

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072716\
 Data File : BE092048.D
 Acq On : 27 Jul 2016 9:10
 Operator : UM/SJ
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Jul 27 15:23:47 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 15:03:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	9805	5.00	ng	-0.02
8) Naphthalene-d8	10.99	136	43525	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	18298	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	62399	5.00	ng	0.00
31) Chrysene-d12	21.76	240	62791	5.00	ng	0.00
40) Perylene-d12	24.15	264	70915	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	805	0.37	ng	0.00
5) Phenol-d6	7.35	99	1098	0.36	ng	0.00
9) Nitrobenzene-d5	9.36	82	1258	0.38	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	244	0.35	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	3035	0.42	ng	0.00
34) Terphenyl-d14	20.20	244	4565	0.38	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.45	88	523	0.38	ng	# 90
3) n-Nitrosodimethylamine	3.82	42	601	0.36	ng	97
6) bis(2-Chloroethyl)ether	7.61	93	1054	0.37	ng	95
7) n-Nitroso-di-n-propylamine	9.00	70	837	0.35	ng	96
10) Nitrobenzene	9.40	77	1139	0.36	ng	100
11) bis(2-Chloroethoxy)methane	10.42	93	1352	0.37	ng	# 68
12) Naphthalene	11.04	128	3822	0.40	ng	99
13) Hexachlorobutadiene	11.32	225	581	0.40	ng	# 96
14) 2-Methylnaphthalene	12.66	142	2369	0.38	ng	# 86
18) Acenaphthylene	14.56	152	18821	0.40	ng	98
19) 2,6-Dinitrotoluene	14.44	165	1849	0.35	ng	# 100
20) Acenaphthene	14.92	154	2052	0.42	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	4890	0.72	ng	# 1
22) Fluorene	15.90	166	3224	0.41	ng	98
23) 4-Chlorophenyl-phenylether	15.90	204	1630	0.42	ng	# 61
25) 4-Bromophenyl-phenylether	16.78	248	951	0.37	ng	98
26) Hexachlorobenzene	16.90	284	1037	0.39	ng	99
27) Pentachlorophenol	17.25	266	194	0.26	ng	98
28) Phenanthrene	17.63	178	6240	0.39	ng	100
29) Anthracene	17.72	178	5422	0.37	ng	100
30) Fluoranthene	19.63	202	27210	0.37	ng	100
32) Benzidine	19.83	184	914	0.23	ng	94
33) Pyrene	19.99	202	31916	0.40	ng	99
35) Benzo(a)anthracene	21.73	228	21471	0.70	ng	97
36) 3,3'-Dichlorobenzidine	21.67	252	1718	0.31	ng	# 94
37) Chrysene	21.73	228	21746	0.75	ng	98
38) Bis(2-ethylhexyl)phthalate	21.64	149	25455	0.39	ng	# 98
39) Indeno(1,2,3-cd)pyrene	26.67	276	29053	0.40	ng	100
41) Benzo(b)fluoranthene	23.41	252	8370	0.34	ng	98
42) Benzo(k)fluoranthene	23.46	252	8761	0.36	ng	96
43) Benzo(a)pyrene	24.04	252	7161	0.37	ng	96
44) Dibenzo(a,h)anthracene	26.68	278	5919	0.37	ng	97
45) Benzo(g,h,i)perylene	27.43	276	24509	0.37	ng	98

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QLast Update : Wed Jul 27 15:03:22 2016
Response via : Initial Calibration

