

Data Path : Z:\HPCHEM1\BNA_E\Data\BE072716\
 Data File : BE092055.D
 Acq On : 27 Jul 2016 13:56
 Operator : UM/SJ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Quant Time: Jul 27 14:48:07 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 13:27:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	10058	5.00	ng	-0.02
8) Naphthalene-d8	11.00	136	47793	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	22502	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	65546	5.00	ng	0.00
31) Chrysene-d12	21.76	240	65651	5.00	ng	0.00
40) Perylene-d12	24.15	264	67519	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	12731	6.04	ng	-0.02
5) Phenol-d6	7.35	99	17777	6.12	ng	0.00
9) Nitrobenzene-d5	9.35	82	18450	5.09	ng	-0.02
16) 2,4,6-Tribromophenol	16.33	330	5398	7.29	ng	-0.02
17) 2-Fluorobiphenyl	13.47	172	43958	4.77	ng	0.00
34) Terphenyl-d14	20.20	244	62690	4.83	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.45	88	6646	4.42	ng	94
3) n-Nitrosodimethylamine	3.80	42	9421	5.78	ng	# 96
6) bis(2-Chloroethyl)ether	7.61	93	16050	5.73	ng	94
7) n-Nitroso-di-n-propylamine	8.98	70	14193	6.28	ng	97
10) Nitrobenzene	9.39	77	20477	6.36	ng	99
11) bis(2-Chloroethoxy)methane	10.40	93	23378	6.33	ng	99
12) Naphthalene	11.04	128	50447	4.65	ng	95
13) Hexachlorobutadiene	11.32	225	7665	4.70	ng	# 99
14) 2-Methylnaphthalene	12.66	142	35465	5.22	ng	97
18) Acenaphthylene	14.56	152	308905	5.48	ng	98
19) 2,6-Dinitrotoluene	14.44	165	38740	6.90	ng	# 100
20) Acenaphthene	14.92	154	29199	4.64	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	64083	11.06	ng	# 1
22) Fluorene	15.90	166	49137	5.06	ng	99
23) 4-Chlorophenyl-phenylether	15.88	204	23069	4.70	ng	91
25) 4-Bromophenyl-phenylether	16.78	248	14108	5.13	ng	99
26) Hexachlorobenzene	16.90	284	14118	4.91	ng	99
27) Pentachlorophenol	17.25	266	5868	11.61	ng	# 83
28) Phenanthrene	17.63	178	82601	4.80	ng	99
29) Anthracene	17.72	178	81865	5.45	ng	100
30) Fluoranthene	19.63	202	419235	5.61	ng	100
32) Benzidine	19.81	184	33991	13.25	ng	# 71
33) Pyrene	19.99	202	437040	5.31	ng	100
35) Benzo(a)anthracene	21.73	228	244061	6.85	ng	96
36) 3,3'-Dichlorobenzidine	21.67	252	44721	10.36	ng	# 86
37) Chrysene	21.73	228	245435	6.74	ng	96
38) Bis(2-ethylhexyl)phthalate	21.64	149	329151	4.54	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.65	276	398585	5.37	ng	99
41) Benzo(b)fluoranthene	23.41	252	94588	3.53	ng	97
42) Benzo(k)fluoranthene	23.46	252	95700	3.69	ng	96
43) Benzo(a)pyrene	24.04	252	88533	4.58	ng	94
44) Dibenzo(a,h)anthracene	26.68	278	83622	5.69	ng	# 92
45) Benzo(g,h,i)perylene	27.43	276	337489	5.44	ng	95

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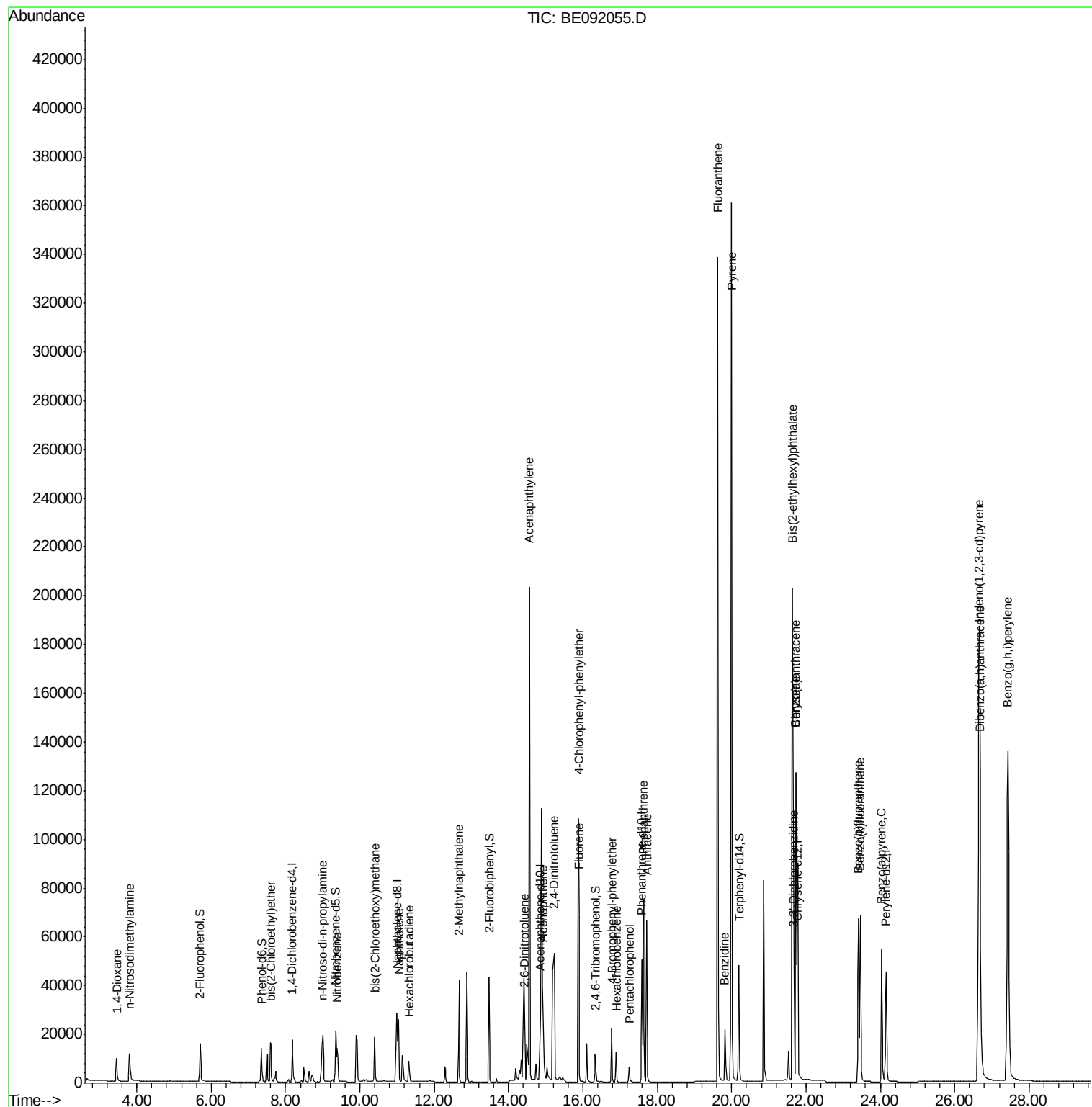
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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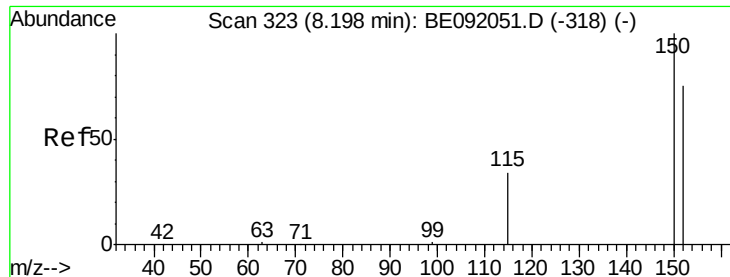
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.18 min Scan# 322

Delta R.T. -0.02 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

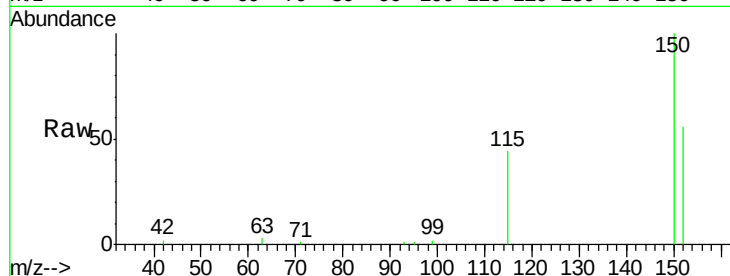
Tgt Ion:152 Resp: 10058

Ion Ratio Lower Upper

152 100

150 177.4 106.0 159.0#

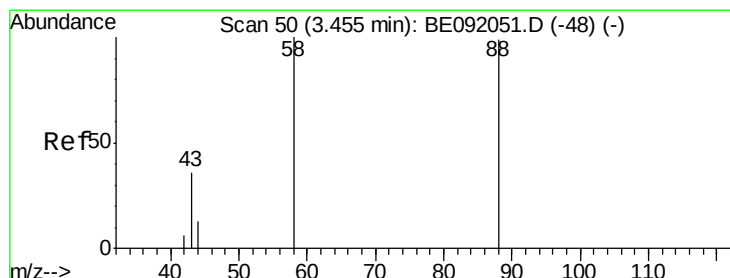
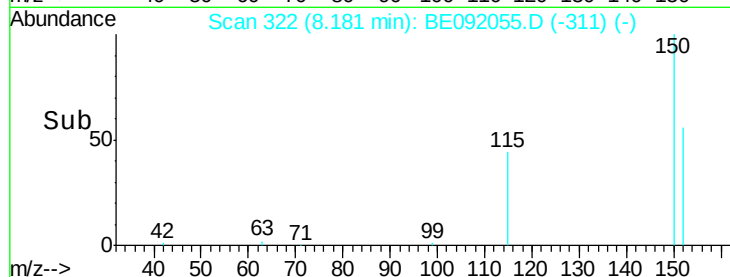
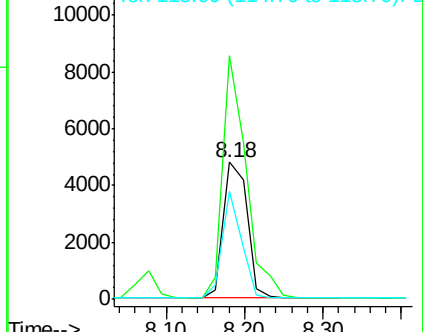
115 78.8 36.9 55.3#



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: 4.42 ng

RT: 3.45 min Scan# 50

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

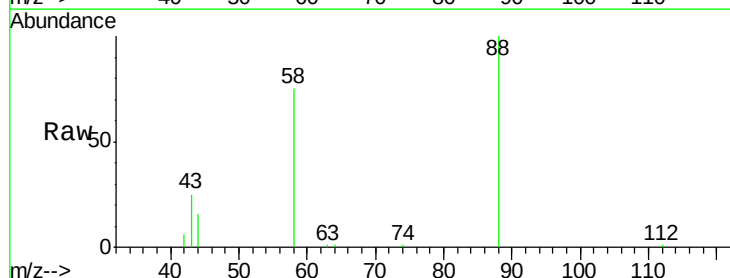
Tgt Ion: 88 Resp: 6646

Ion Ratio Lower Upper

88 100

58 83.8 62.1 93.1

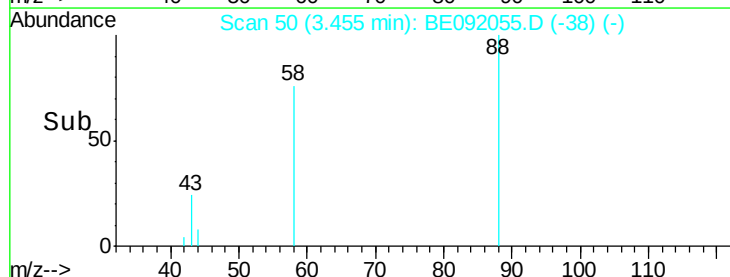
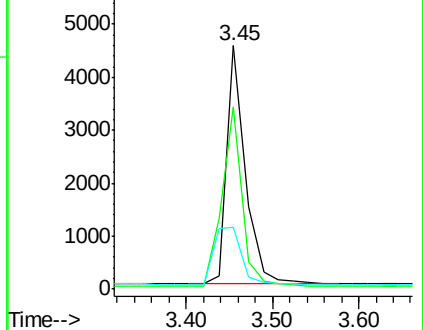
43 36.7 27.2 40.8

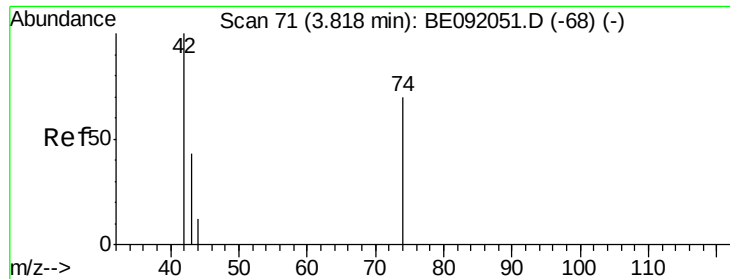


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 5.78 ng

RT: 3.80 min Scan# 70

Delta R.T. -0.02 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

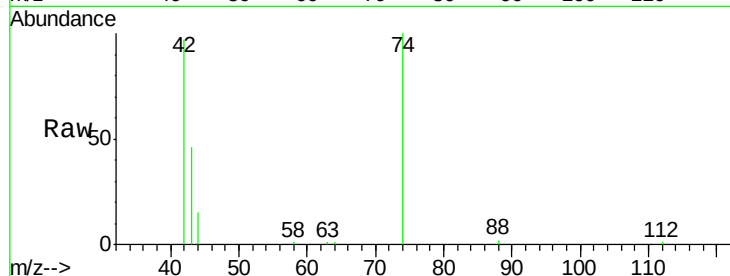
Tgt Ion: 42 Resp: 9421

Ion Ratio Lower Upper

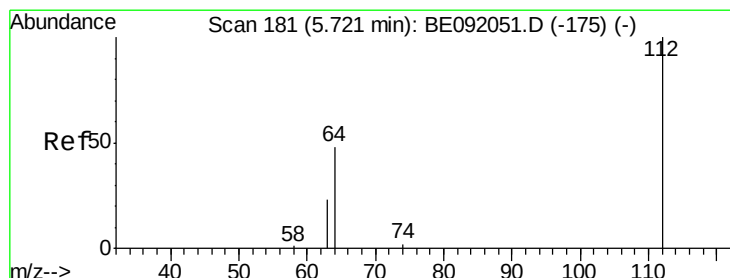
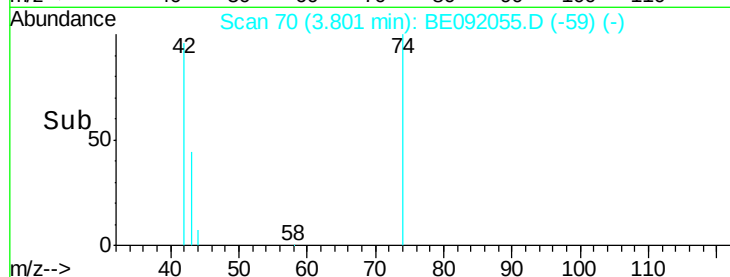
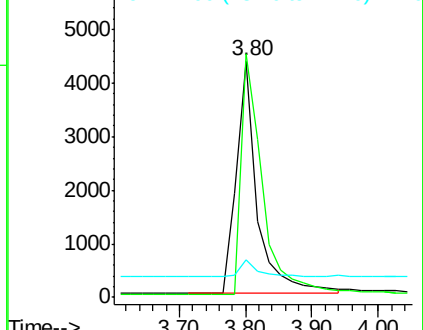
42 100

