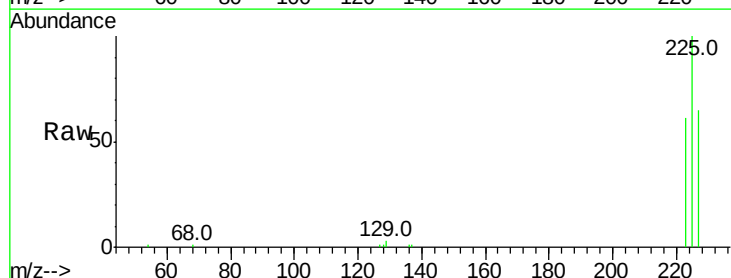
Tgt Ion:225 Resp: 5355

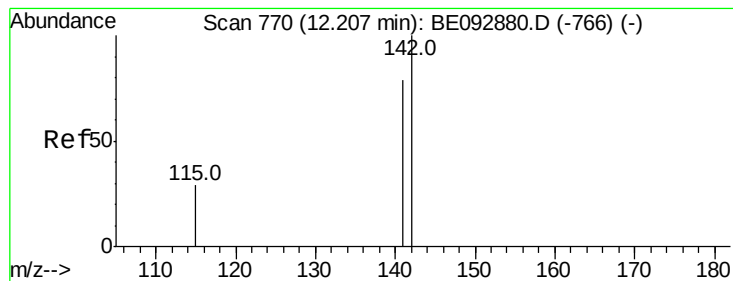
Ion Ratio Lower Upper

225 100

223 63.2 50.6 76.0

227 63.6 51.4 77.0





#11

2-Methylnaphthalene

Concen: 4.89 ng

RT: 12.21 min Scan# 770

Delta R.T. 0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

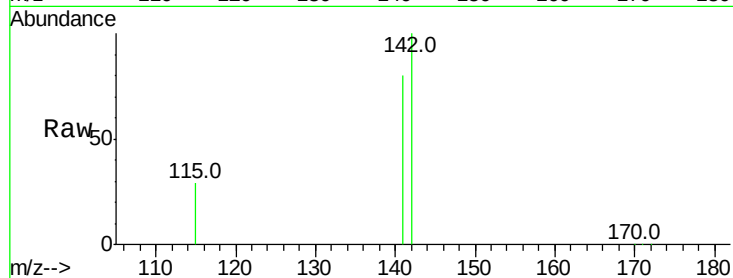
Tot Ion:142 Resp: 25450

Ion Ratio Lower Upper

142 100

141 79.9 73.7 110.5

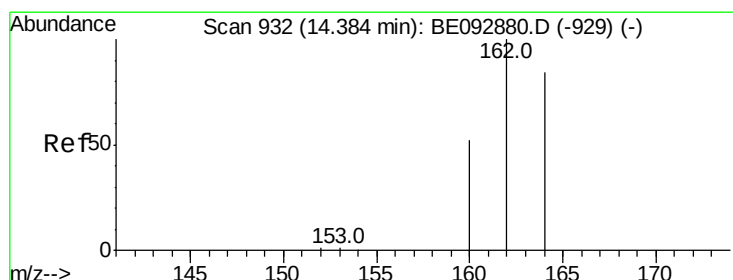
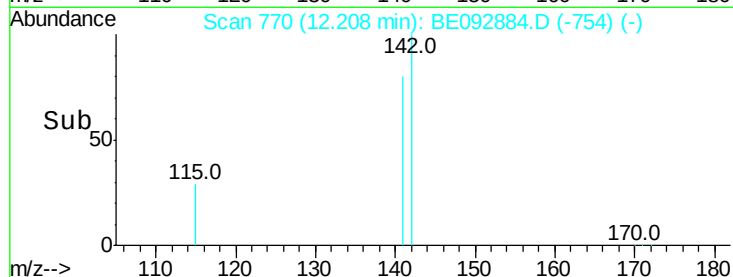
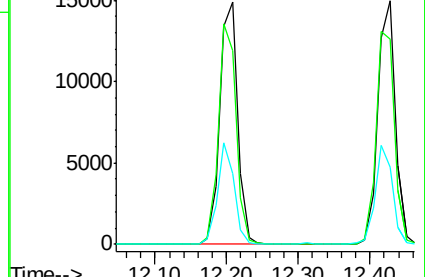
115 29.4 34.0 51.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 932

Delta R.T. -0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

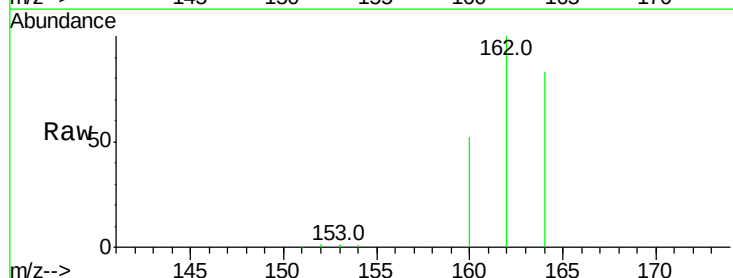
Tgt Ion:164 Resp: 19576

Ion Ratio Lower Upper

164 100

162 120.5 71.4 107.0#

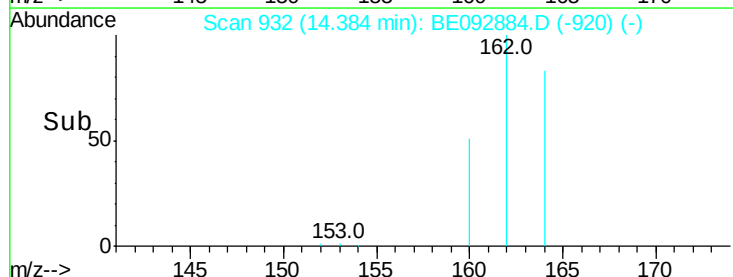
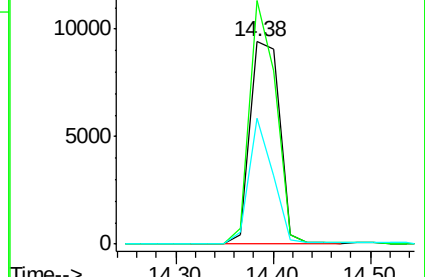
160 62.2 27.4 41.2#

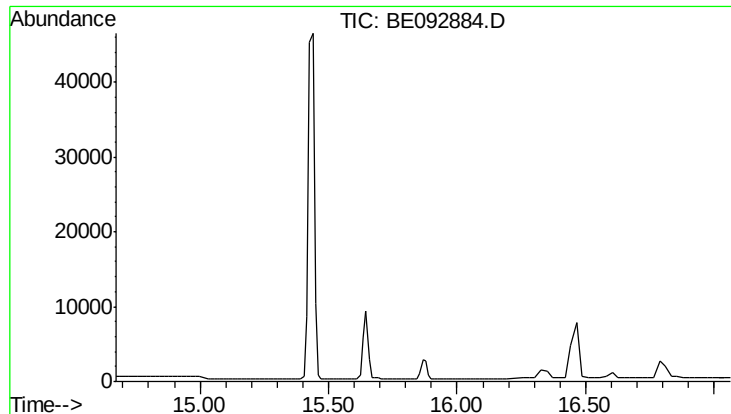


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

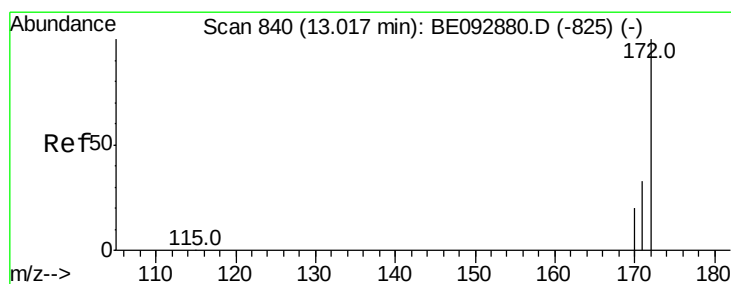
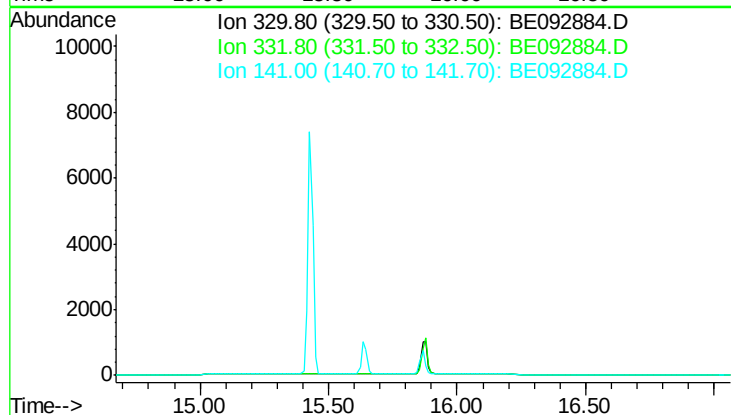