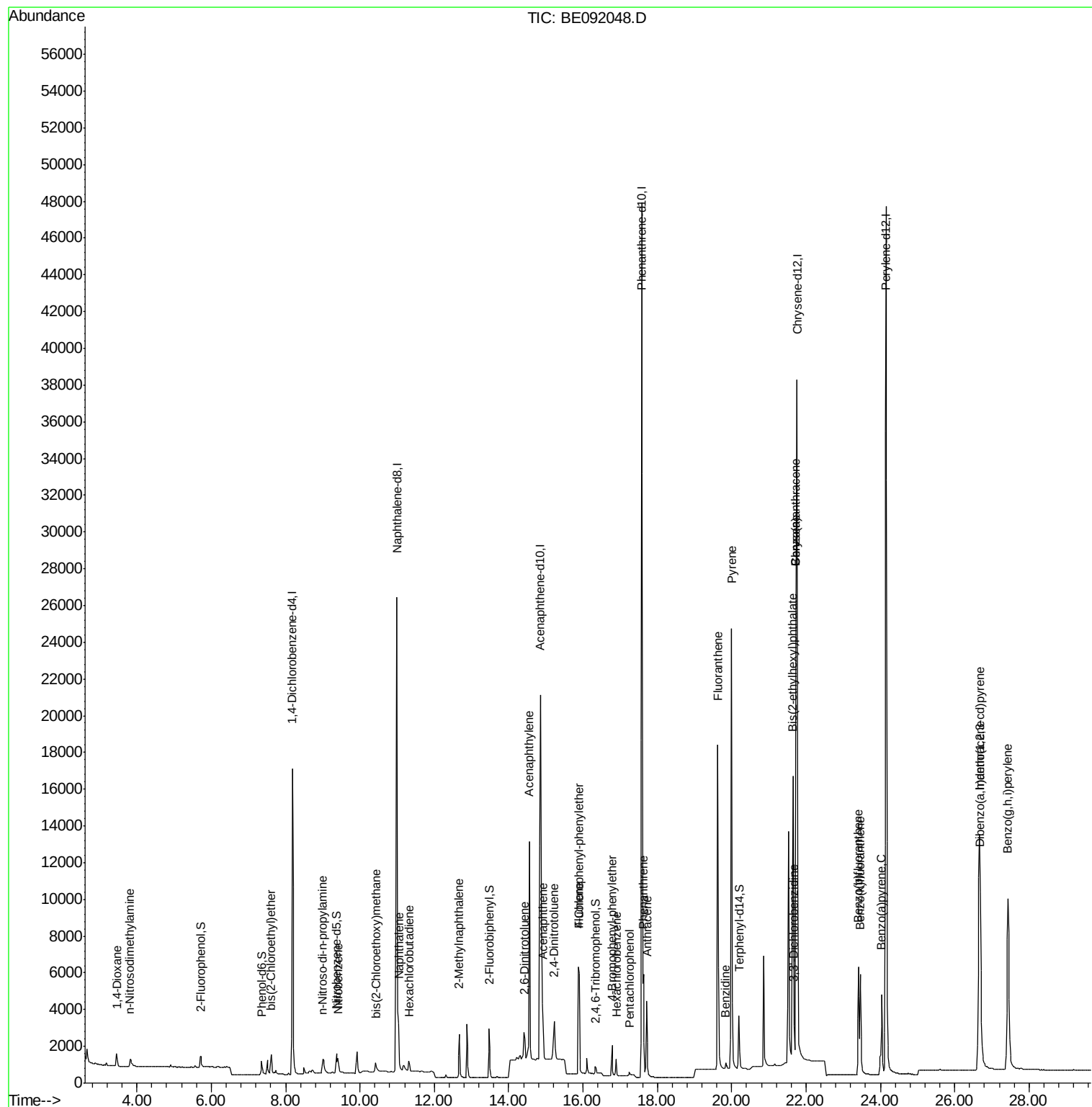
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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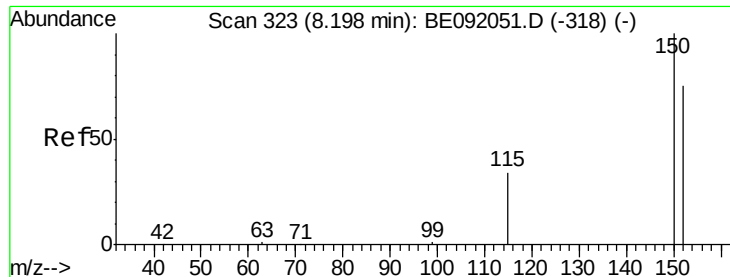
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