74 106.2 82.8 124.2

44 6.5 9.0 13.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 6.04 ng

RT: 5.70 min Scan# 180

Delta R.T. -0.02 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

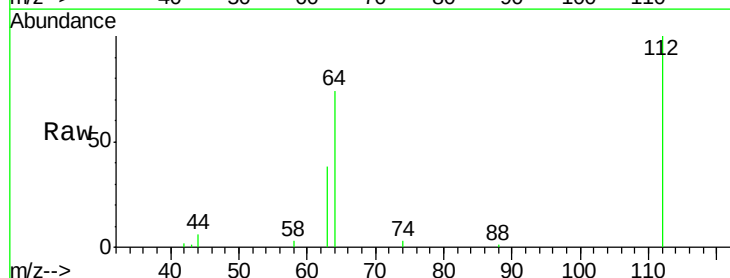
Tgt Ion: 112 Resp: 12731

Ion Ratio Lower Upper

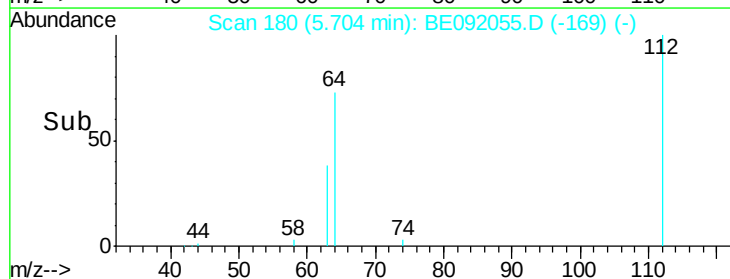
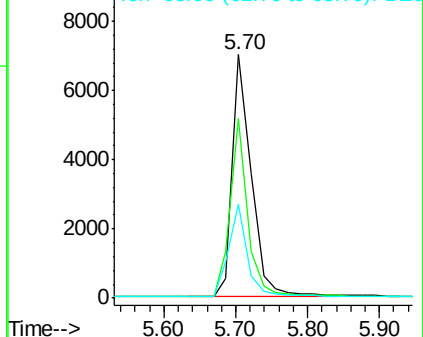
112 100

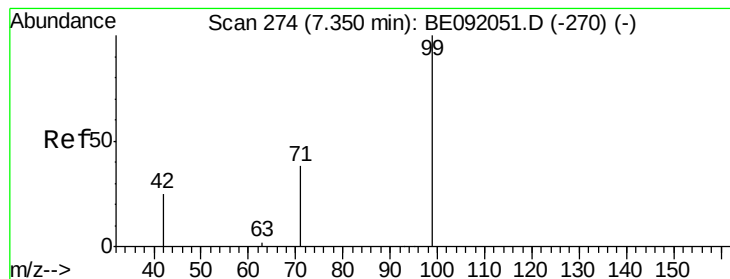
64 68.5 55.9 83.9

63 37.2 31.1 46.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.12 ng

RT: 7.35 min Scan# 274

Delta R.T. 0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

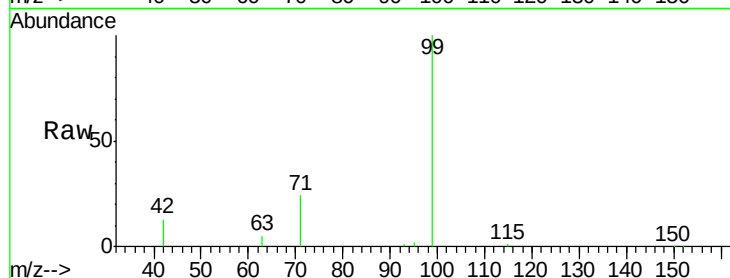
Tgt Ion: 99 Resp: 17777

Ion Ratio Lower Upper

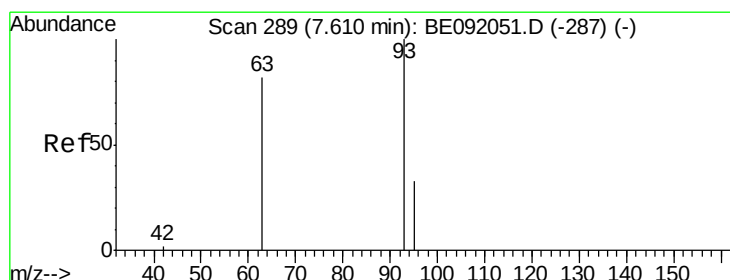
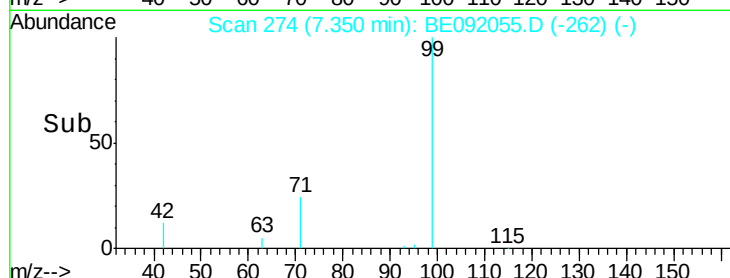
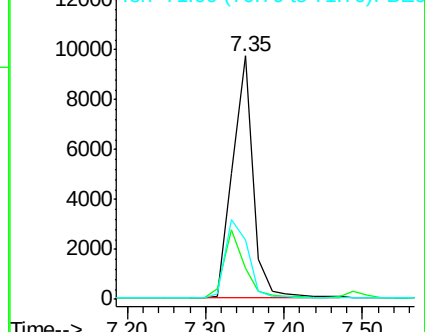
99 100

42 27.6 22.4 33.6

71 35.9 28.9 43.3



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: 5.73 ng

RT: 7.61 min Scan# 289

Delta R.T. 0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

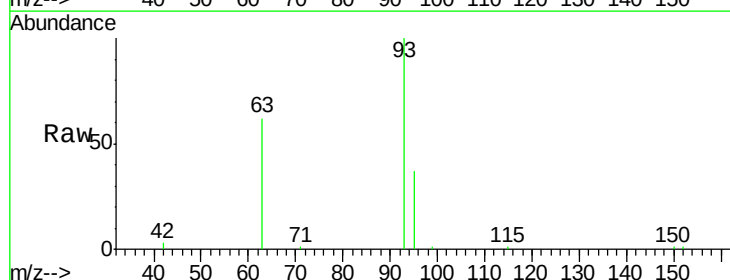
Tgt Ion: 93 Resp: 16050

Ion Ratio Lower Upper

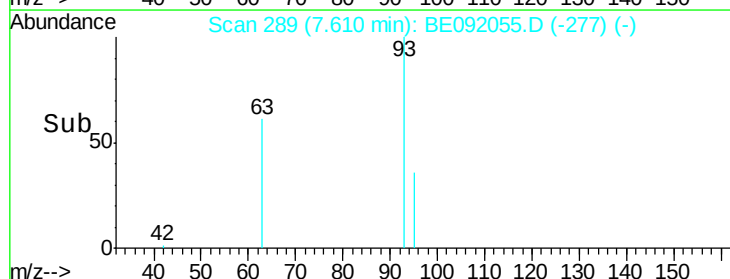
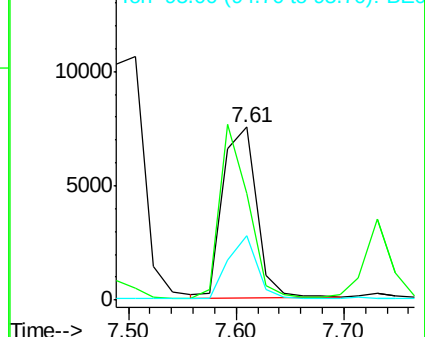
93 100

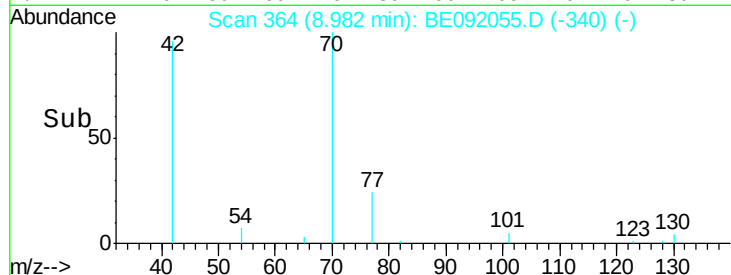
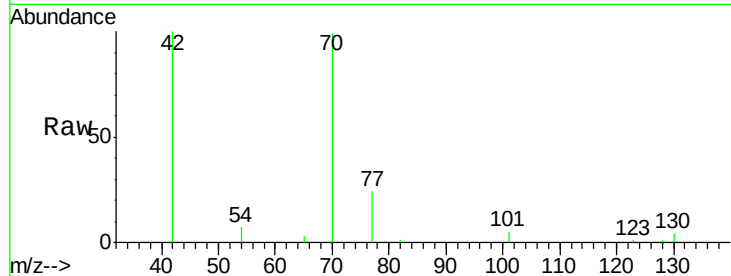
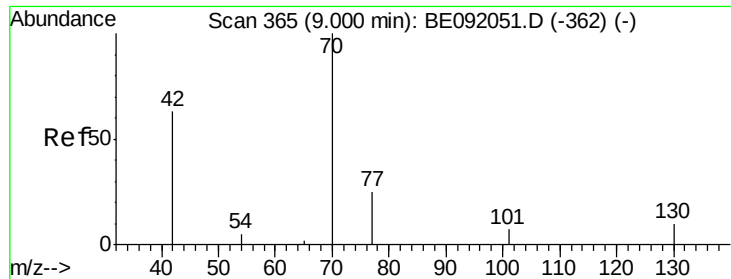
63 87.2 64.4 96.6

95 32.5 25.8 38.8



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

n-Nitroso-di-n-propylamine

Concen: 6.28 ng

RT: 8.98 min Scan# 364

Delta R.T. -0.02 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

Tgt Ion: 70 Resp: 14193

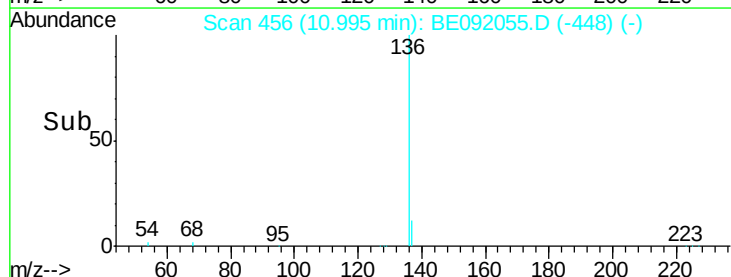
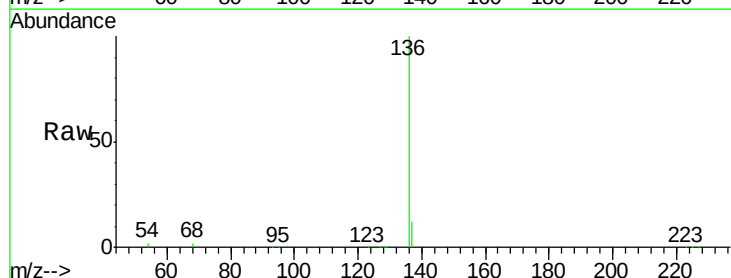
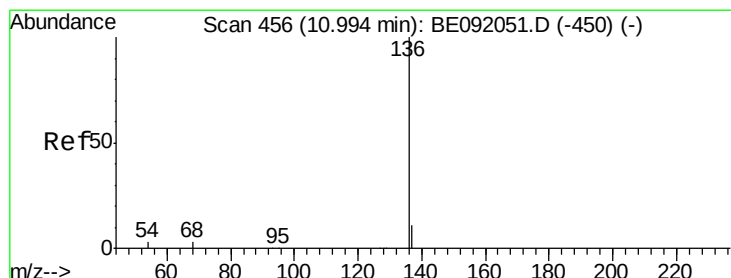
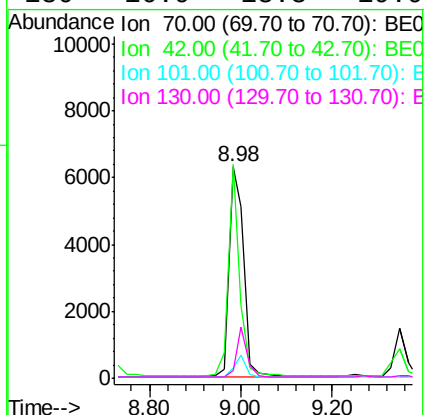
Ion Ratio Lower Upper

70 100

42 78.1 60.2 90.4

101 8.4 6.8 10.2

130 16.9 13.3 19.9



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.00 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Tgt Ion: 136 Resp: 47793

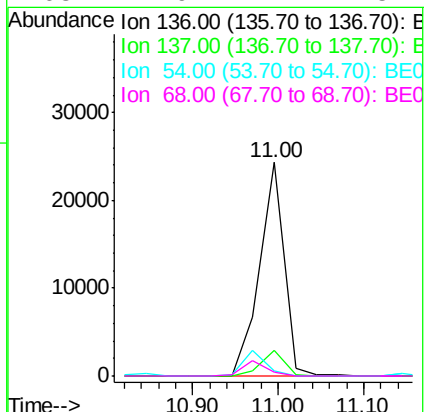
Ion Ratio Lower Upper

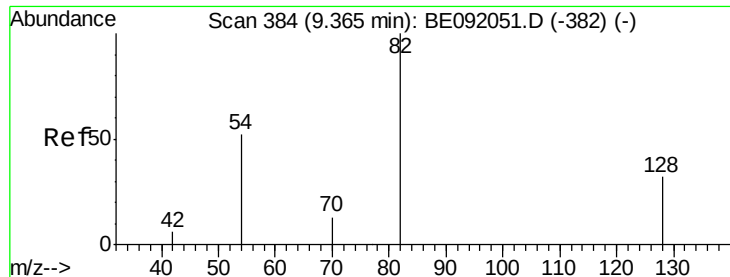
136 100

137 12.0 9.1 13.7

54 2.2 2.7 4.1#

68 1.9 2.2 3.4#





#9

Nitrobenzene-d5

Concen: 5.09 ng

RT: 9.35 min Scan# 383

Delta R.T. -0.02 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

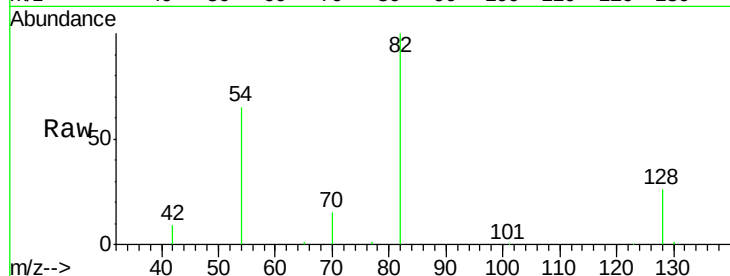
Tgt Ion: 82 Resp: 18450

Ion Ratio Lower Upper

82 100

128 26.3 33.0 49.4#

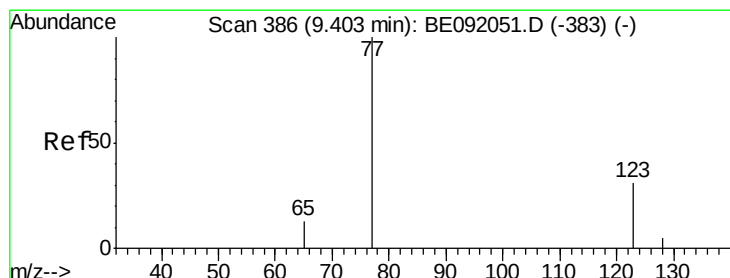
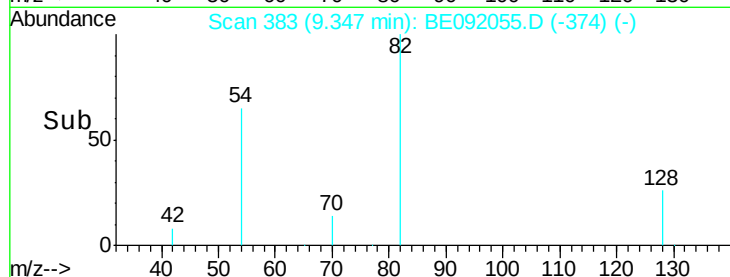
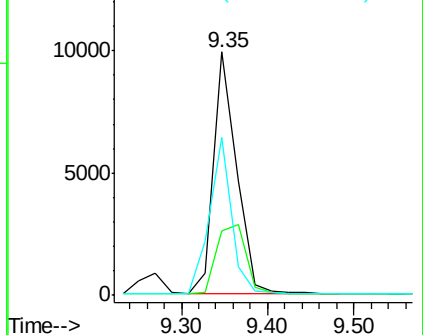
54 64.8 42.6 63.8#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 6.36 ng