#13
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 15.87 min
 Lab File: BE092884.D
 Acq: 4 Apr 2017 14:44

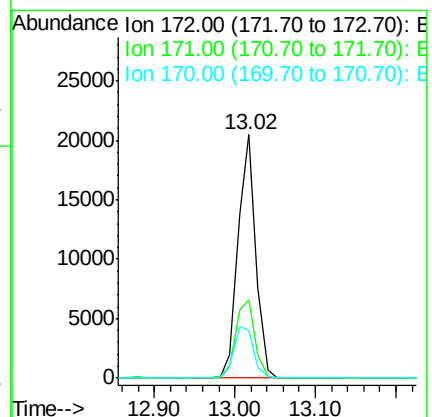
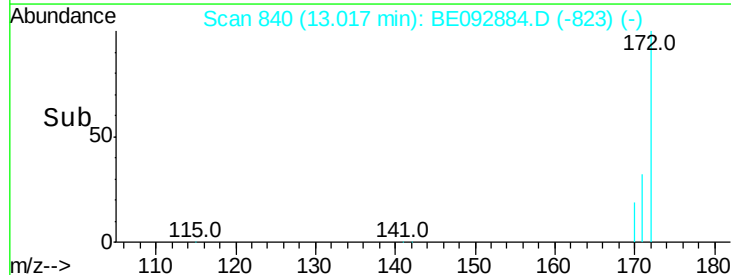
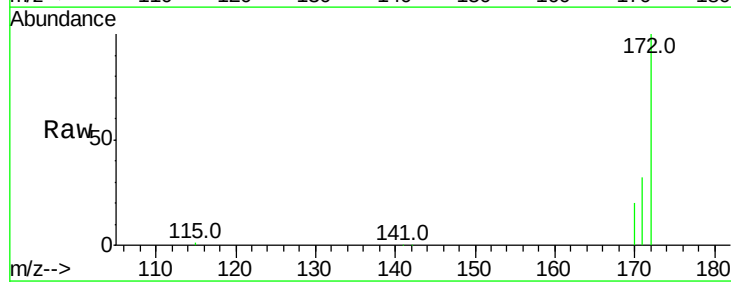
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

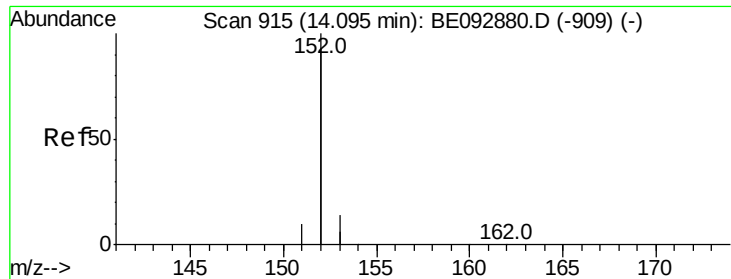
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 94.2
 141 38.8



#14
 2-Fluorobiphenyl
 Concen: 4.77 ng
 RT: 13.02 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BE092884.D
 Acq: 4 Apr 2017 14:44

Tgt Ion: 172 Resp: 30753
 Ion Ratio Lower Upper
 172 100
 171 32.1 30.1 45.1
 170 19.6 21.8 32.6#

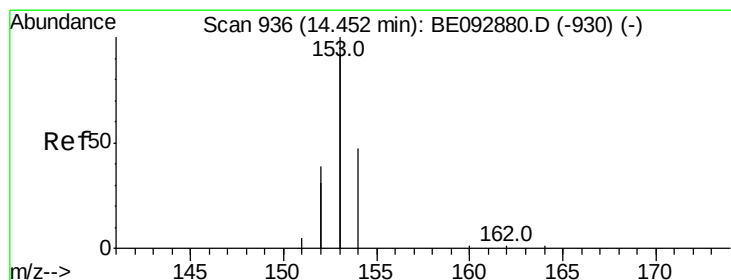
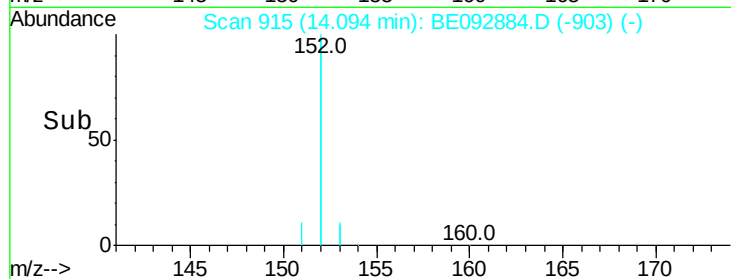
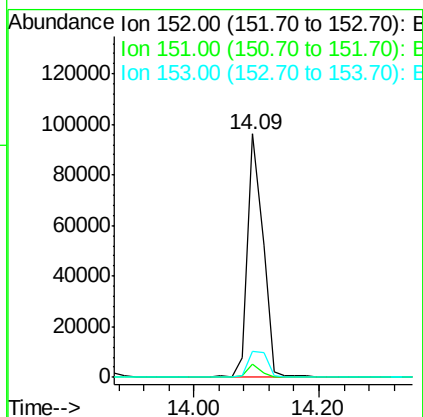
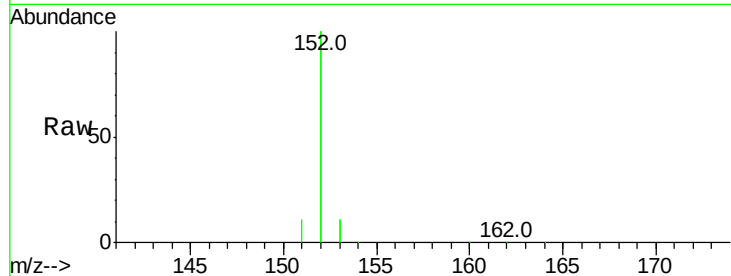




#15
Acenaphthylene
Concen: 5.46 ng
RT: 14.09 min Scan# 915
Delta R.T. -0.00 min
Lab File: BE092884.D
Acq: 4 Apr 2017 14:44

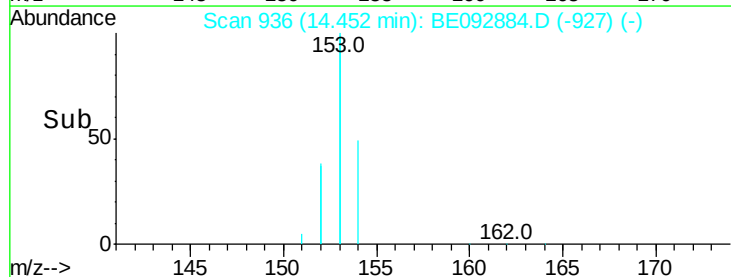
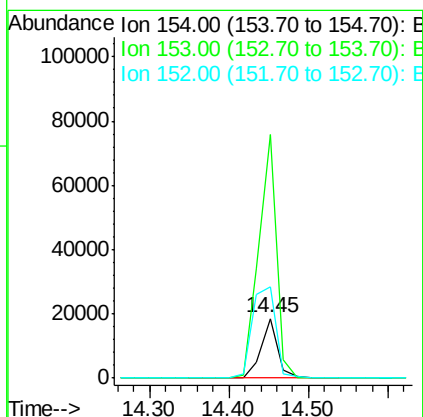
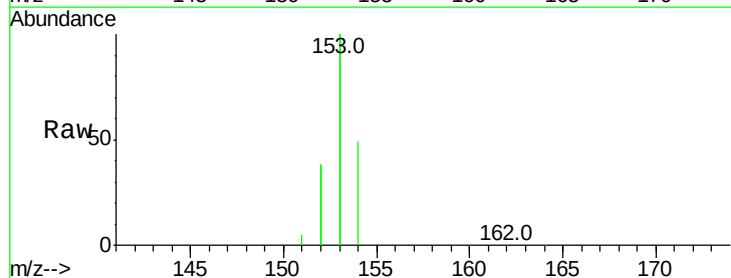
Instrument :
BNA_E
ClientSampleId :
SSTDIC005