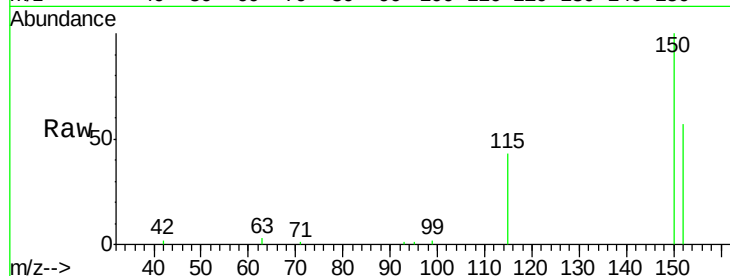
Tgt Ion:152 Resp: 9805

Ion Ratio Lower Upper

152 100

150 174.0 106.0 159.0#

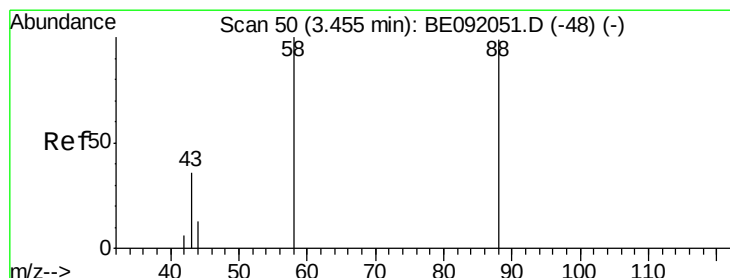
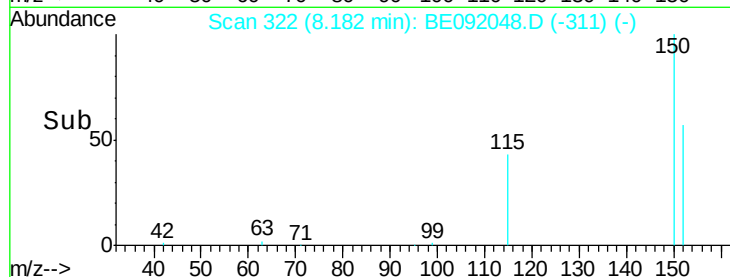
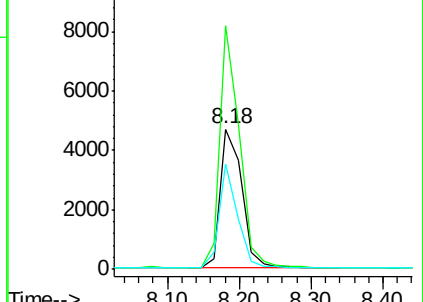
115 75.2 36.9 55.3#



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: 0.38 ng

RT: 3.45 min Scan# 50

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

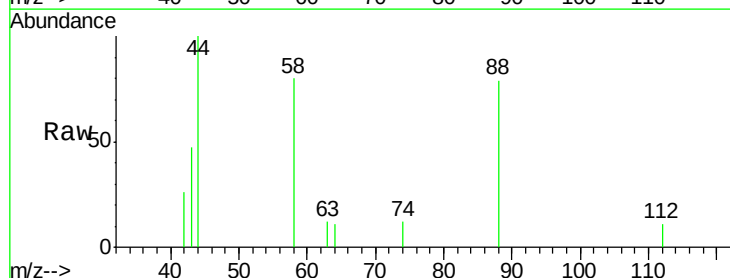
Tgt Ion: 88 Resp: 523

Ion Ratio Lower Upper

88 100

58 85.9 62.1 93.1

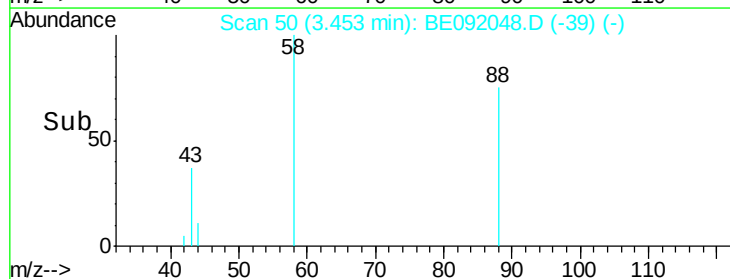
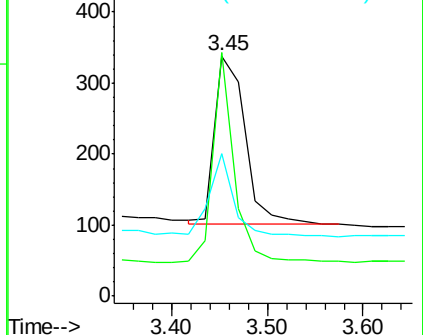
43 41.3 27.2 40.8#