RT: 9.39 min Scan# 385

Delta R.T. -0.02 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

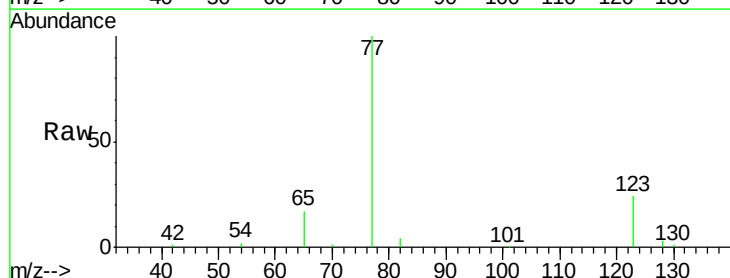
Tgt Ion: 77 Resp: 20477

Ion Ratio Lower Upper

77 100

123 38.0 29.9 44.9

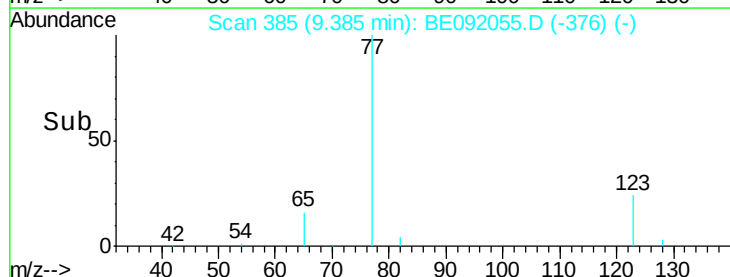
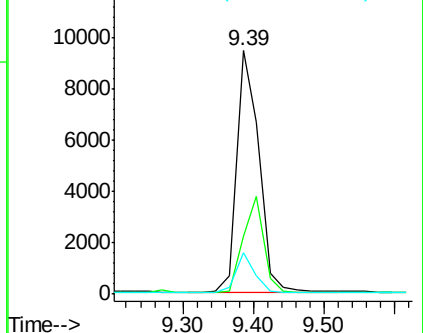
65 14.1 11.4 17.0

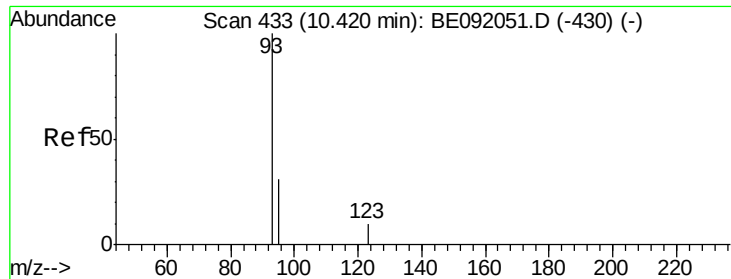


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

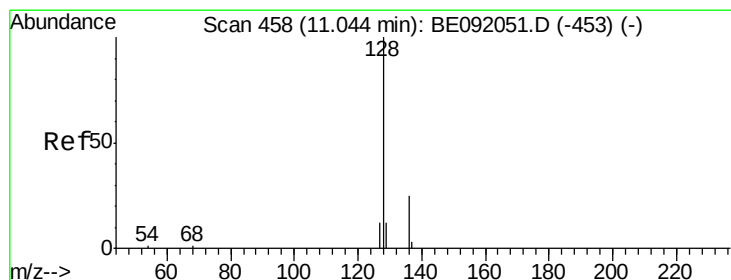
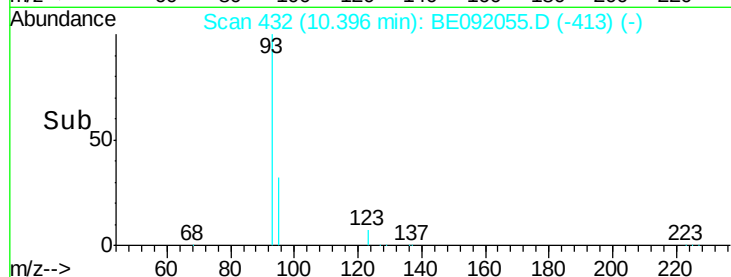
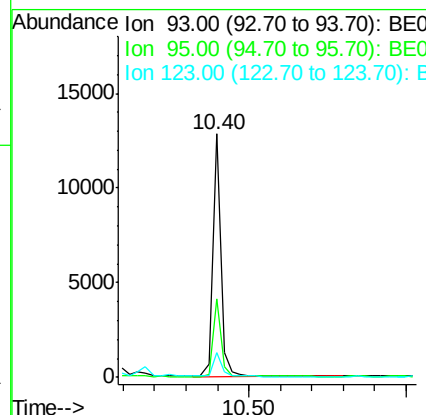
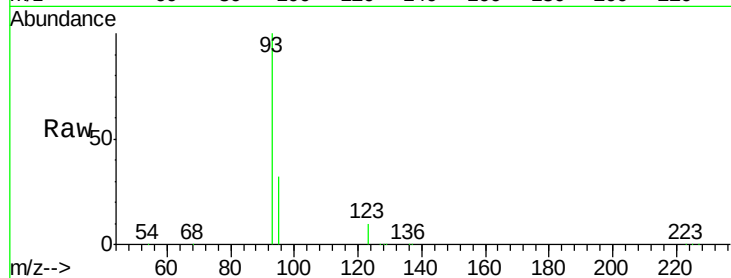




#11
bis(2-Chloroethoxy)methane
Concen: 6.33 ng
RT: 10.40 min Scan# 432
Delta R.T. -0.02 min
Lab File: BE092055.D
Acq: 27 Jul 2016 13:56

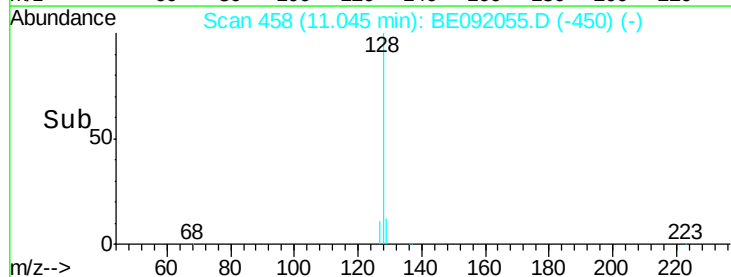
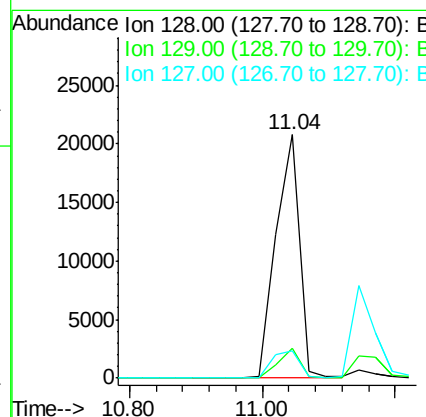
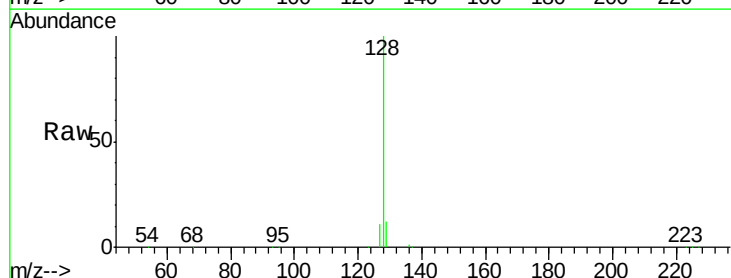
Instrument :
BNA_E
ClientSampleId :
SSTDIC005

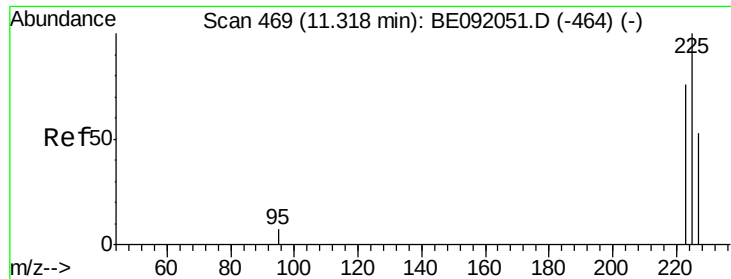
Tgt Ion: 93 Resp: 23378
Ion Ratio Lower Upper
93 100
95 32.3 25.0 37.6
123 9.9 7.8 11.8



#12
Naphthalene
Concen: 4.65 ng
RT: 11.04 min Scan# 458
Delta R.T. 0.00 min
Lab File: BE092055.D
Acq: 27 Jul 2016 13:56

Tgt Ion: 128 Resp: 50447
Ion Ratio Lower Upper
128 100
129 12.4 11.1 16.7
127 11.3 11.3 16.9

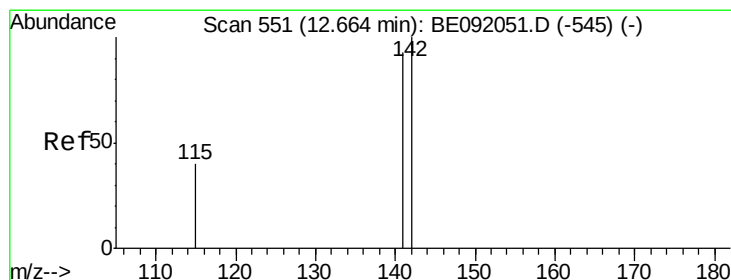
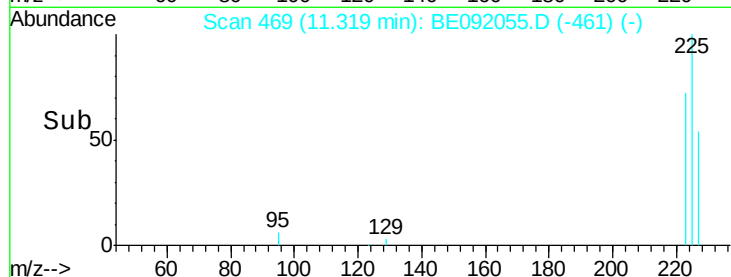
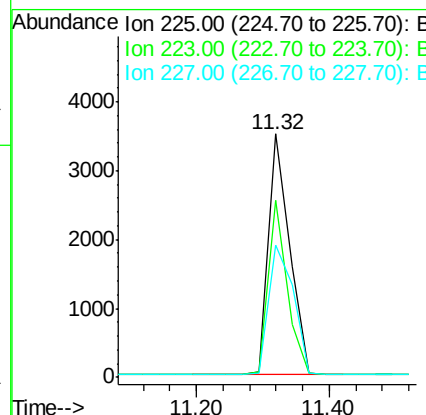
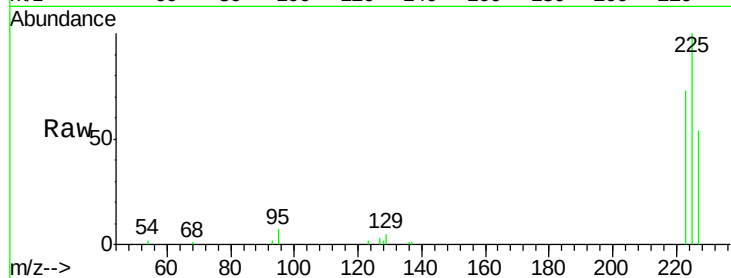




#13
Hexachlorobutadiene
Concen: 4.70 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092055.D
Acq: 27 Jul 2016 13:56

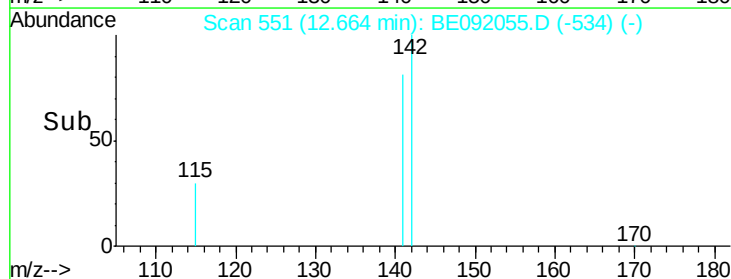
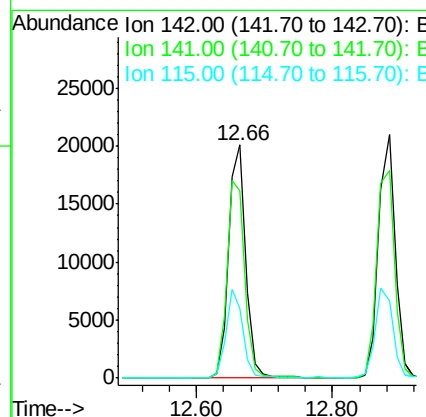
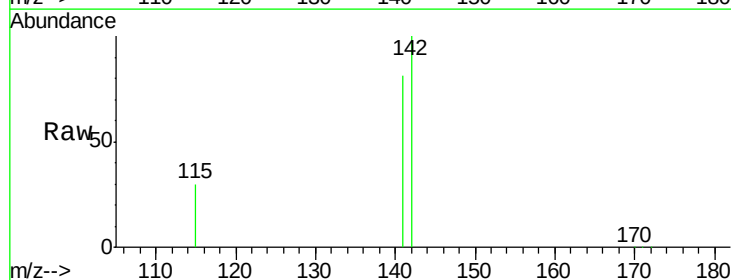
Instrument :
BNA_E
ClientSampleId :
SSTDIC005

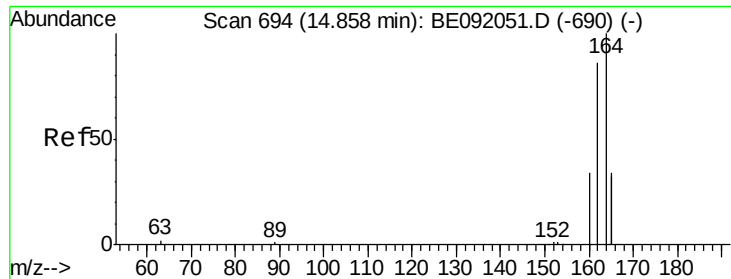
Tgt Ion: 225 Resp: 7665
Ion Ratio Lower Upper
225 100
223 64.4 51.9 77.9
227 62.6 0.0 0.0#



#14
2-Methylnaphthalene
Concen: 5.22 ng
RT: 12.66 min Scan# 551
Delta R.T. -0.00 min
Lab File: BE092055.D
Acq: 27 Jul 2016 13:56

Tgt Ion: 142 Resp: 35465
Ion Ratio Lower Upper
142 100
141 80.6 65.1 97.7
115 29.8 27.0 40.4

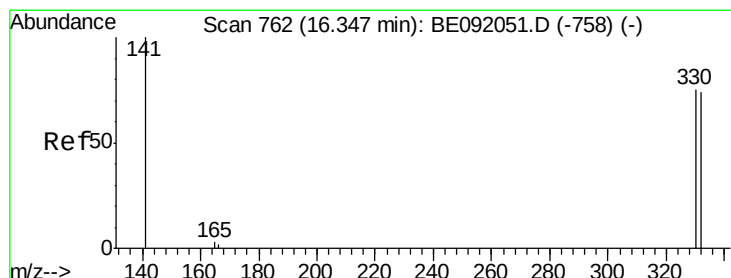
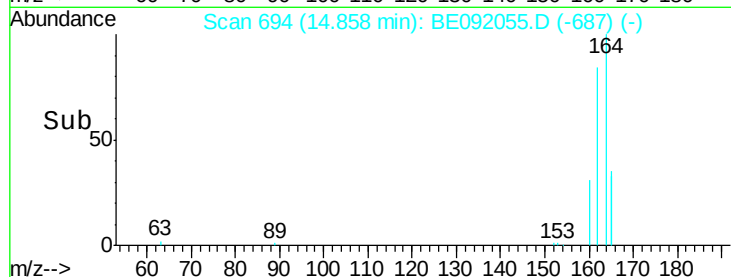
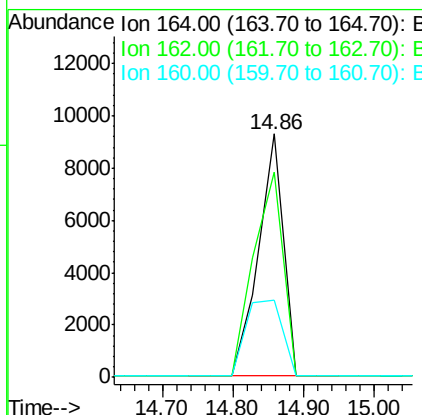
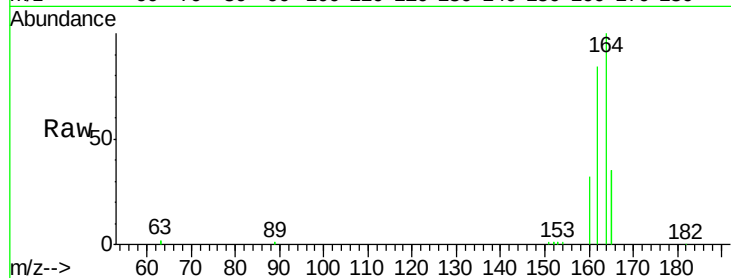