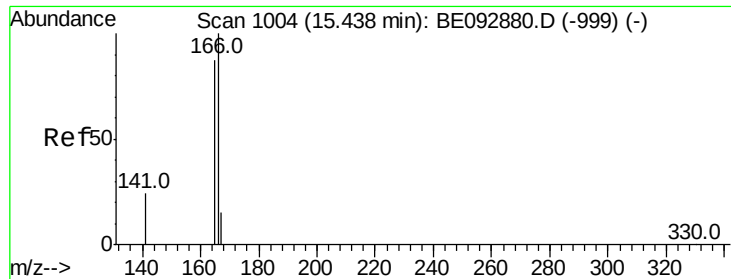
Tot Ion:152 Resp: 163816
Ion Ratio Lower Upper
152 100
151 4.9 3.9 5.9
153 13.2 10.4 15.6



#16
Acenaphthene
Concen: 5.05 ng
RT: 14.45 min Scan# 936
Delta R.T. -0.00 min
Lab File: BE092884.D
Acq: 4 Apr 2017 14:44

Tgt Ion:154 Resp: 27023
Ion Ratio Lower Upper
154 100
153 438.6 350.8 526.2
152 213.0 171.1 256.7





#17

Fluorene

Concen: 4.94 ng

RT: 15.44 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

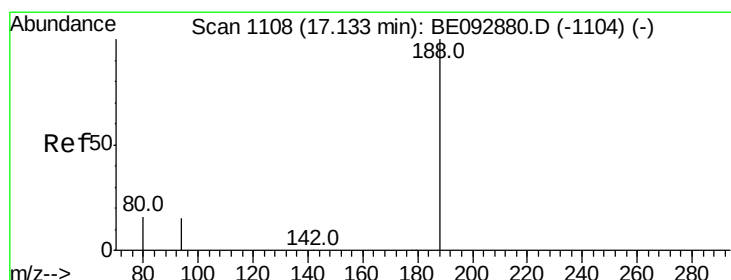
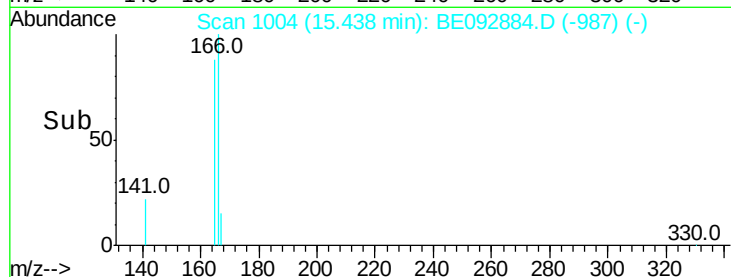
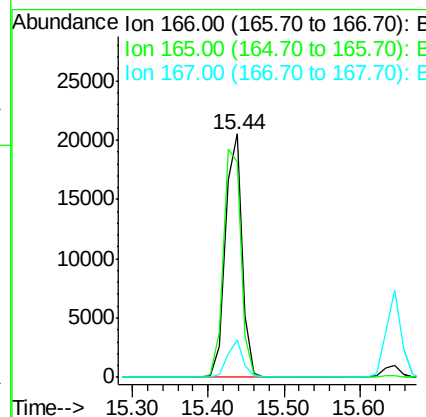
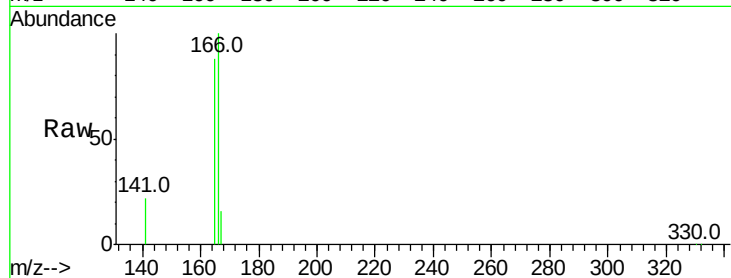
Tot Ion:166 Resp: 31480

Ion Ratio Lower Upper

166 100

165 99.3 78.2 117.4

167 14.2 11.0 16.4



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.13 min Scan# 1108

Delta R.T. -0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

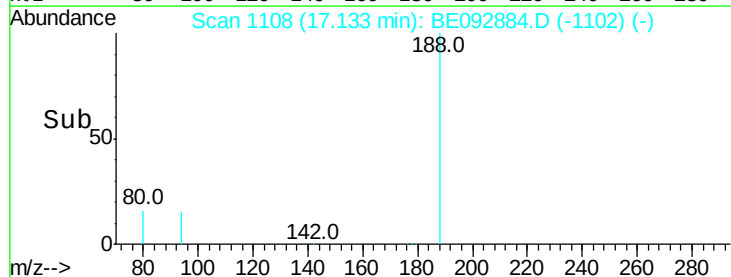
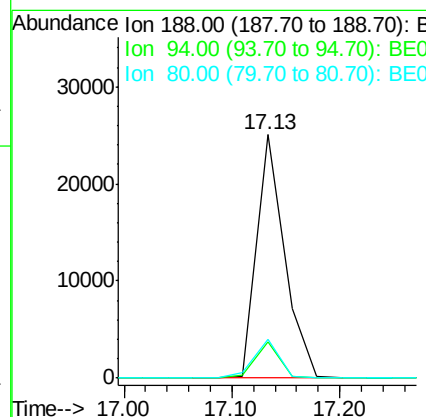
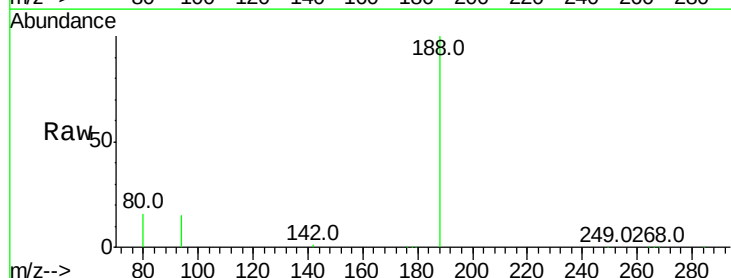
Tgt Ion:188 Resp: 44832

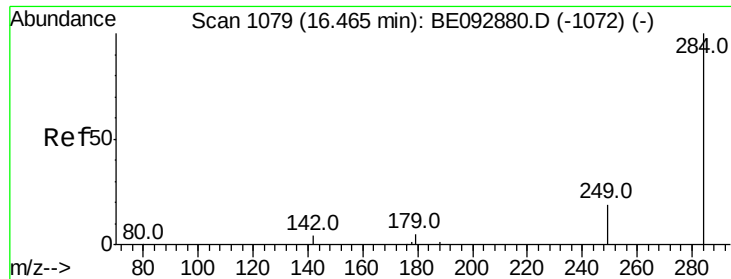
Ion Ratio Lower Upper

188 100

94 14.9 3.2 4.8#

80 15.7 2.6 3.8#





#19

Hexachlorobenzene

Concen: 5.03 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

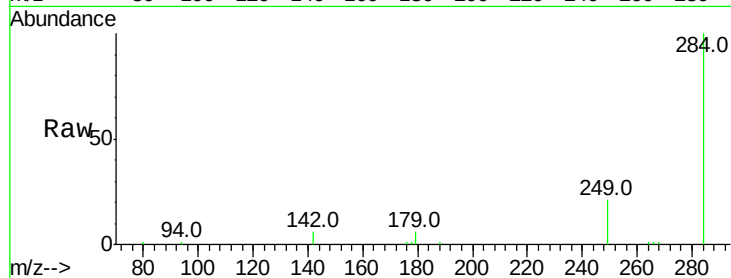
Tot Ion:284 Resp: 8363

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

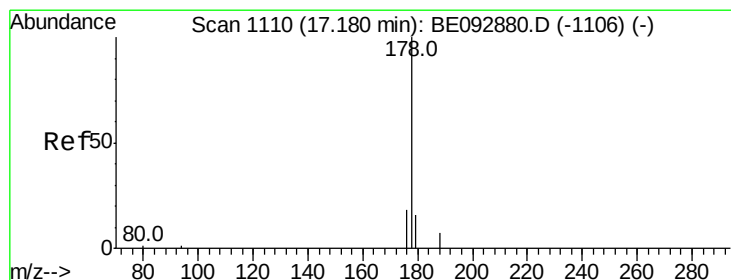
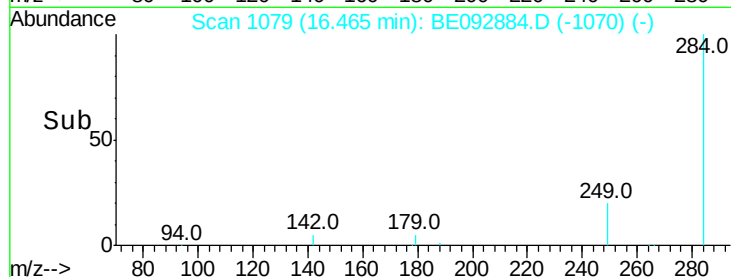
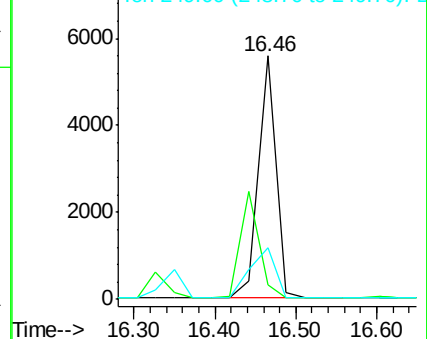
249 29.6 27.9 41.9