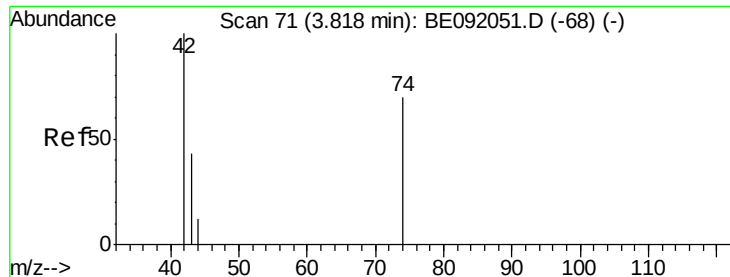


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.36 ng

RT: 3.82 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

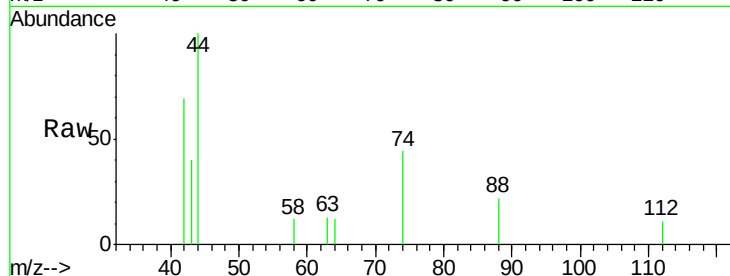
Tgt Ion: 42 Resp: 601

Ion Ratio Lower Upper

42 100

74 100.0 82.8 124.2

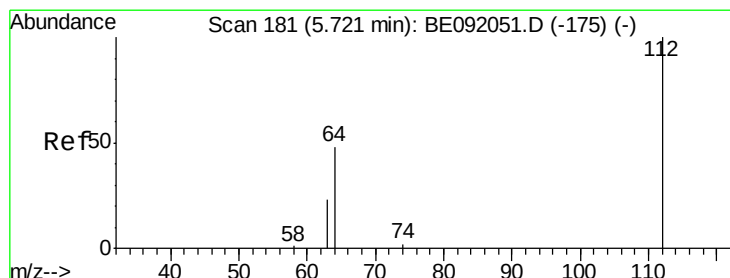
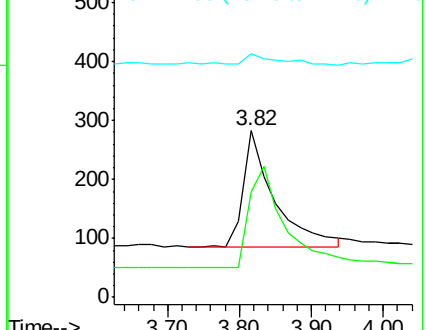
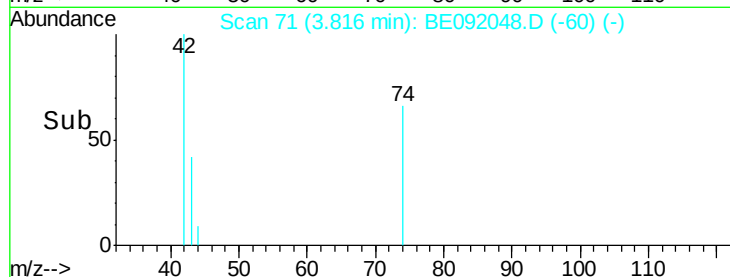
44 11.1 9.0 13.4



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: 0.37 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