#15
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.86 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: BE092055.D
 Acq: 27 Jul 2016 13:56

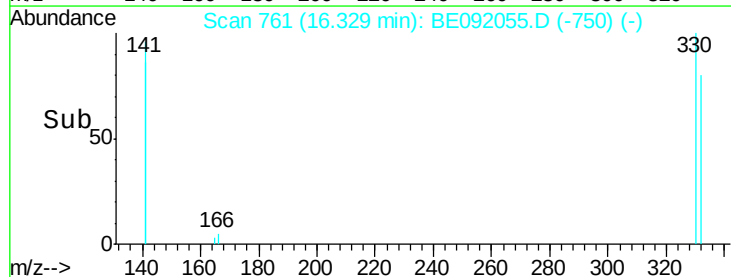
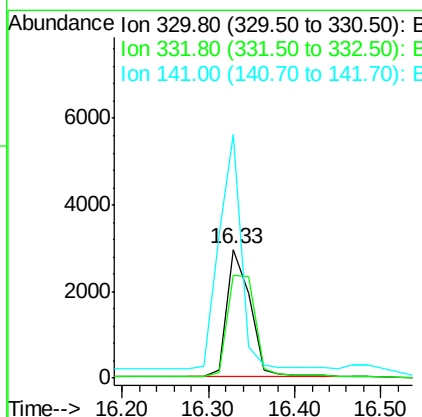
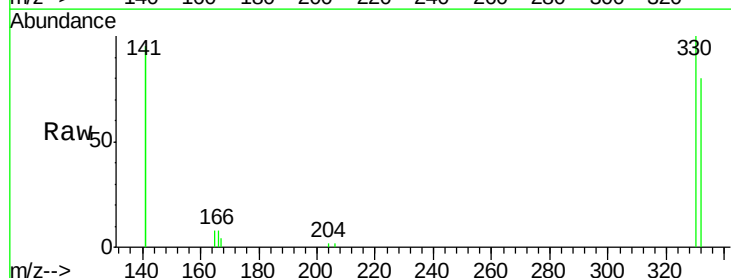
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

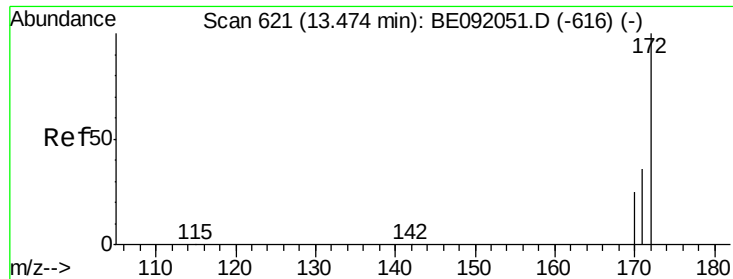
Tgt Ion:164 Resp: 22502
 Ion Ratio Lower Upper
 164 100
 162 84.1 69.5 104.3
 160 31.8 27.6 41.4



#16
 2,4,6-Tribromophenol
 Concen: 7.29 ng
 RT: 16.33 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: BE092055.D
 Acq: 27 Jul 2016 13:56

Tgt Ion:330 Resp: 5398
 Ion Ratio Lower Upper
 330 100
 332 95.8 74.2 111.4
 141 179.8 139.8 209.8

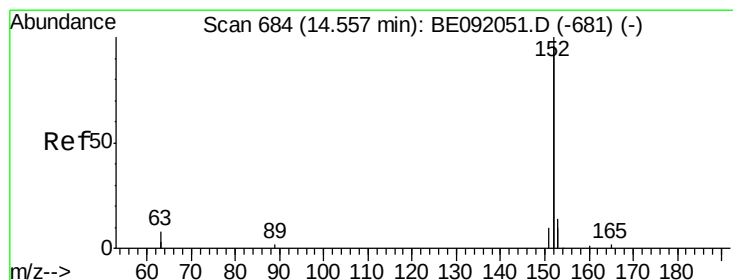
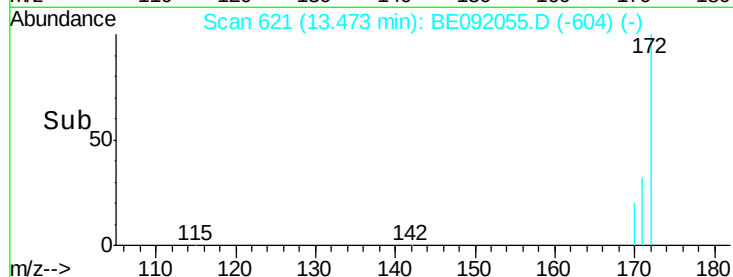
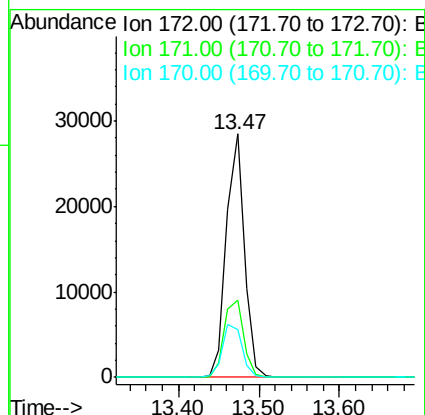
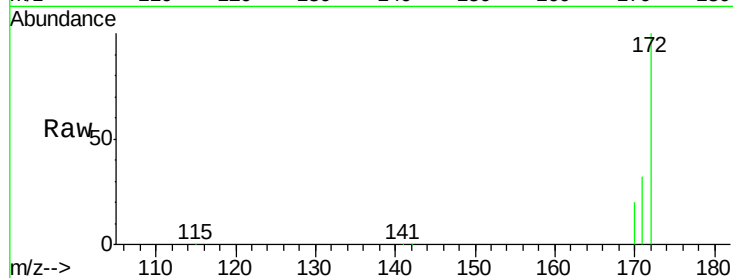




#17
2-Fluorobiphenyl
Concen: 4.77 ng
RT: 13.47 min Scan# 621
Delta R.T. -0.00 min
Lab File: BE092055.D
Acq: 27 Jul 2016 13:56

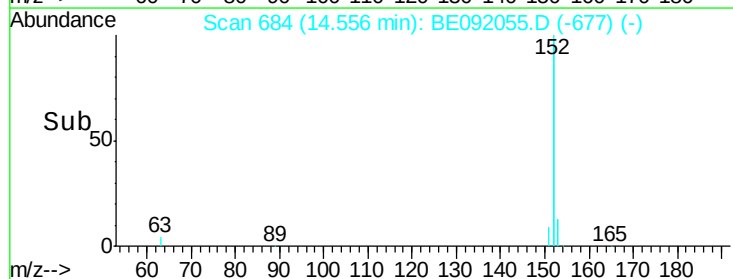
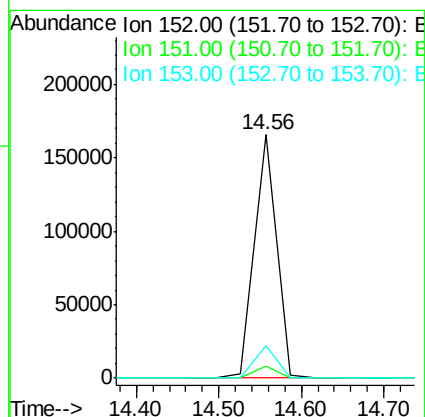
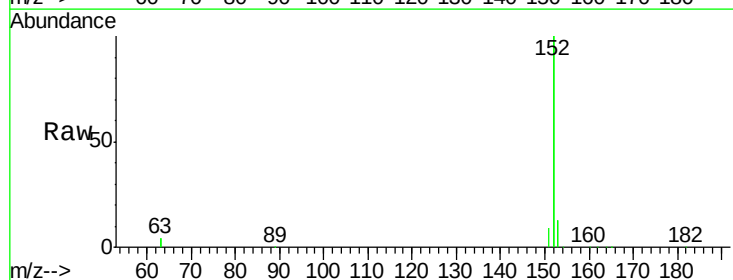
Instrument :
BNA_E
ClientSampleId :
SSTDIC005

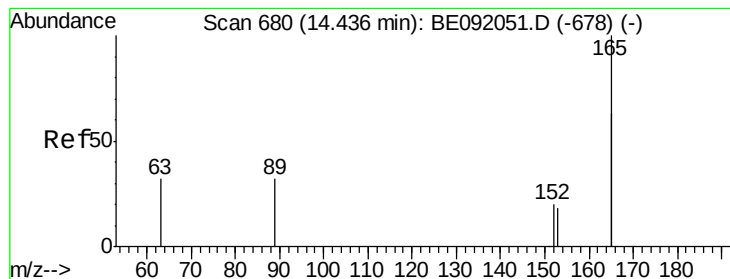
Tgt Ion:172 Resp: 43958
Ion Ratio Lower Upper
172 100
171 31.9 30.3 45.5
170 19.8 21.6 32.4#



#18
Acenaphthylene
Concen: 5.48 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE092055.D
Acq: 27 Jul 2016 13:56

Tgt Ion:152 Resp: 308905
Ion Ratio Lower Upper
152 100
151 4.7 4.0 6.0
153 13.1 9.6 14.4





#19

2,6-Dinitrotoluene

Concen: 6.90 ng

RT: 14.44 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

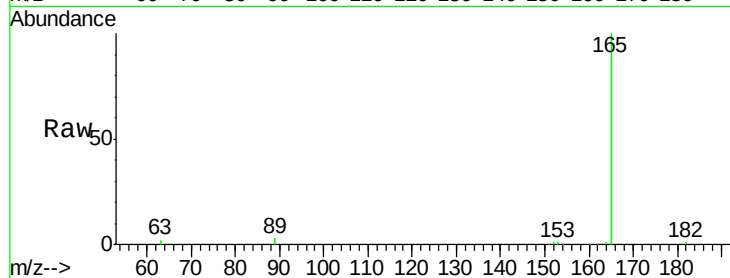
Tgt Ion:165 Resp: 38740

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

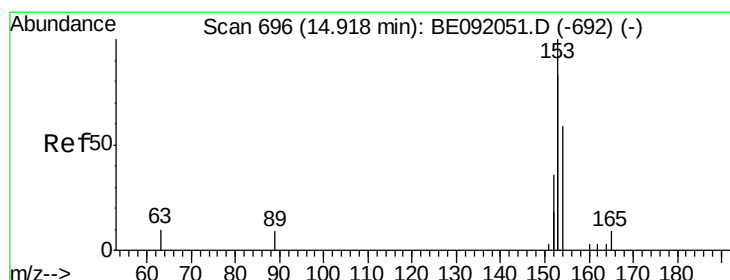
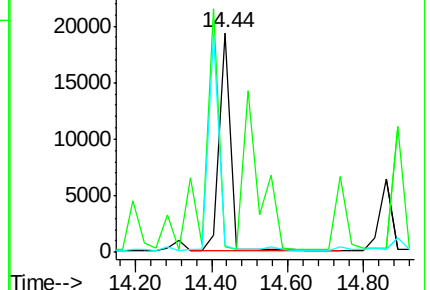
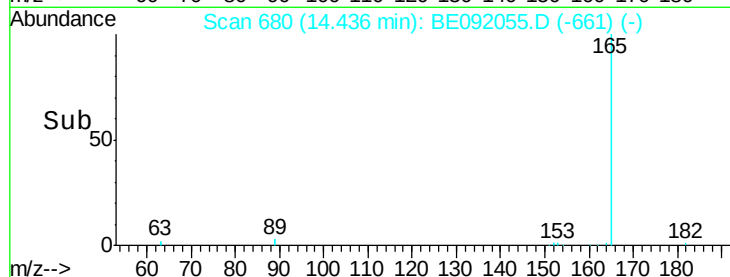
89 0.0 0.0 0.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 4.64 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

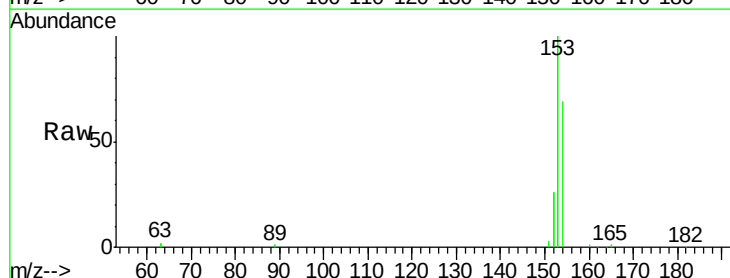
Tgt Ion:154 Resp: 29199

Ion Ratio Lower Upper

154 100

153 0.0 345.1 517.7#

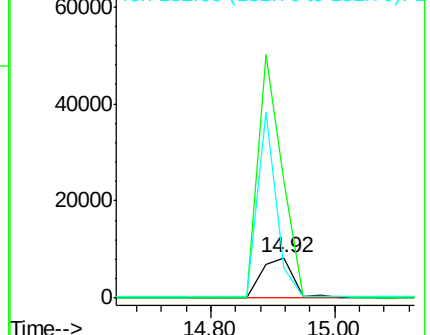
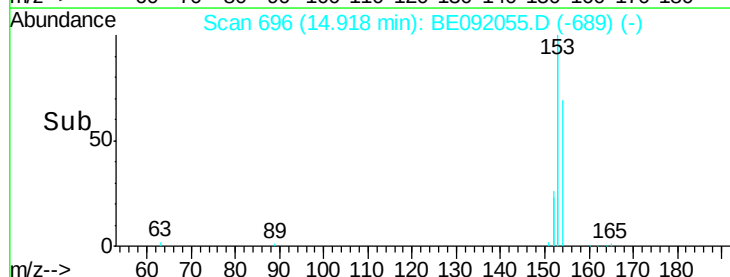
152 0.0 0.0 0.0

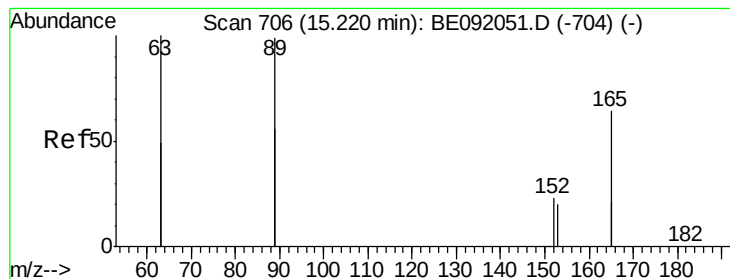


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

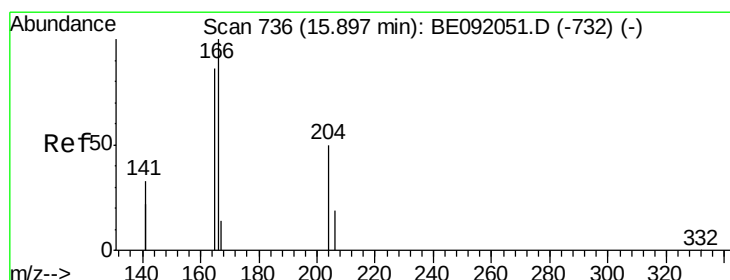
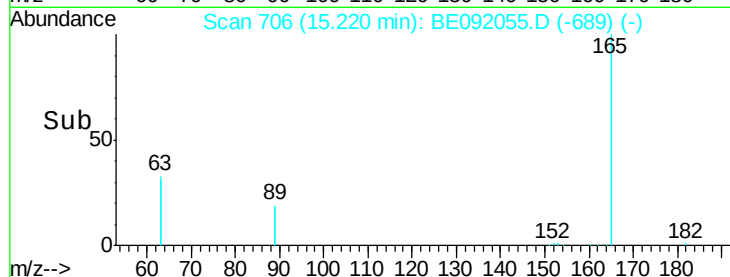
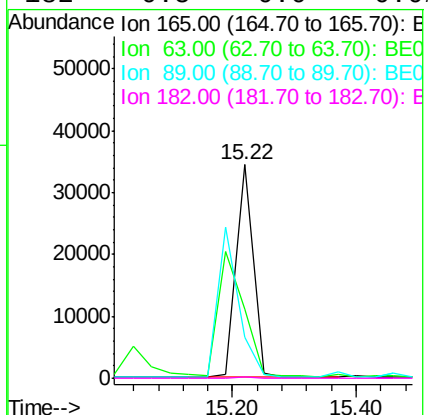
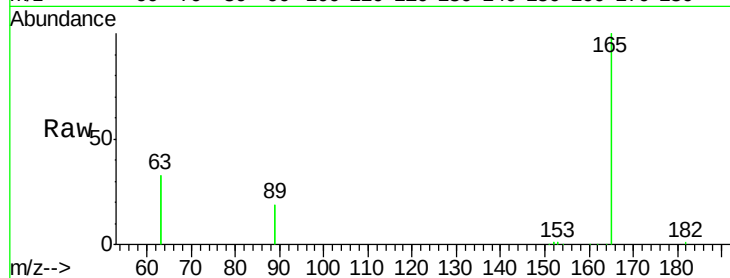