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#21

Phenanthrene

Concen: 5.30 ng

RT: 17.18 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

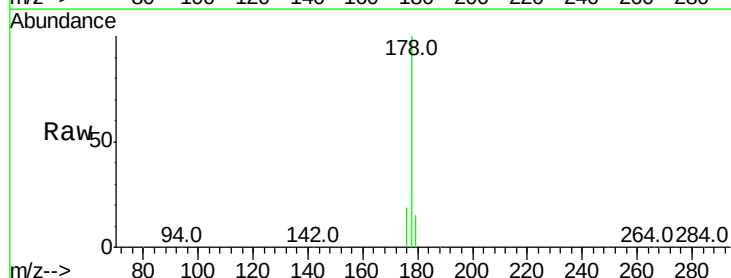
Tgt Ion:178 Resp: 57852

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

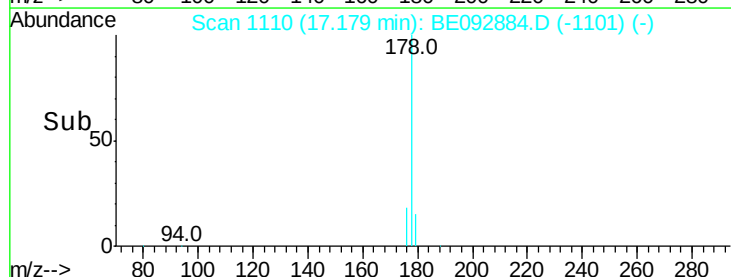
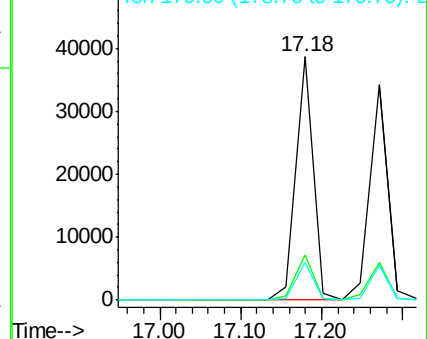
179 15.3 16.0 24.0#

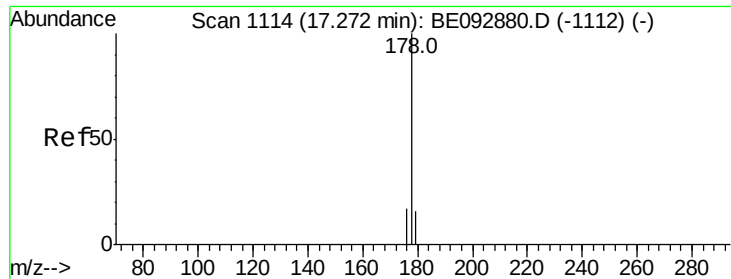


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#22

Anthracene

Concen: 5.38 ng

RT: 17.27 min Scan# 1114

Delta R.T. -0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

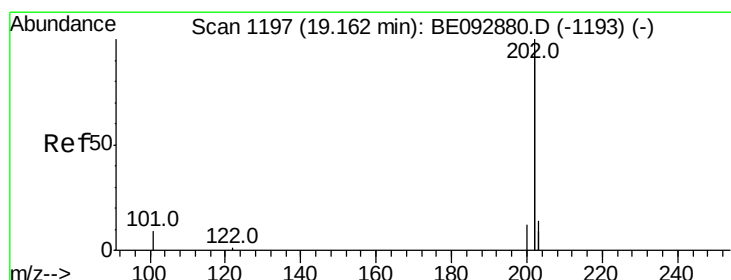
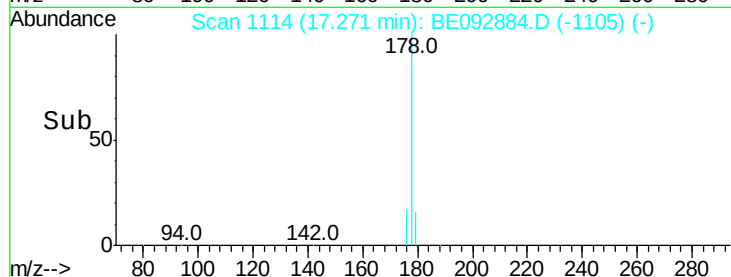
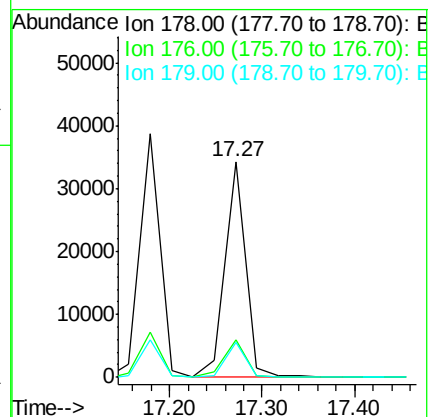
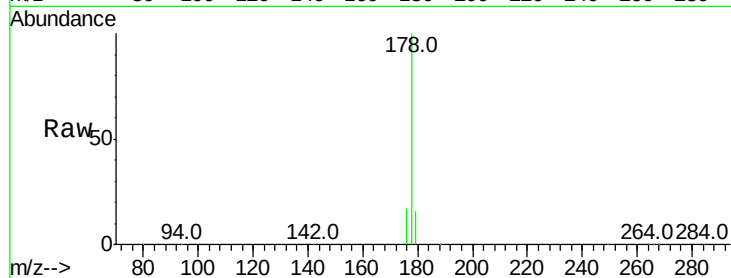
Tot Ion:178 Resp: 53341

Ion Ratio Lower Upper

178 100

176 17.8 15.0 22.4

179 15.9 12.2 18.2



#23

Fluoranthene

Concen: 4.54 ng

RT: 19.16 min Scan# 1197

Delta R.T. -0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

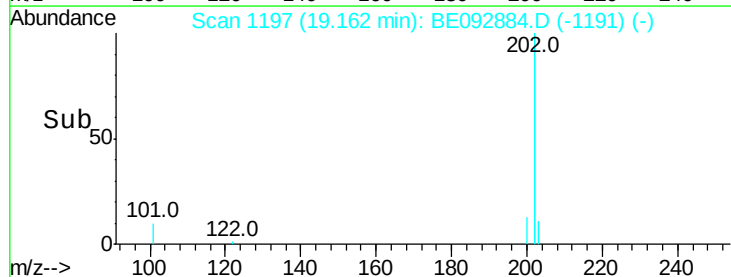
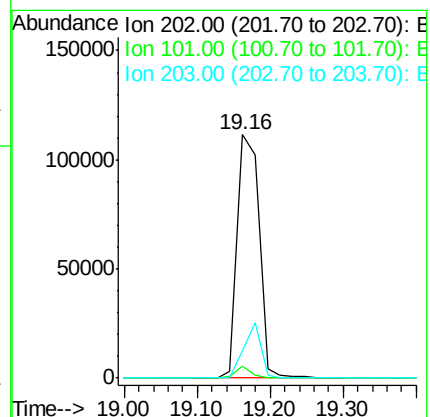
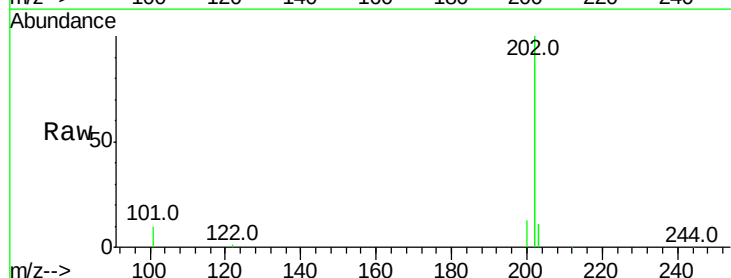
Tgt Ion:202 Resp: 227715