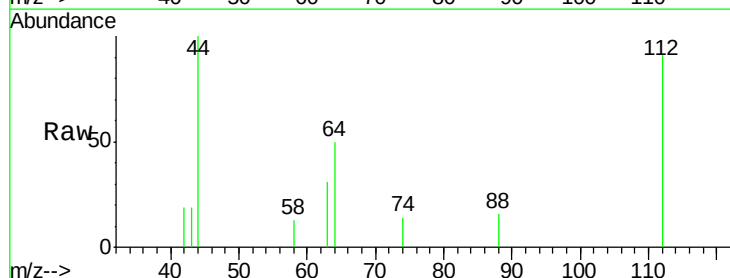
Tgt Ion: 112 Resp: 805

Ion Ratio Lower Upper

112 100

64 67.3 55.9 83.9

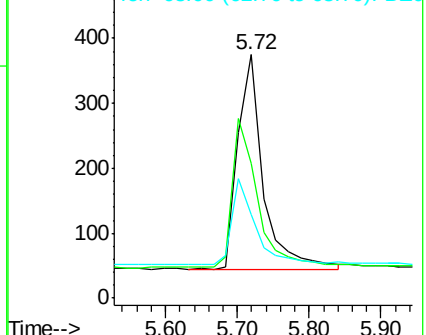
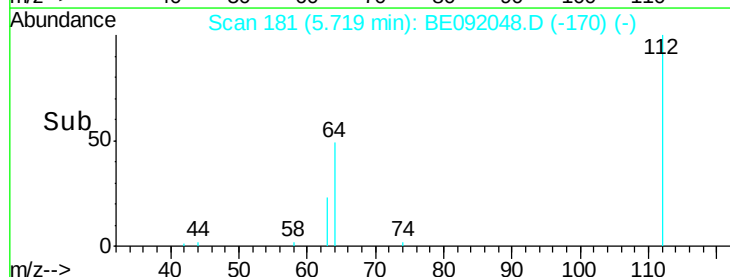
63 36.8 31.1 46.7

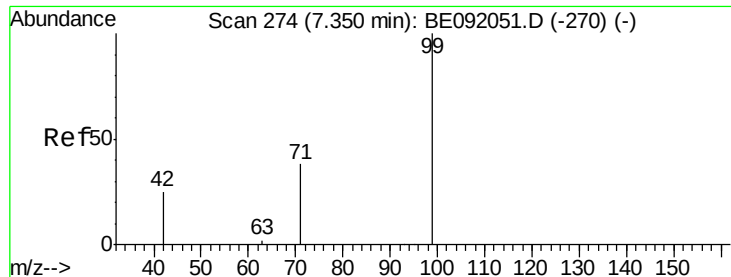


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.36 ng

RT: 7.35 min Scan# 274

Delta R.T. 0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

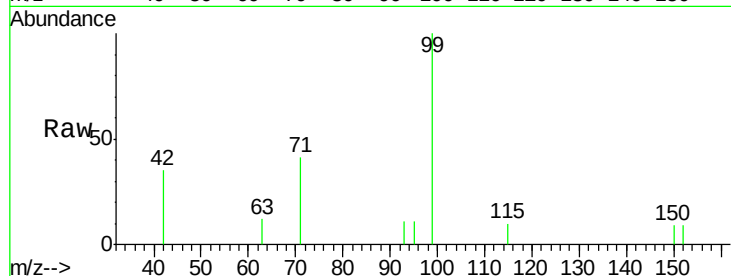
Tgt Ion: 99 Resp: 1098

Ion Ratio Lower Upper

99 100

42 29.1 22.4 33.6

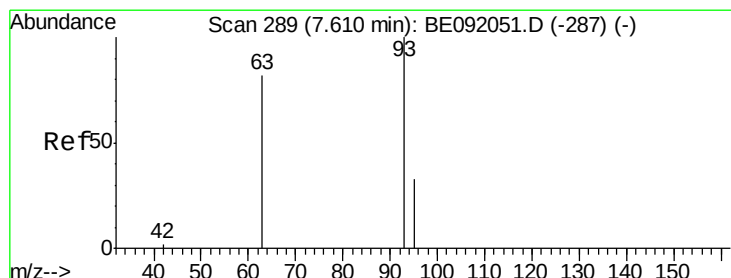
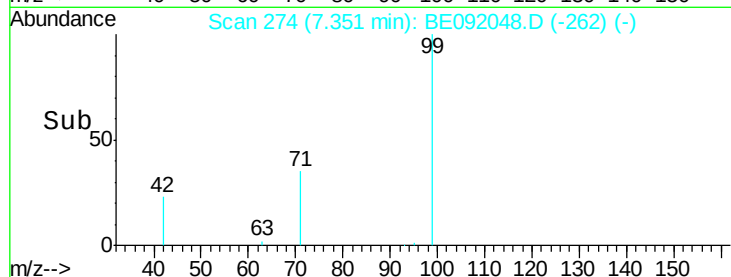
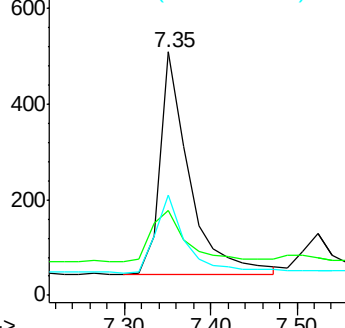
71 37.1 28.9 43.3