#21
 2,4-Dinitrotoluene
 Concen: 11.06 ng
 RT: 15.22 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: BE092055.D
 Acq: 27 Jul 2016 13:56

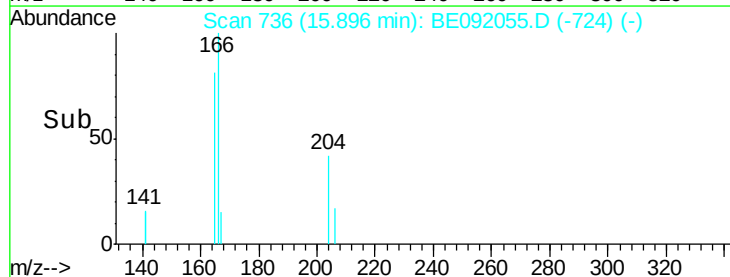
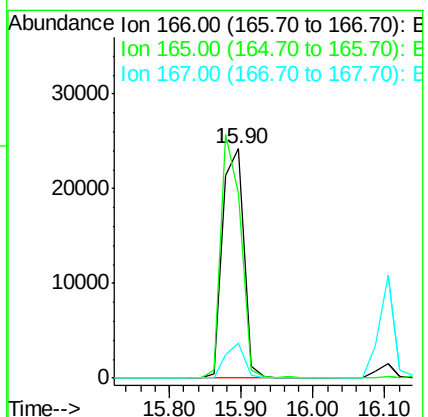
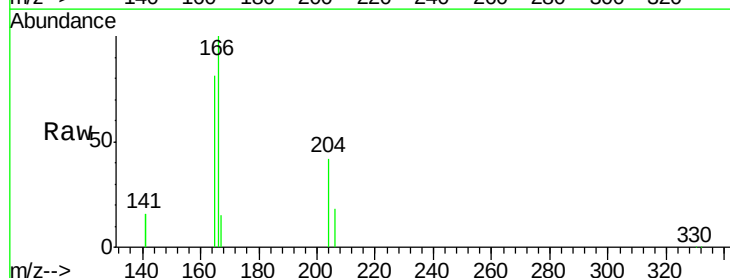
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

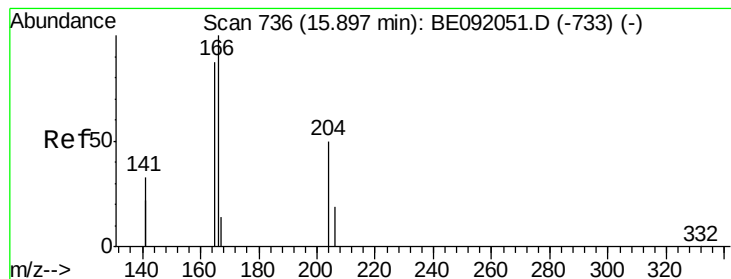
Tgt Ion:165 Resp: 64083
 Ion Ratio Lower Upper
 165 100
 63 0.0 324.0 486.0#
 89 0.0 308.4 462.6#
 182 0.5 0.0 0.0#



#22
 Fluorene
 Concen: 5.06 ng
 RT: 15.90 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BE092055.D
 Acq: 27 Jul 2016 13:56

Tgt Ion:166 Resp: 49137
 Ion Ratio Lower Upper
 166 100
 165 99.3 78.6 118.0
 167 13.5 11.1 16.7





#23

4-Chlorophenyl-phenylether

Concen: 4.70 ng

RT: 15.88 min Scan# 735

Delta R.T. -0.02 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

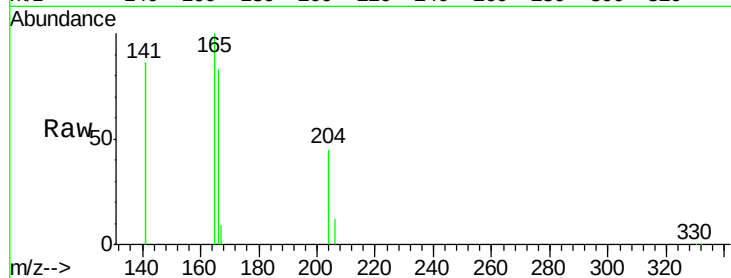
Tgt Ion:204 Resp: 23069

Ion Ratio Lower Upper

204 100

206 34.4 27.0 40.4

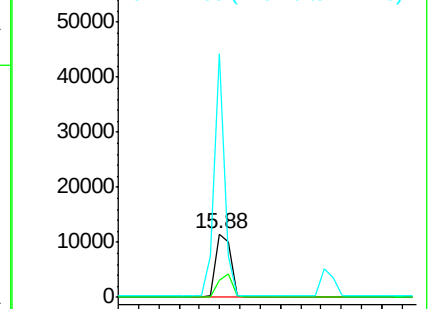
141 265.7 198.5 297.7



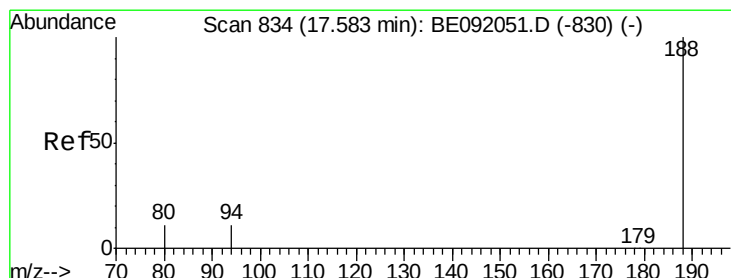
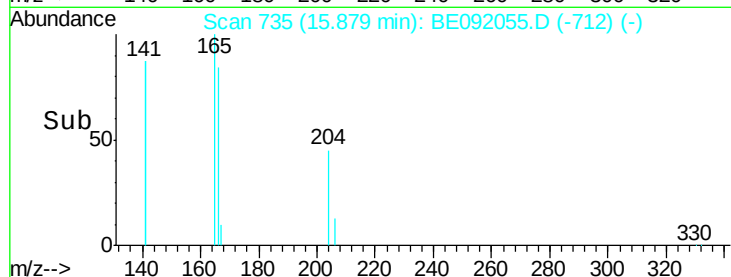
Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 834

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

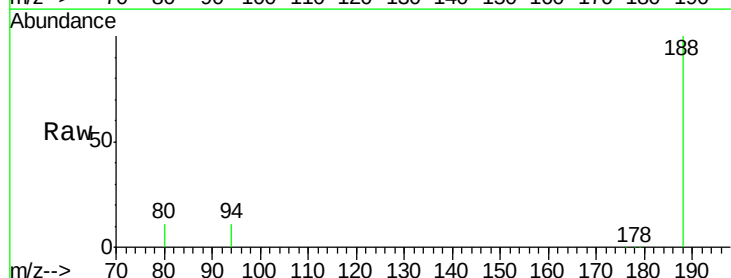
Tgt Ion:188 Resp: 65546

Ion Ratio Lower Upper

188 100

94 10.9 3.9 5.9#

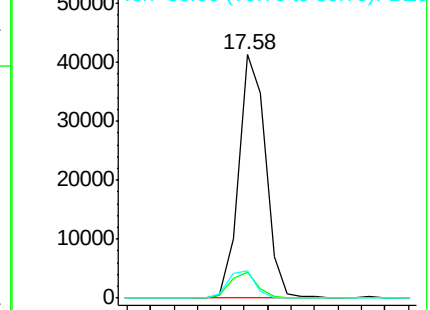
80 11.0 3.4 5.0#



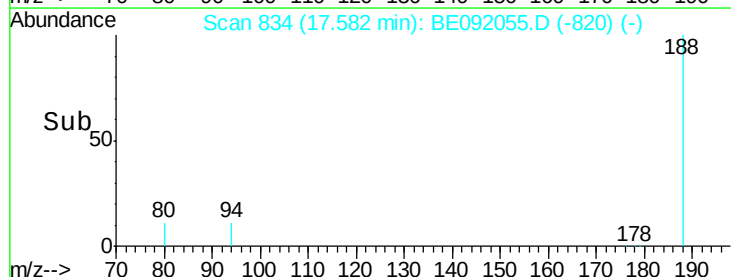
Abundance Ion 188.00 (187.70 to 188.70): E

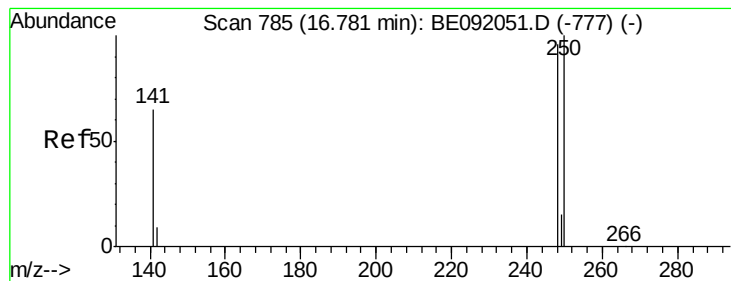
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->





#25

4-Bromophenyl-phenylether

Concen: 5.13 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

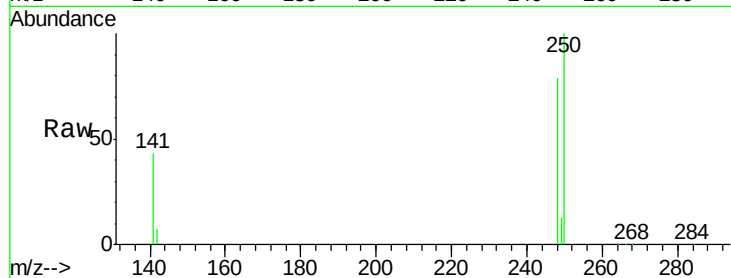
Tgt Ion:248 Resp: 14108

Ion Ratio Lower Upper

248 100

250 96.9 79.6 119.4

141 85.9 68.7 103.1

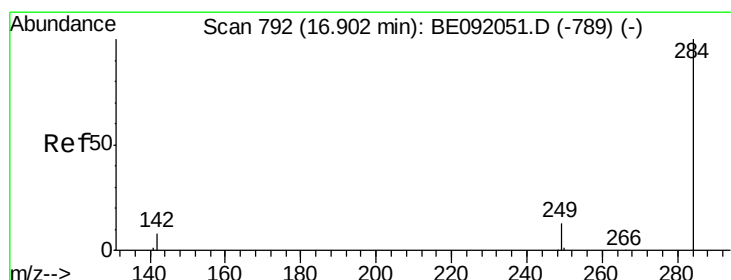
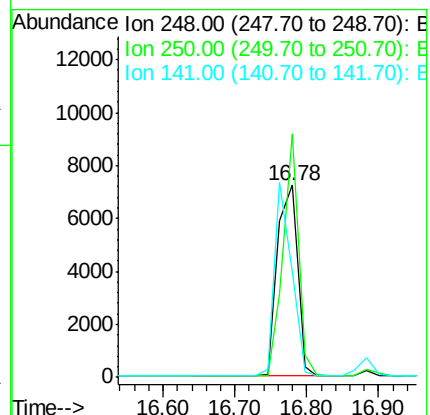
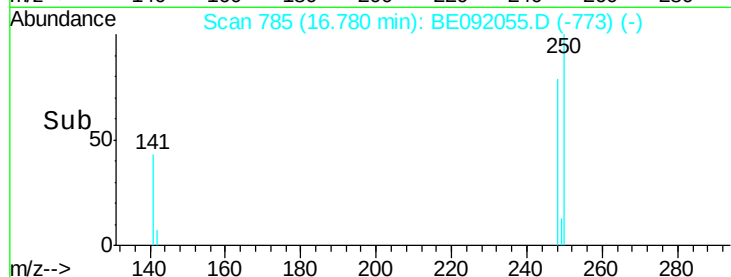


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#26

Hexachlorobenzene

Concen: 4.91 ng

RT: 16.90 min Scan# 792

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

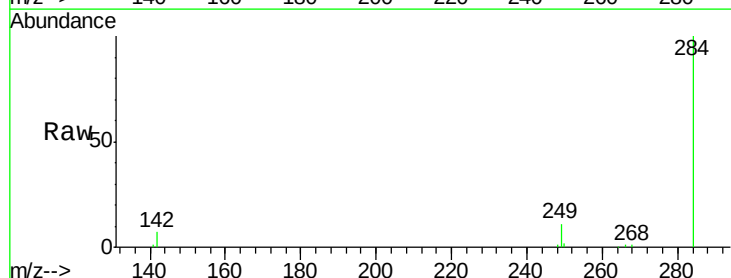
Tgt Ion:284 Resp: 14118

Ion Ratio Lower Upper

284 100

142 42.0 33.3 49.9

249 32.3 25.4 38.0

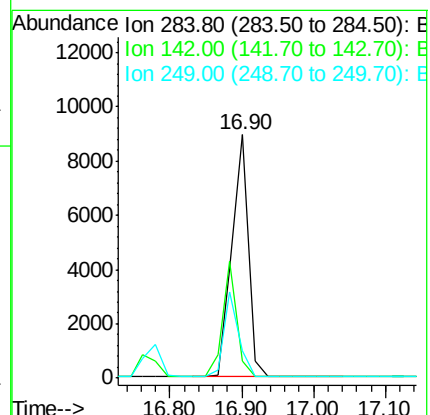
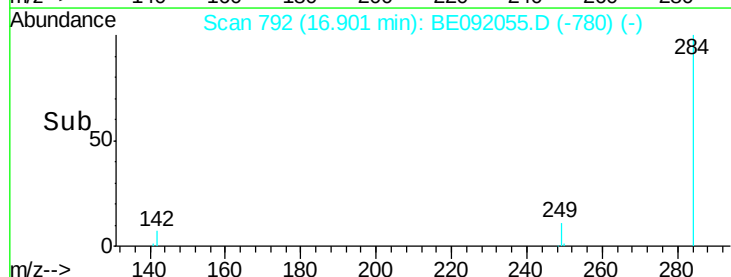