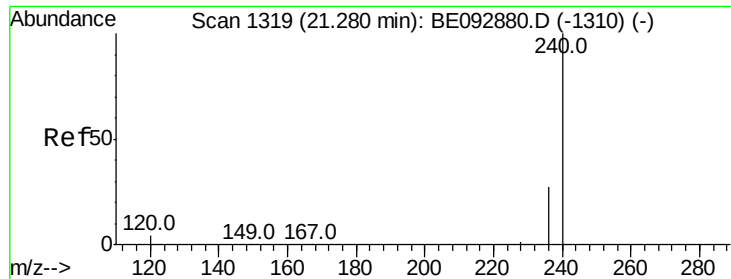
Ion Ratio Lower Upper

202 100

101 3.3 2.2 3.4

203 17.8 13.7 20.5

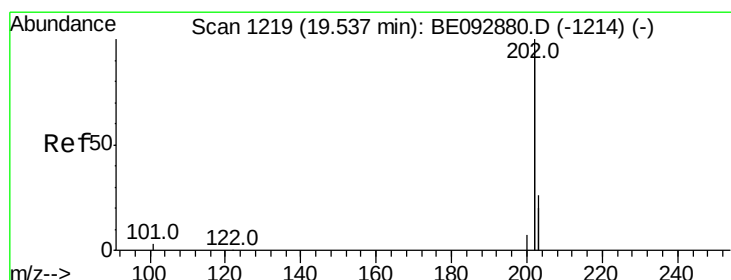
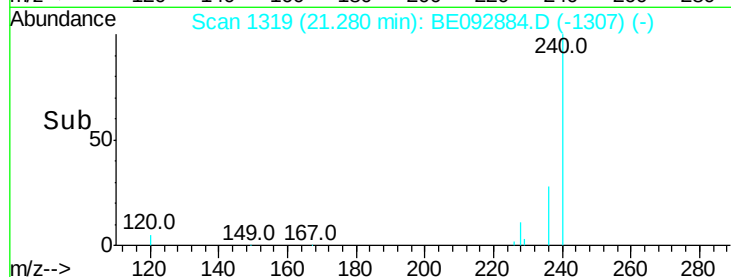
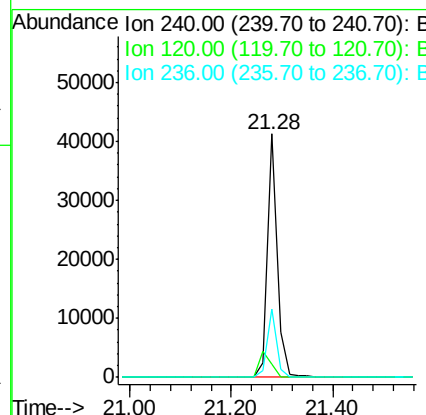
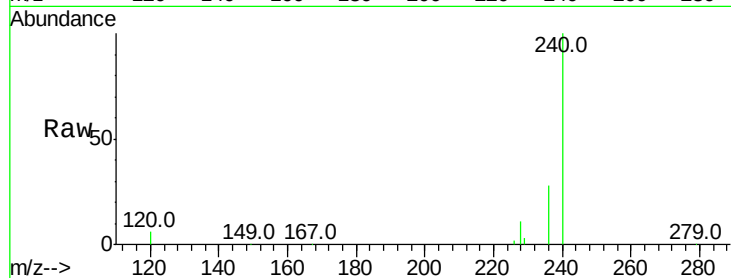




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.28 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BE092884.D
Acq: 4 Apr 2017 14:44

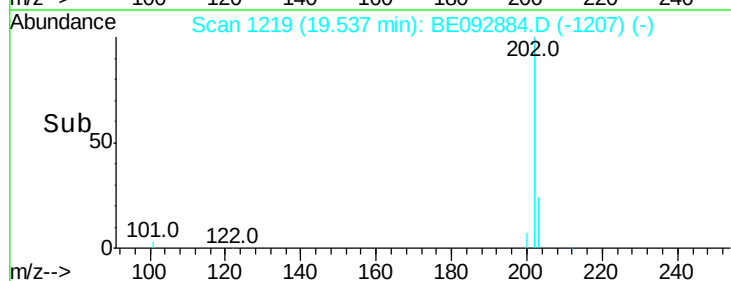
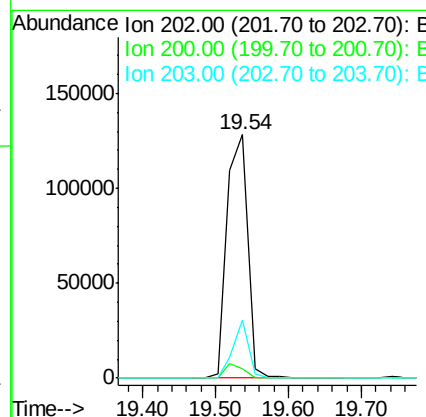
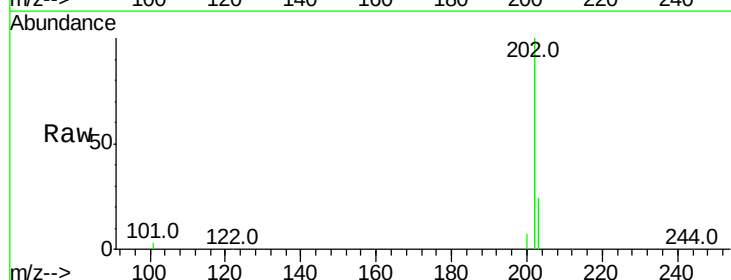
Instrument :
BNA_E
ClientSampleId :
SSTDIC005

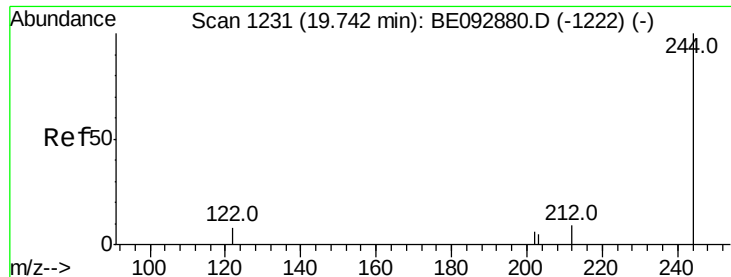
Tot Ion:240 Resp: 54604
Ion Ratio Lower Upper
240 100
120 5.5 2.6 4.0#
236 27.9 24.6 37.0



#25
Pyrene
Concen: 4.64 ng
RT: 19.54 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BE092884.D
Acq: 4 Apr 2017 14:44

Tgt Ion:202 Resp: 251815
Ion Ratio Lower Upper
202 100
200 5.2 4.2 6.4
203 17.7 13.9 20.9