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: 0.37 ng

RT: 7.61 min Scan# 289

Delta R.T. 0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

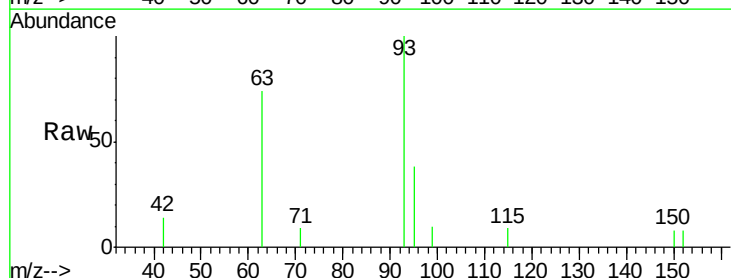
Tgt Ion: 93 Resp: 1054

Ion Ratio Lower Upper

93 100

63 85.3 64.4 96.6

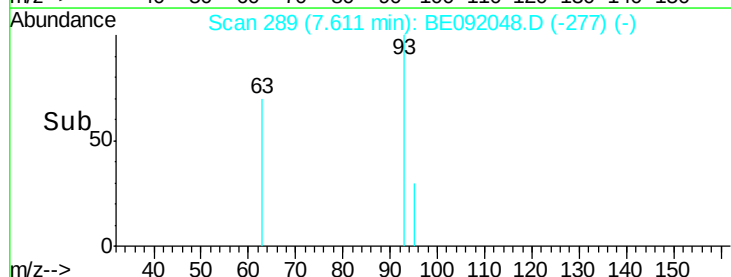
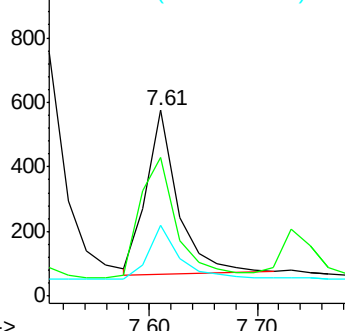
95 33.6 25.8 38.8

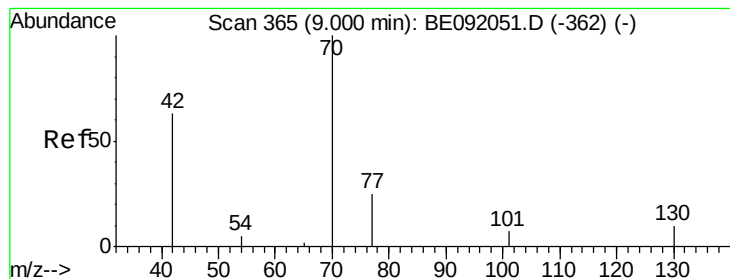


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.35 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