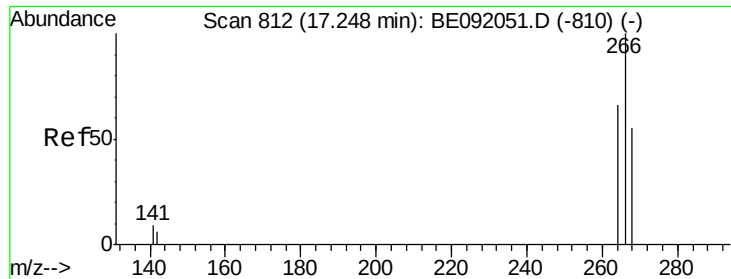
Abundance

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





#27

Pentachlorophenol

Concen: 11.61 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDICC005

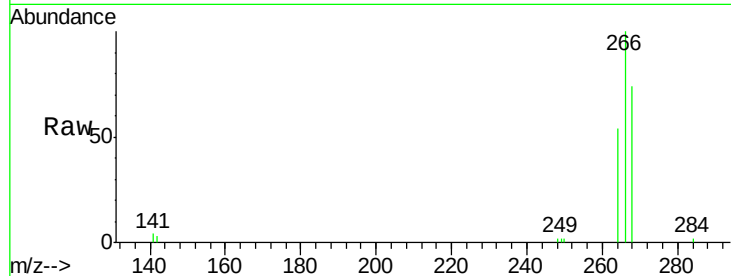
Tgt Ion:266 Resp: 5868

Ion Ratio Lower Upper

266 100

268 74.4 62.7 94.1

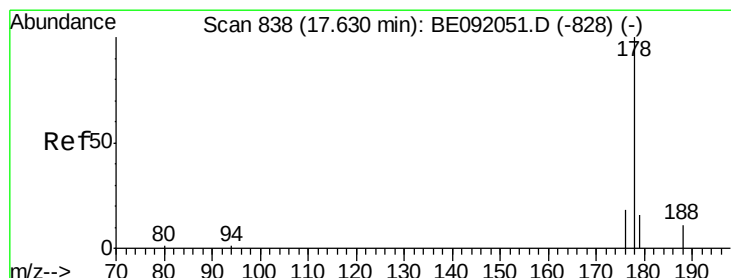
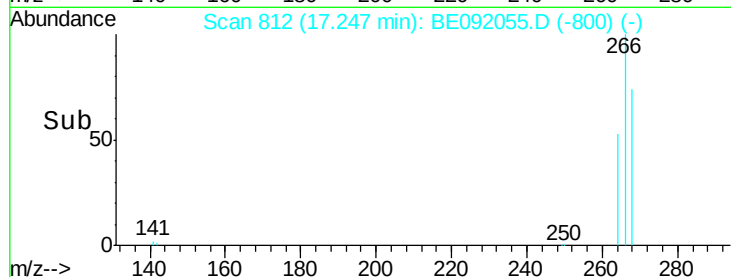
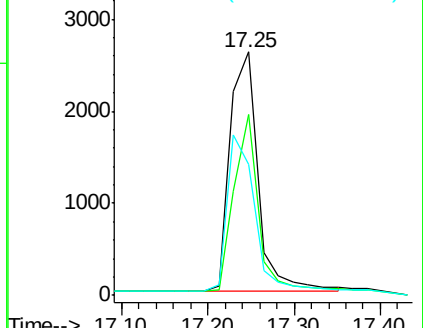
264 53.8 63.5 95.3#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#28

Phenanthrene

Concen: 4.80 ng

RT: 17.63 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

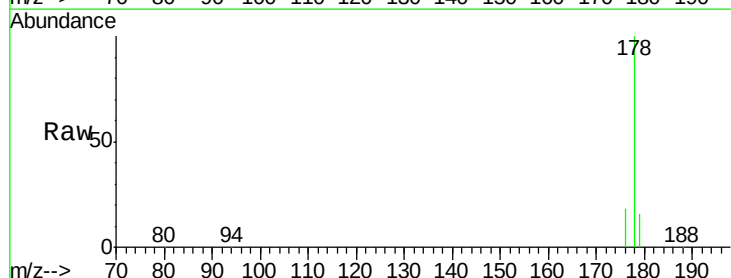
Tgt Ion:178 Resp: 82601

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

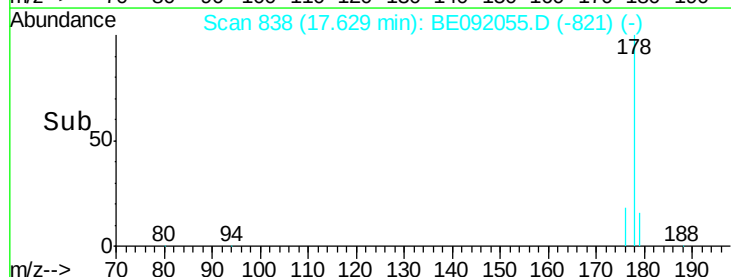
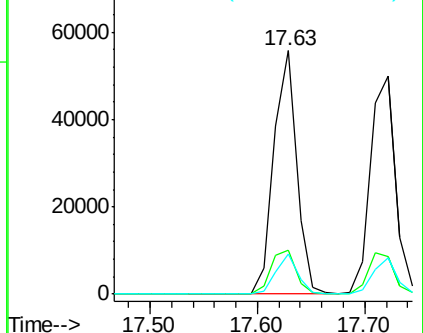
179 15.6 12.7 19.1

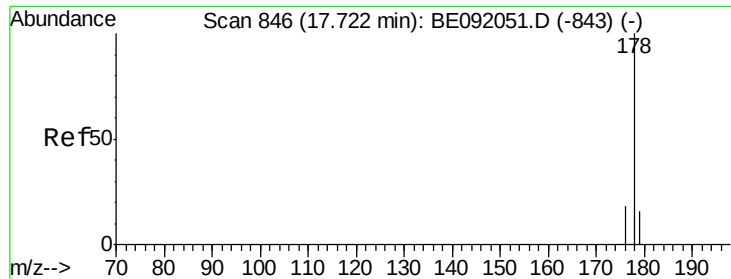


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 5.45 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

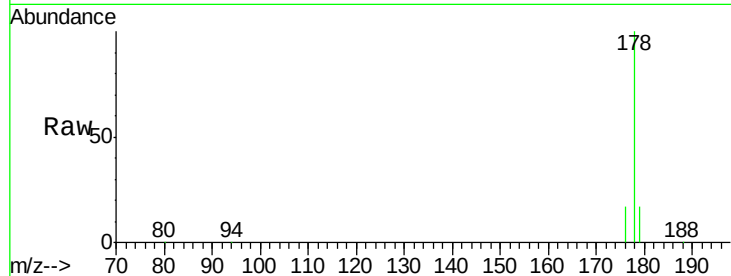
Tgt Ion:178 Resp: 81865

Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

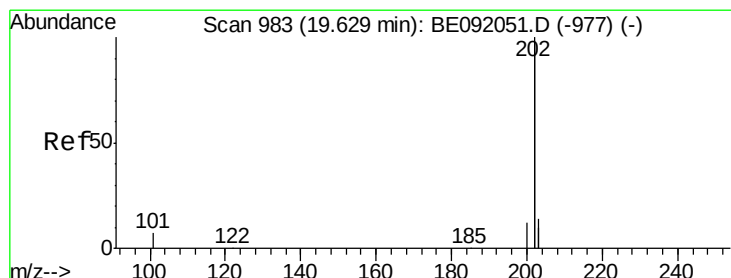
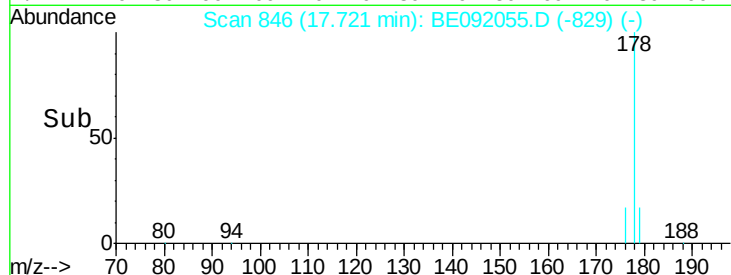
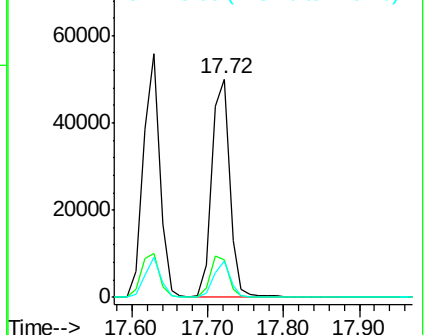
179 15.4 12.2 18.4



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



#30

Fluoranthene

Concen: 5.61 ng

RT: 19.63 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

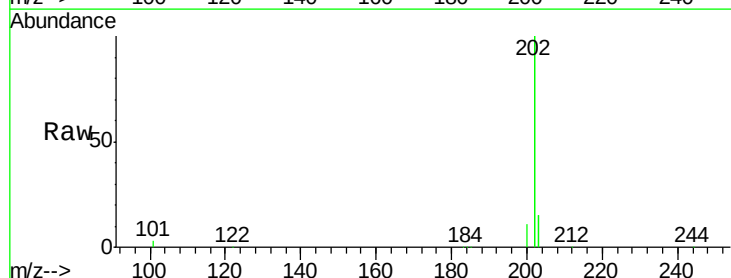
Tgt Ion:202 Resp: 419235

Ion Ratio Lower Upper

202 100

101 2.2 2.2 3.2

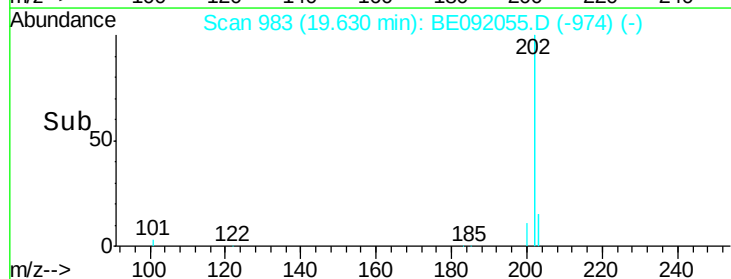
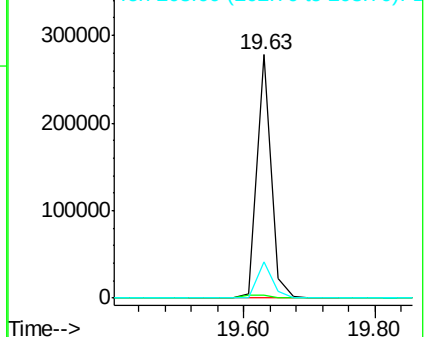
203 16.1 13.0 19.4

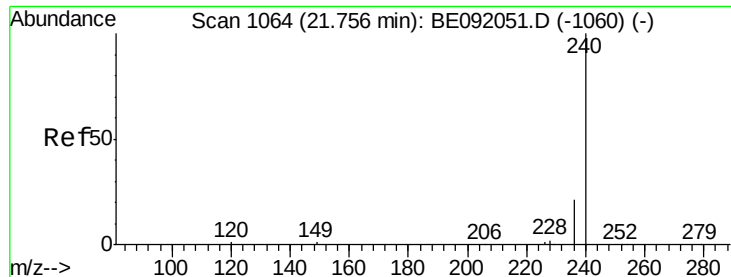


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

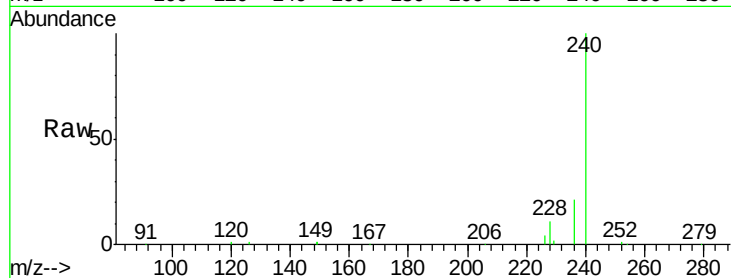
Tgt Ion:240 Resp: 65651

Ion Ratio Lower Upper

240 100

120 0.7 0.6 1.0

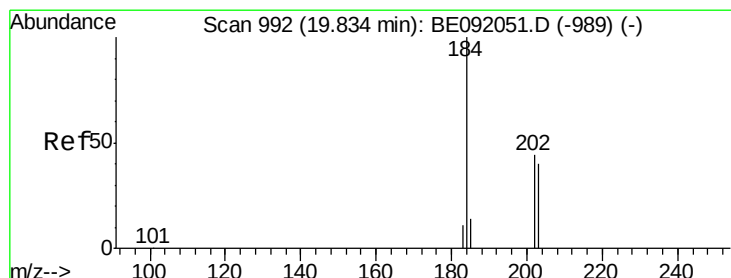
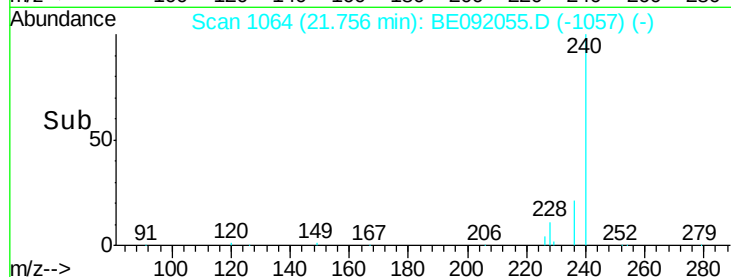
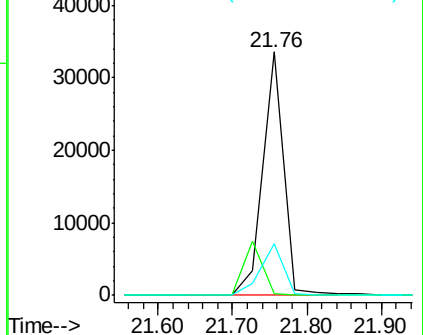
236 21.2 18.2 27.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#32

Benzidine

Concen: 13.25 ng

RT: 19.81 min Scan# 991

Delta R.T. -0.02 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

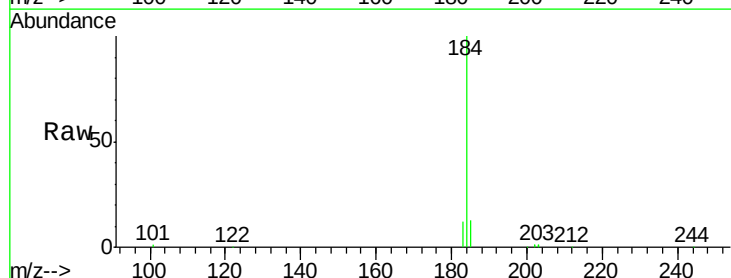
Tgt Ion:184 Resp: 33991

Ion Ratio Lower Upper

184 100

185 12.8 23.8 35.6#

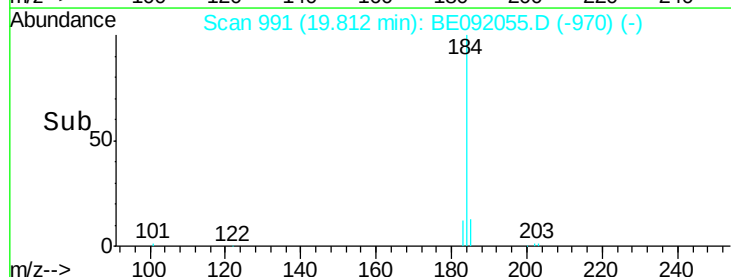
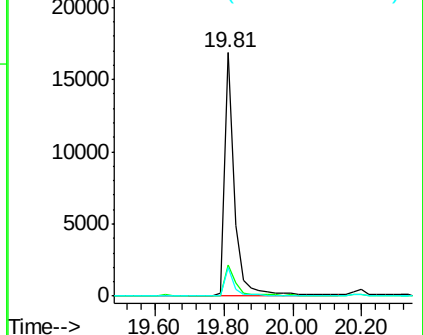
183 11.9 20.7 31.1#