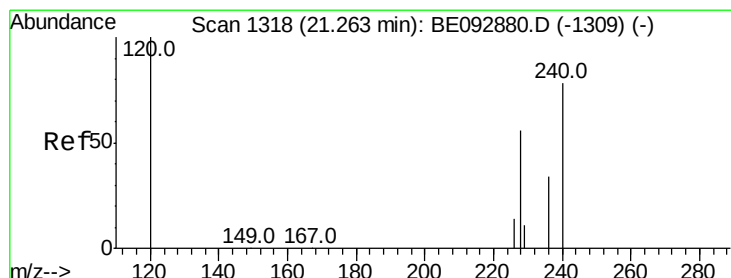
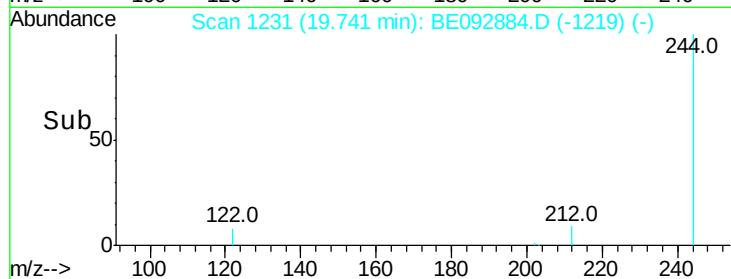
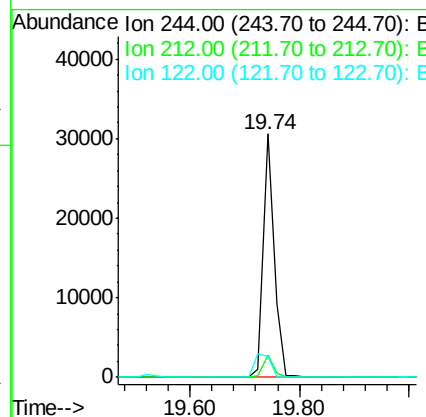
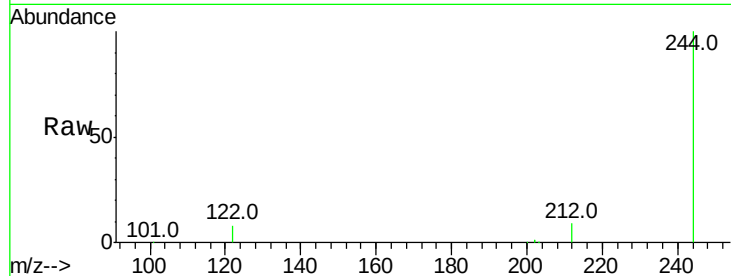




#26
 Terphenyl-d14
 Concen: 4.45 ng
 RT: 19.74 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BE092884.D
 Acq: 4 Apr 2017 14:44

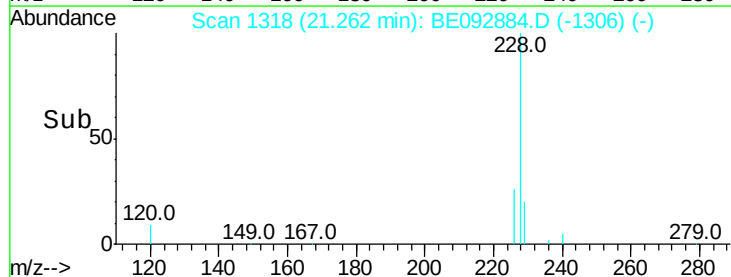
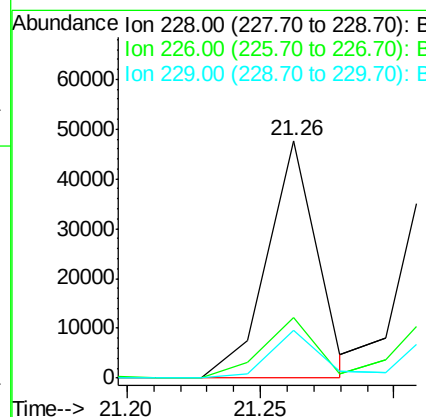
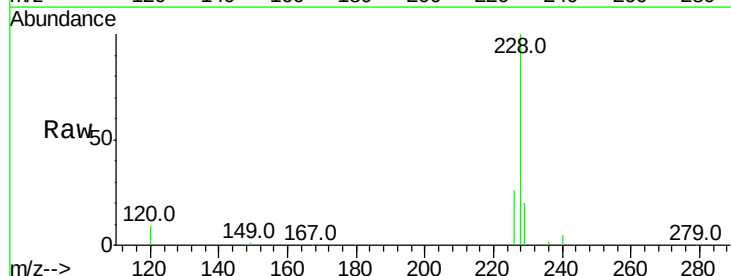
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

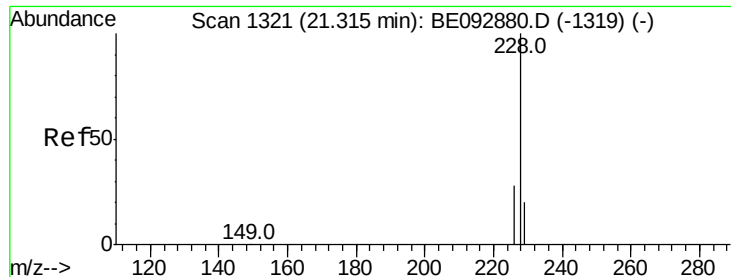
Tot Ion:244 Resp: 42043
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.7 10.1
 122 8.3 3.6 5.4#



#27
 Benzo(a)anthracene
 Concen: 4.80 ng m
 RT: 21.26 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: BE092884.D
 Acq: 4 Apr 2017 14:44

Tgt Ion:228 Resp: 62050
 Ion Ratio Lower Upper
 228 100
 226 25.7 23.6 35.4
 229 20.0 13.3 19.9#





#28

Chrysene

Concen: 4.75 ng/mL

RT: 21.31 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

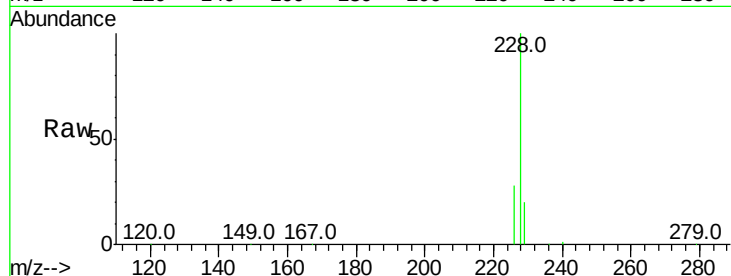
Tot Ion:228 Resp: 64821

Ion Ratio Lower Upper

228 100

226 28.3 36.3 54.5#

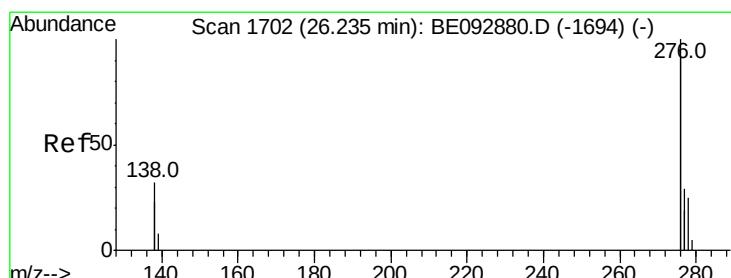
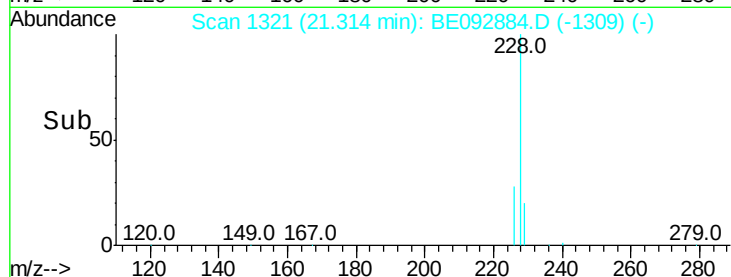
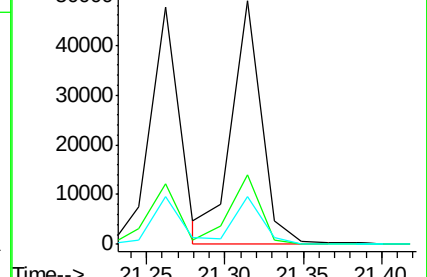
229 19.8 10.6 16.0#



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



#30

Indeno(1,2,3-cd)pyrene

Concen: 4.51 ng/mL

RT: 26.24 min Scan# 1702

Delta R.T. 0.00 min

Lab File: BE092884.D

Acq: 4 Apr 2017 14:44

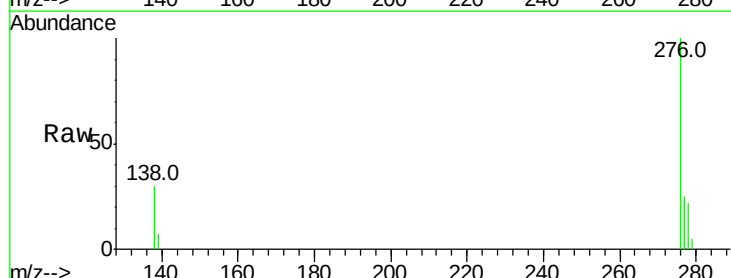
Tgt Ion:276 Resp: 231559

Ion Ratio Lower Upper

276 100

138 32.3 20.3 30.5#

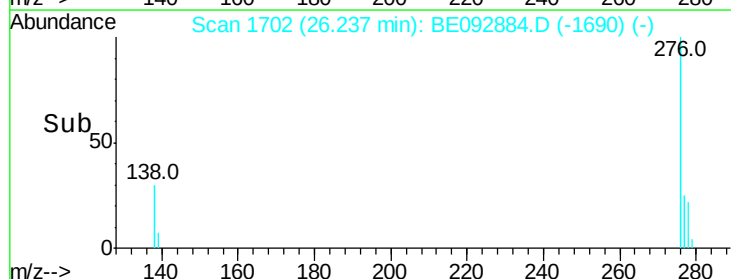
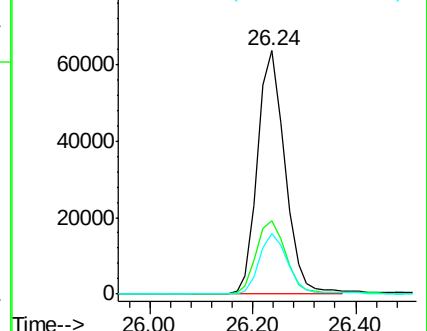
277 25.1 19.7 29.5