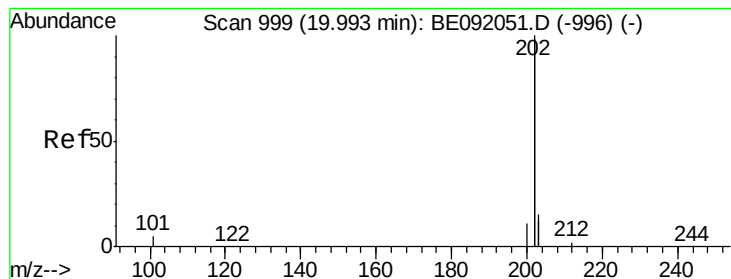


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 5.31 ng

RT: 19.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

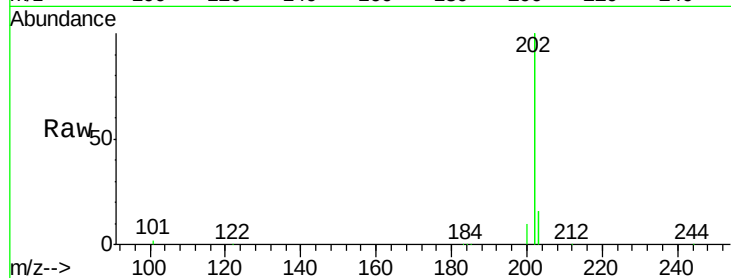
Tgt Ion:202 Resp: 437040

Ion Ratio Lower Upper

202 100

200 5.2 4.4 6.6

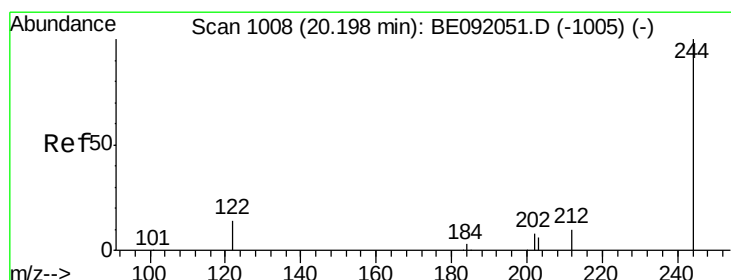
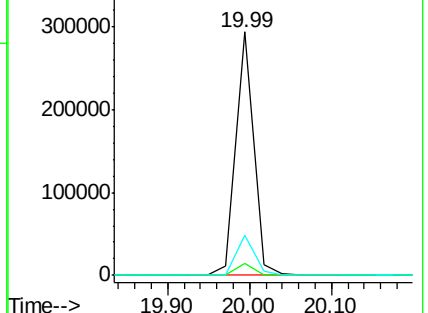
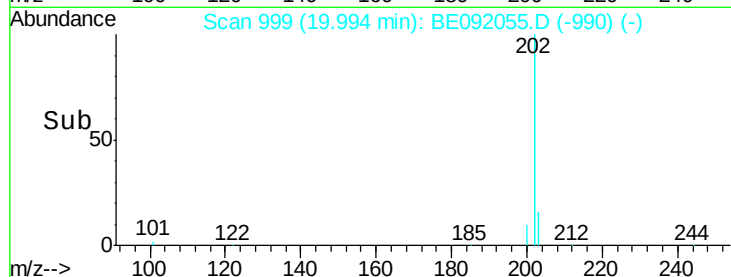
203 16.8 13.4 20.0



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



#34

Terphenyl-d14

Concen: 4.83 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

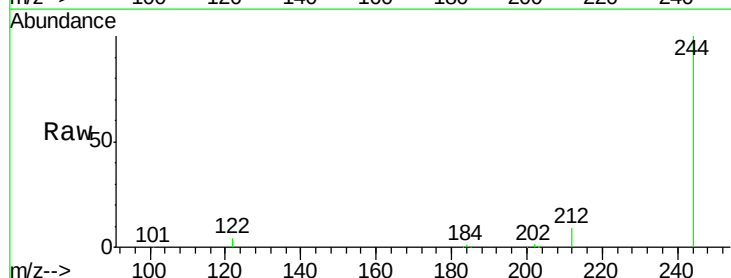
Tgt Ion:244 Resp: 62690

Ion Ratio Lower Upper

244 100

212 9.4 9.1 13.7

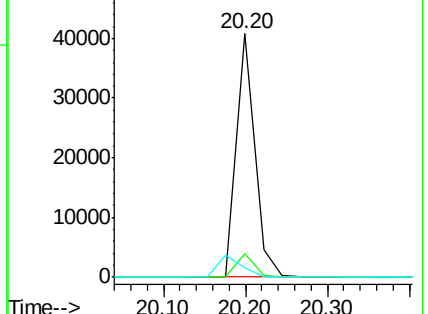
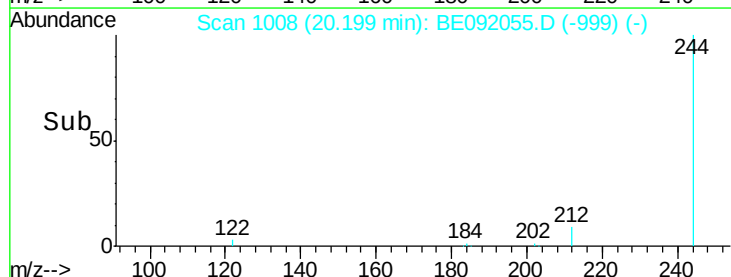
122 3.7 11.0 16.4#

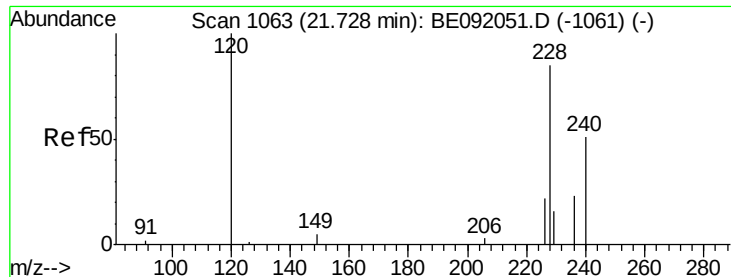


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 6.85 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

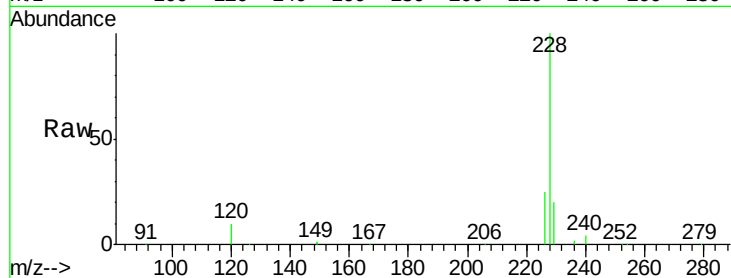
Tgt Ion:228 Resp: 244061

Ion Ratio Lower Upper

228 100

226 25.0 22.1 33.1

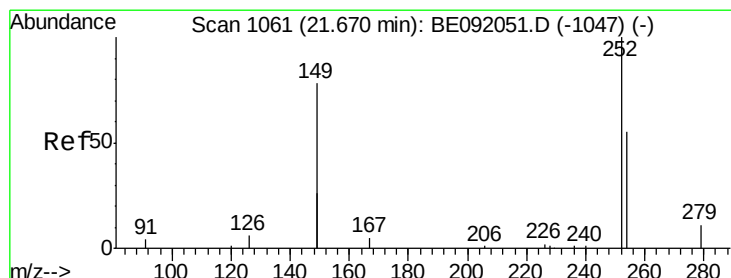
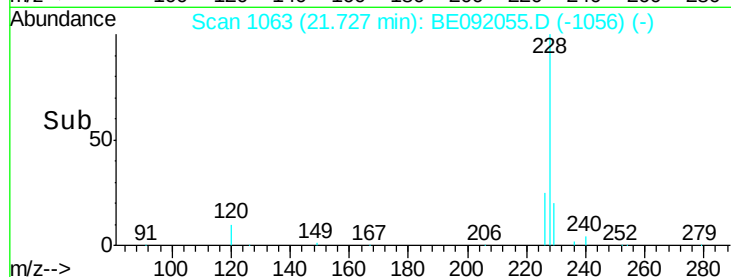
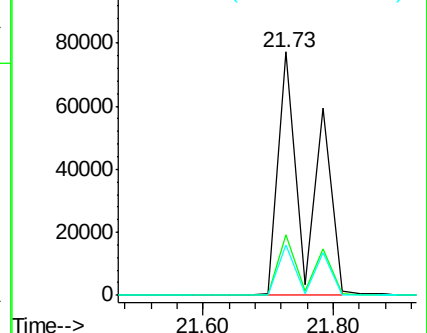
229 20.5 15.1 22.7



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



#36

3,3'-Dichlorobenzidine

Concen: 10.36 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

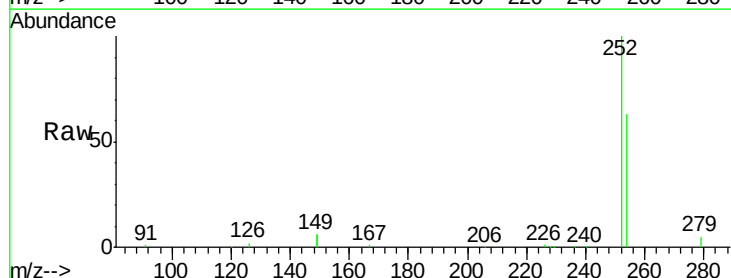
Tgt Ion:252 Resp: 44721

Ion Ratio Lower Upper

252 100

254 62.6 44.2 66.2

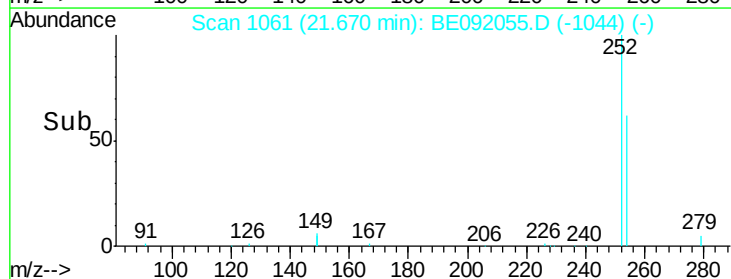
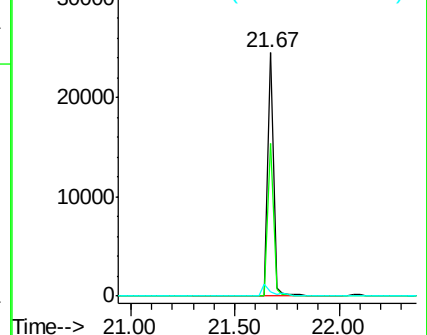
126 1.6 10.6 15.8#

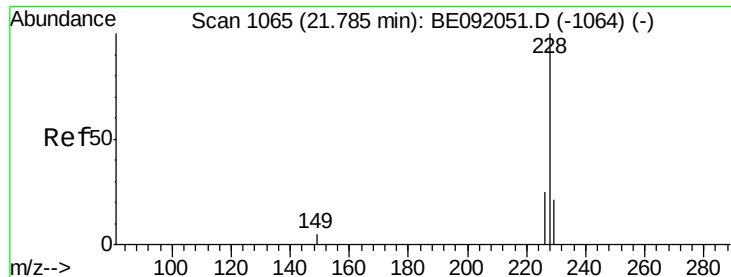


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 6.74 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

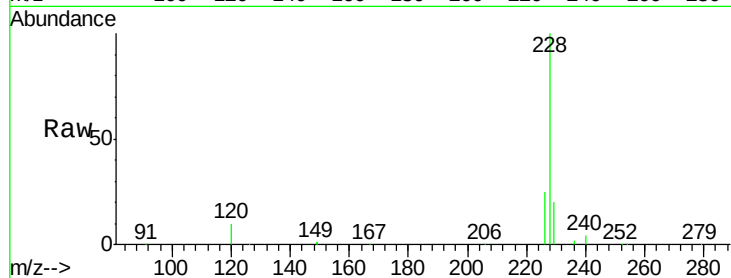
Tgt Ion:228 Resp: 245435

Ion Ratio Lower Upper

228 100

226 25.0 22.3 33.5

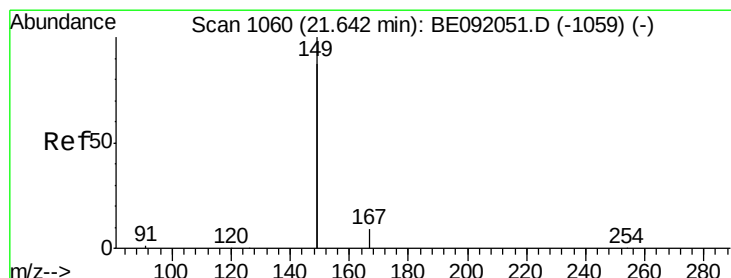
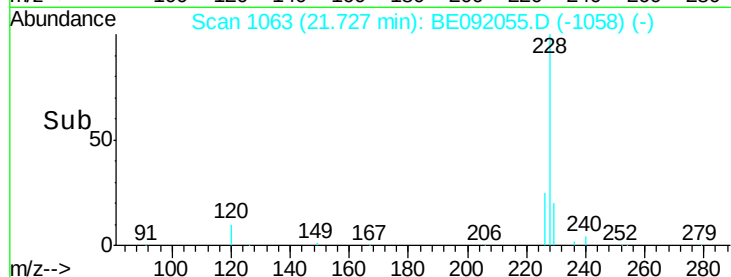
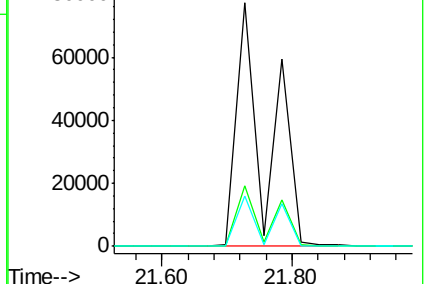
229 20.5 16.9 25.3



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



#38

Bis(2-ethylhexyl)phthalate

Concen: 4.54 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

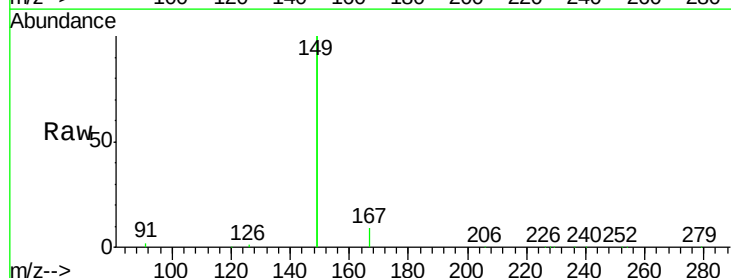
Tgt Ion:149 Resp: 329151

Ion Ratio Lower Upper

149 100

167 4.8 3.8 5.6

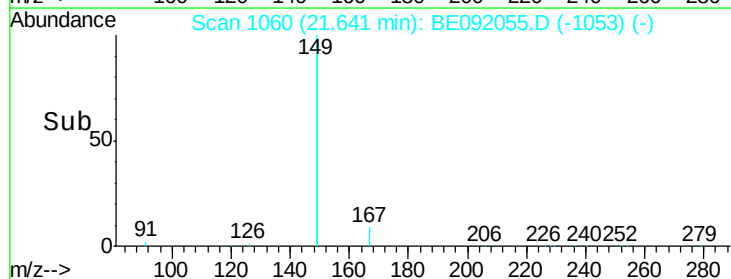
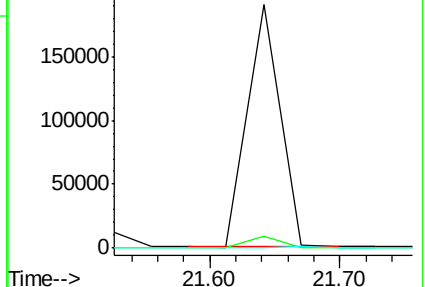
279 0.0 0.0 0.0

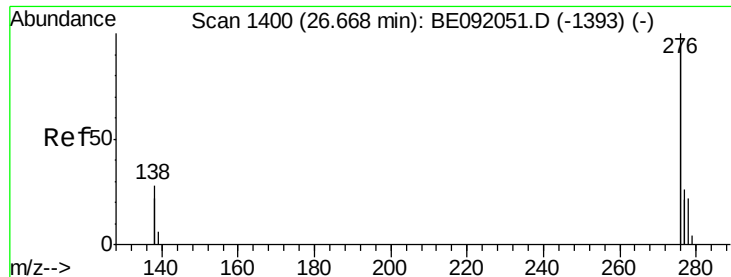


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 5.37 ng

RT: 26.65 min Scan# 1399

Delta R.T. -0.02 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

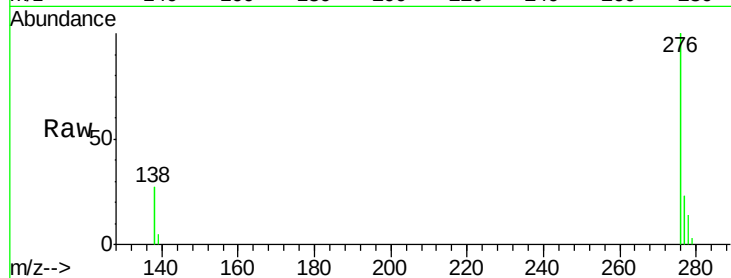
Tgt Ion:276 Resp: 398585

Ion Ratio Lower Upper

276 100

138 27.3 21.2 31.8

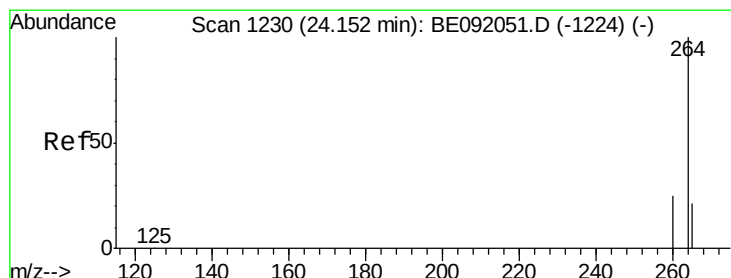
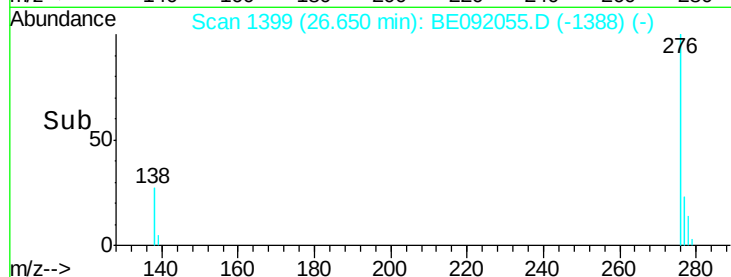
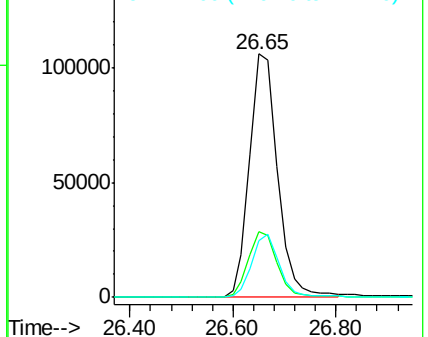
277 24.9 19.8 29.8



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



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.15 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

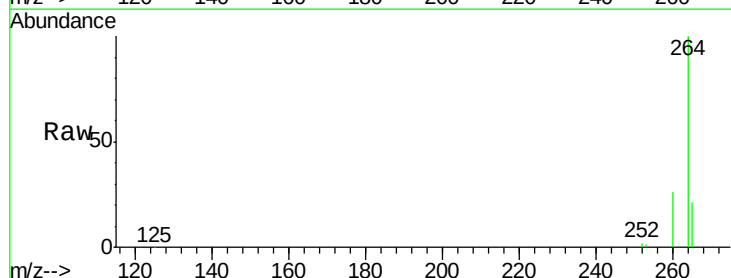
Tgt Ion:264 Resp: 67519

Ion Ratio Lower Upper

264 100

260 25.5 20.8 31.2

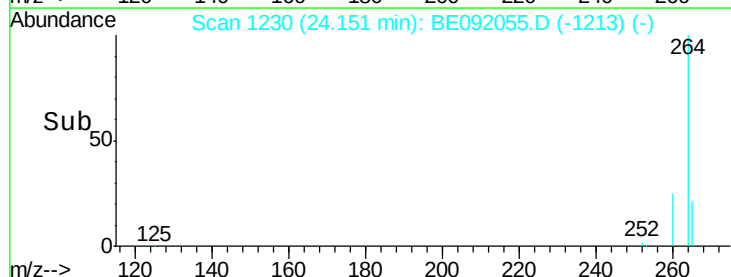
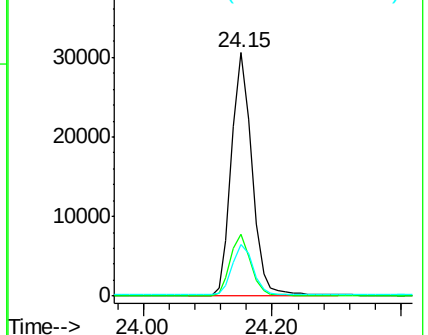
265 21.4 16.6 25.0

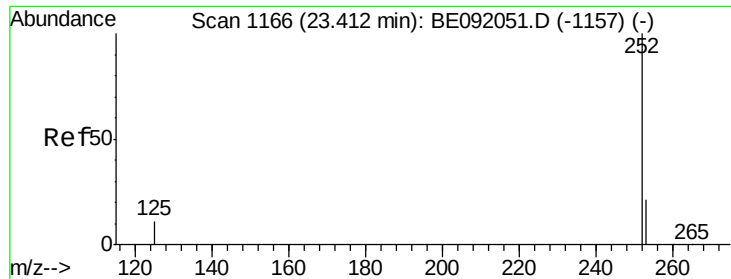


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 3.53 ng

RT: 23.41 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

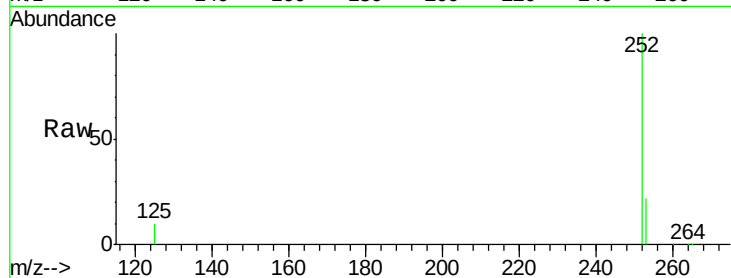
Tgt Ion:252 Resp: 94588

Ion Ratio Lower Upper

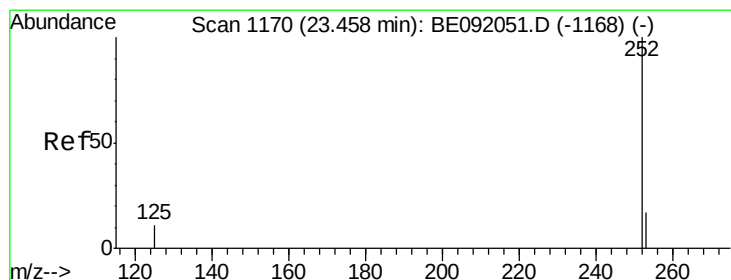
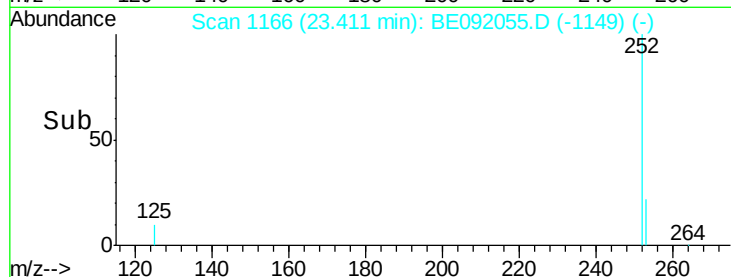
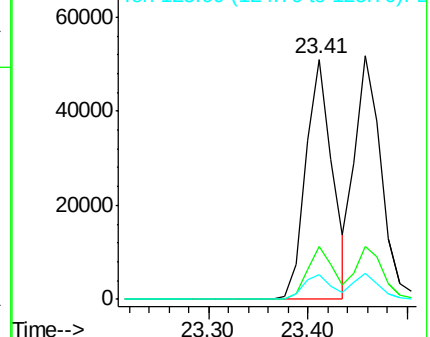
252 100

253 22.0 17.4 26.0

125 10.2 10.2 15.2



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



#42

Benzo(k)fluoranthene

Concen: 3.69 ng

RT: 23.46 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

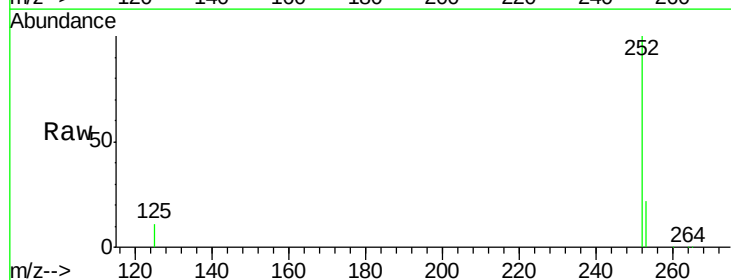
Tgt Ion:252 Resp: 95700

Ion Ratio Lower Upper

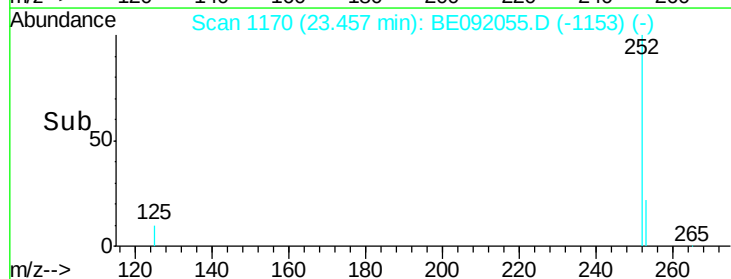
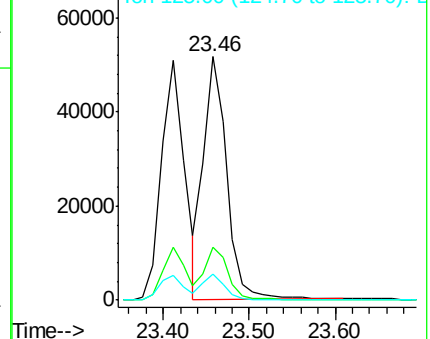
252 100

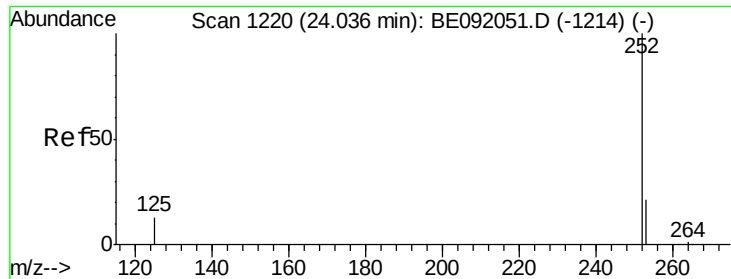
253 21.7 19.4 29.0

125 10.6 8.9 13.3



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





#43

Benzo(a)pyrene

Concen: 4.58 ng

RT: 24.04 min Scan# 1220

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

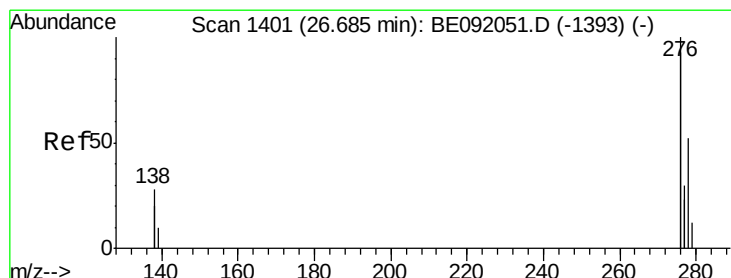
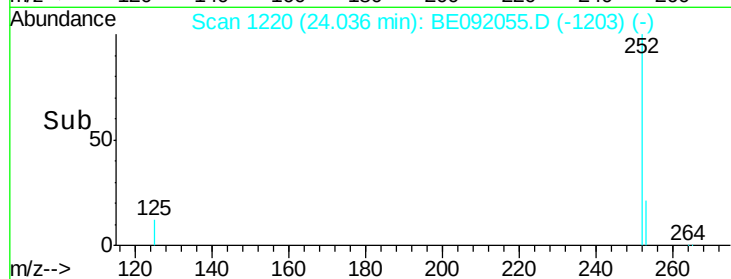
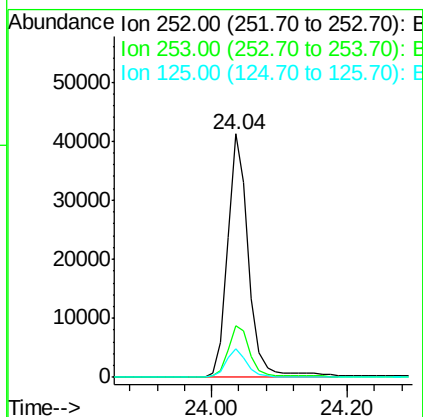
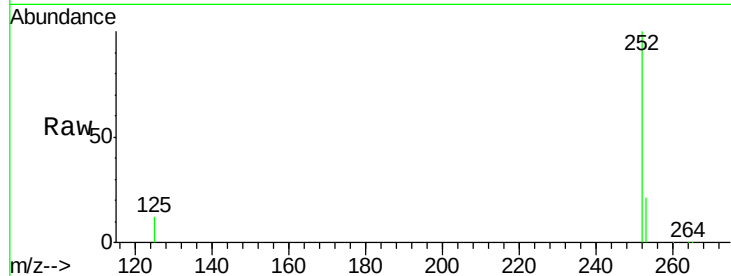
Tgt Ion: 252 Resp: 88533

Ion Ratio Lower Upper

252 100

253 21.4 19.8 29.8

125 11.8 10.4 15.6



#44

Dibenzo(a,h)anthracene

Concen: 5.69 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BE092055.D

Acq: 27 Jul 2016 13:56

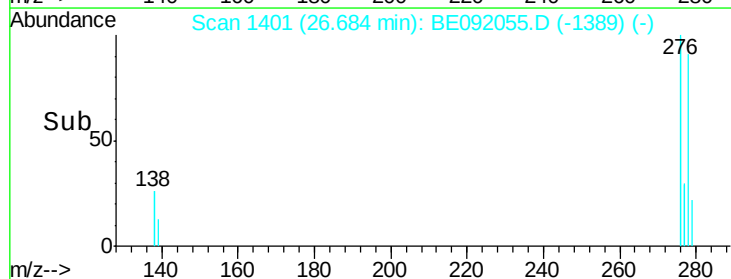
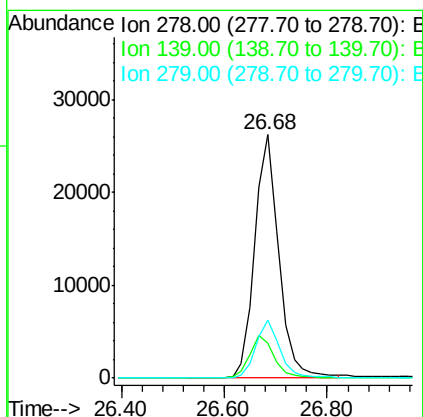
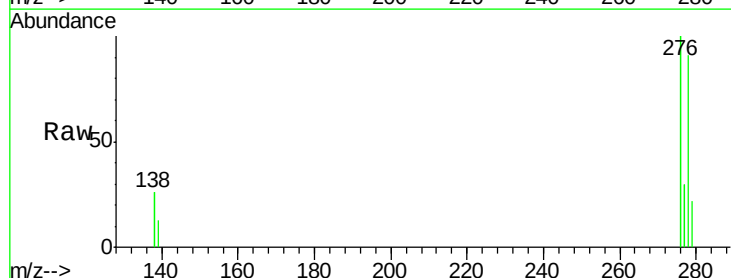
Tgt Ion: 278 Resp: 83622

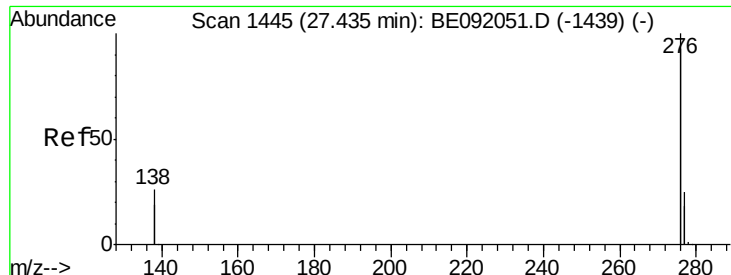
Ion Ratio Lower Upper

278 100

139 14.6 16.7 25.1#

279 23.8 20.3 30.5





#45

Benzo(g,h,i)perylene

Concen: 5.44 ng

RT: 27.43 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE092055.D

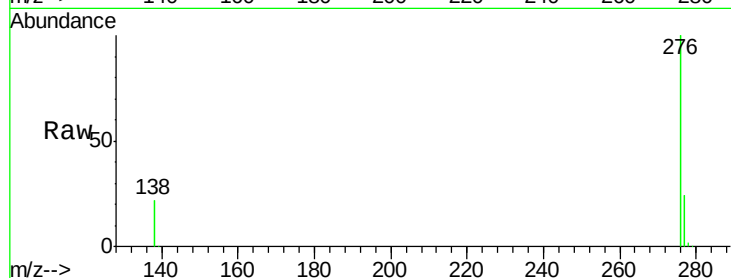
Acq: 27 Jul 2016 13:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005



Tgt Ion: 276 Resp: 337489

Ion Ratio Lower Upper

276 100

277 23.9 19.5 29.3

138 21.9 20.8 31.2