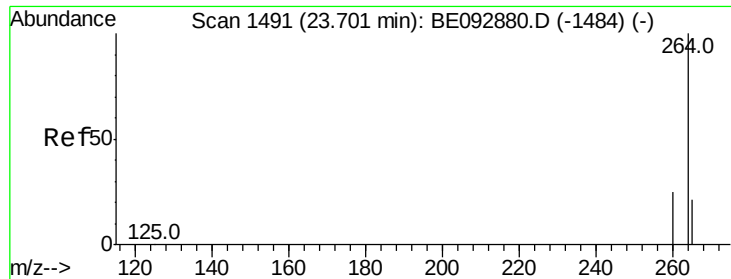


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

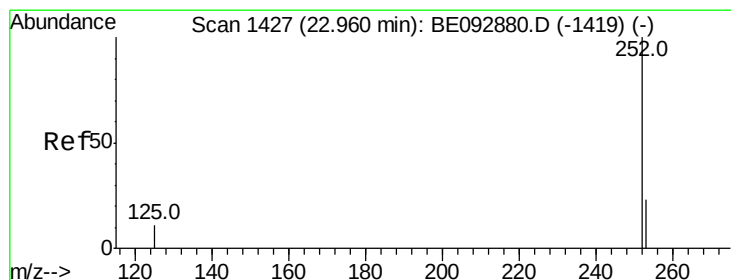
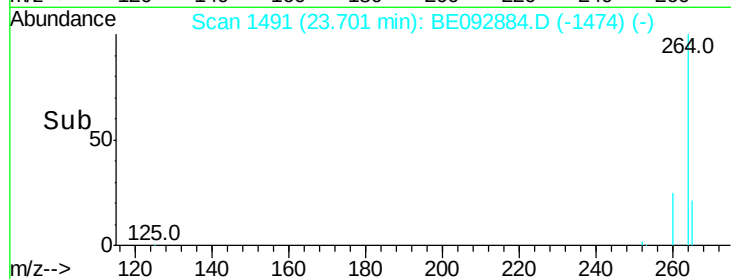
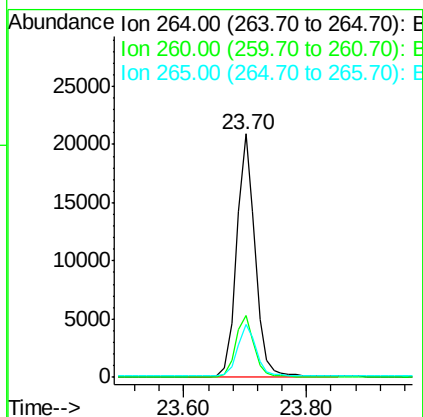
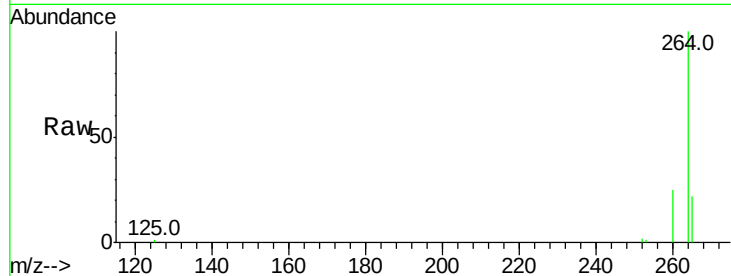




#31
Pervlene-d12
Concen: 5.00 ng
RT: 23.70 min Scan# 1491
Delta R.T. 0.00 min
Lab File: BE092884.D
Acq: 4 Apr 2017 14:44

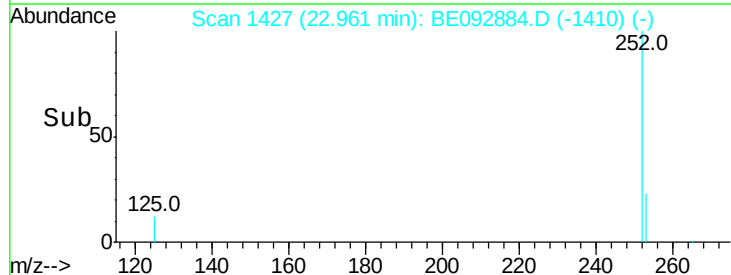
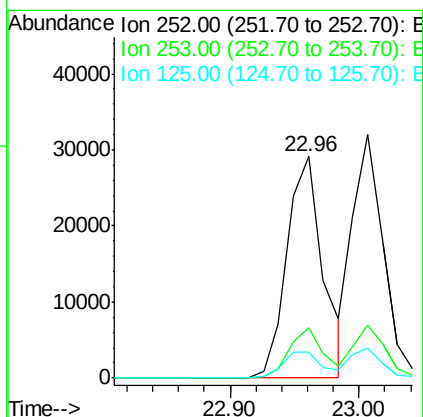
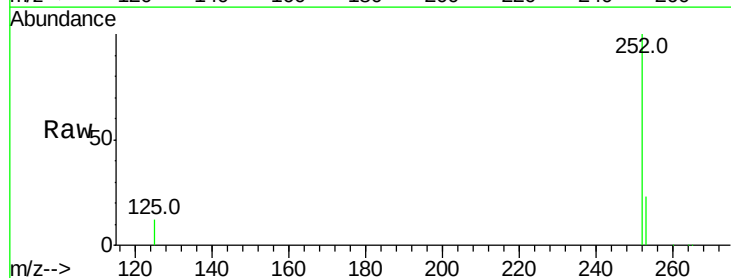
Instrument :
BNA_E
ClientSampleId :
SSTDIC005

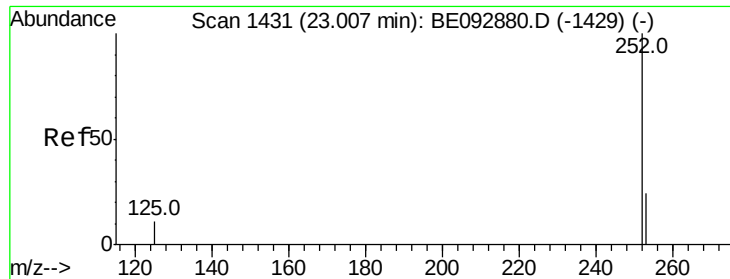
Tot Ion:264 Resp: 43630
Ion Ratio Lower Upper
264 100
260 25.3 20.1 30.1
265 21.7 17.9 26.9



#32
Benzo(b)fluoranthene
Concen: 4.86 ng
RT: 22.96 min Scan# 1427
Delta R.T. 0.00 min
Lab File: BE092884.D
Acq: 4 Apr 2017 14:44

Tgt Ion:252 Resp: 56454
Ion Ratio Lower Upper
252 100
253 22.8 18.7 28.1
125 11.7 10.5 15.7

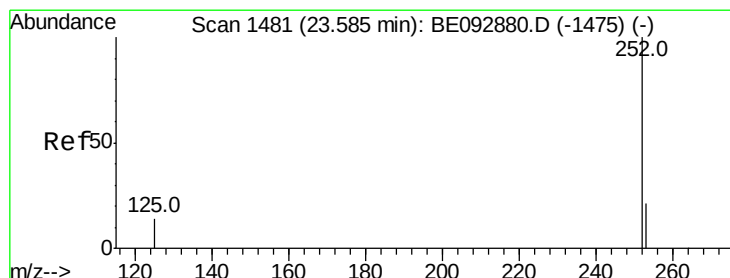
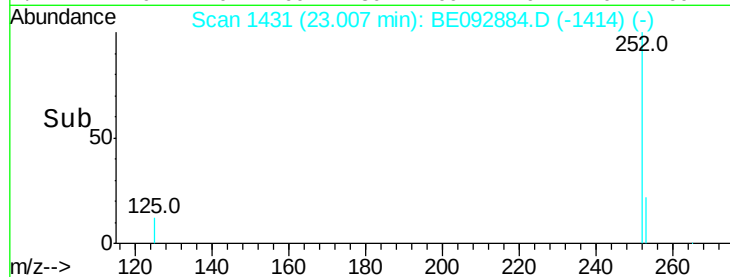
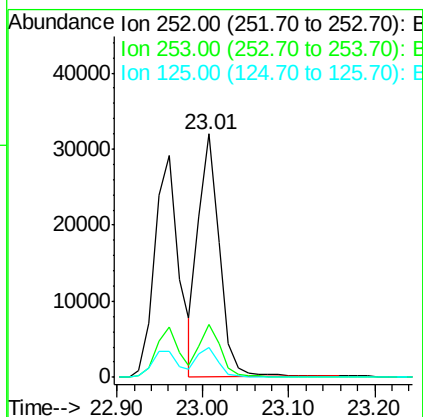
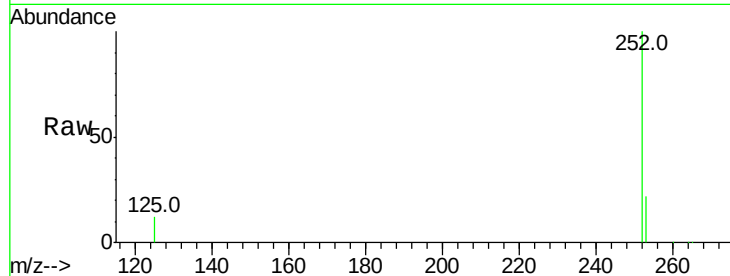




#33
Benzo(k)fluoranthene
Concen: 5.16 ng
RT: 23.01 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE092884.D
Acq: 4 Apr 2017 14:44

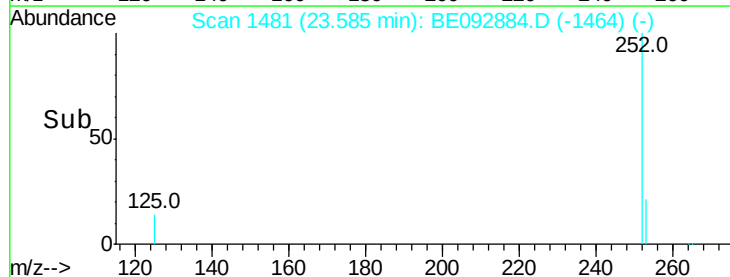
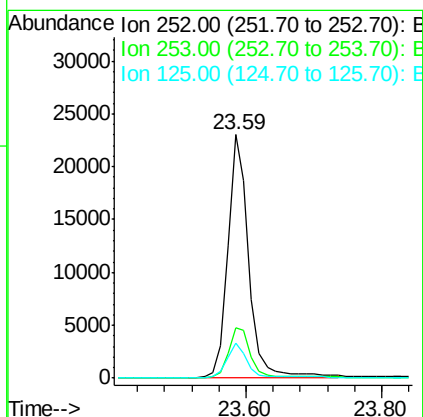
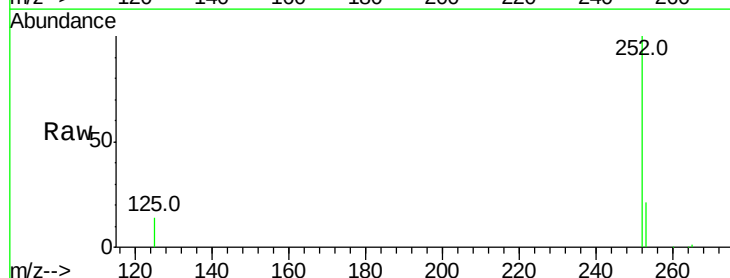
Instrument :
BNA_E
ClientSampleId :
SSTDIC005

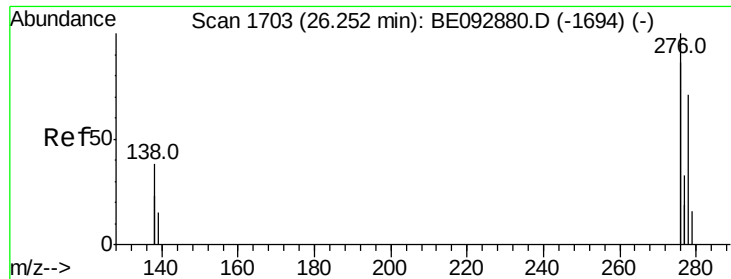
Tot Ion:252 Resp: 53664
Ion Ratio Lower Upper
252 100
253 21.9 20.3 30.5
125 12.2 9.6 14.4



#34
Benzo(a)pyrene
Concen: 5.13 ng
RT: 23.59 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE092884.D
Acq: 4 Apr 2017 14:44

Tgt Ion:252 Resp: 49289
Ion Ratio Lower Upper
252 100
253 20.8 19.0 28.6
125 14.2 11.8 17.8



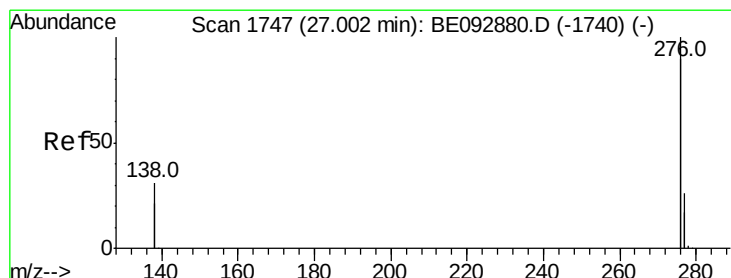
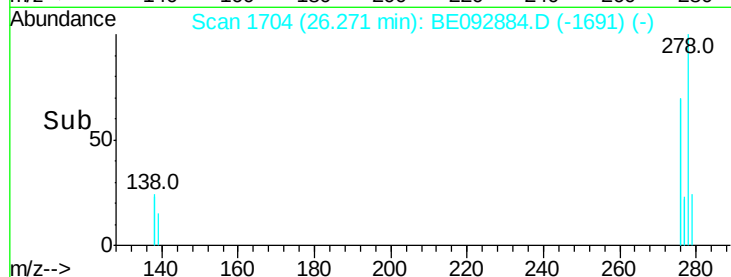
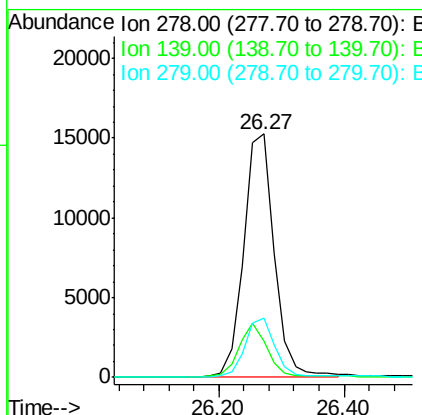
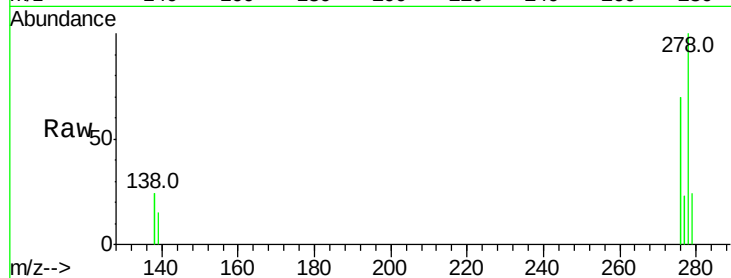


#35
Dibenzo(a,h)anthracene
Concen: 5.03 ng
RT: 26.27 min Scan# 1704
Delta R.T. 0.02 min
Lab File: BE092884.D
Acq: 4 Apr 2017 14:44

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tot Ion:278 Resp: 51307

Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.8	20.8
279	24.4	21.4	32.2



#36
Benzo(g,h,i)perylene
Concen: 4.81 ng
RT: 27.00 min Scan# 1747
Delta R.T. 0.00 min
Lab File: BE092884.D
Acq: 4 Apr 2017 14:44

Tgt Ion:276 Resp: 203649

Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.8	29.8
138	28.5	19.8	29.6