Tgt Ion: 70 Resp: 837

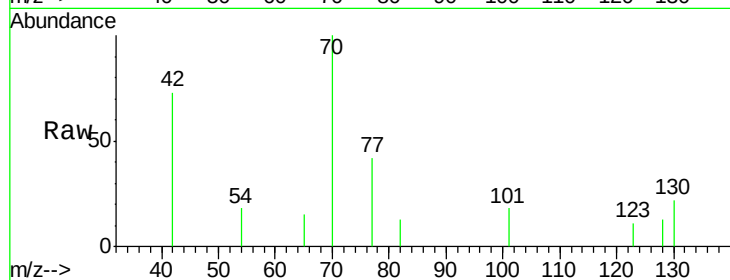
Ion Ratio Lower Upper

70 100

42 80.0 60.2 90.4

101 9.0 6.8 10.2

130 16.2 13.3 19.9

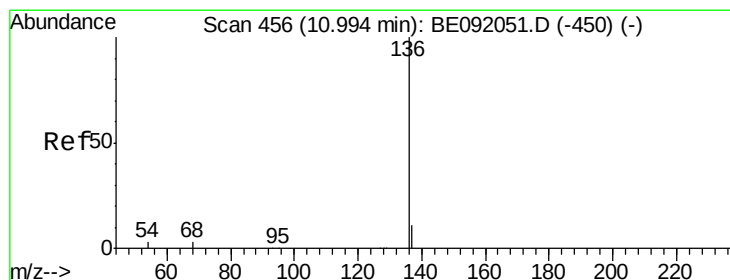
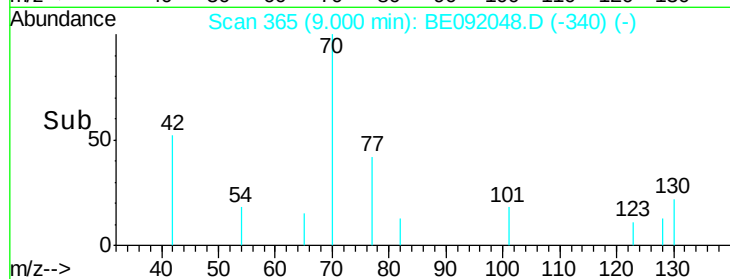
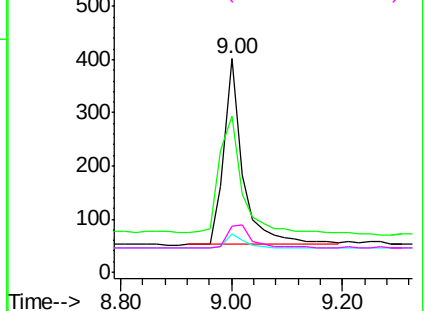


Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

Tgt Ion: 136 Resp: 43525

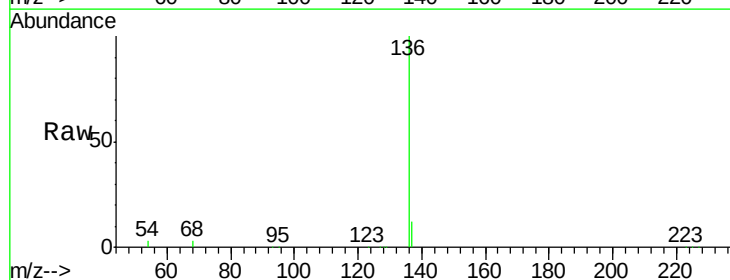
Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

54 3.3 2.7 4.1

68 2.7 2.2 3.4

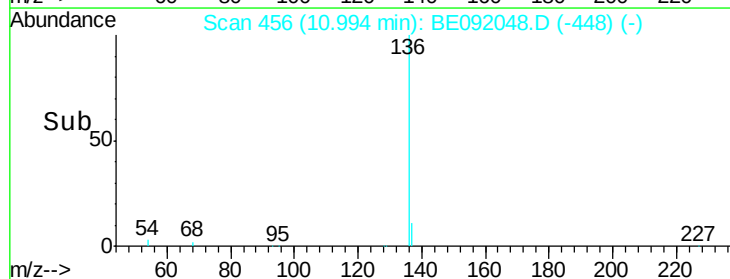
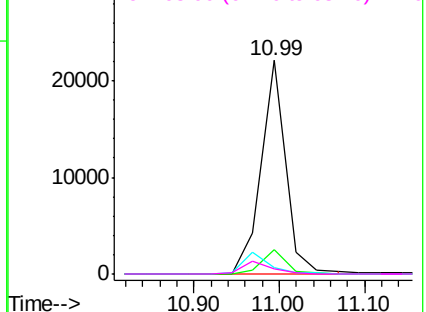


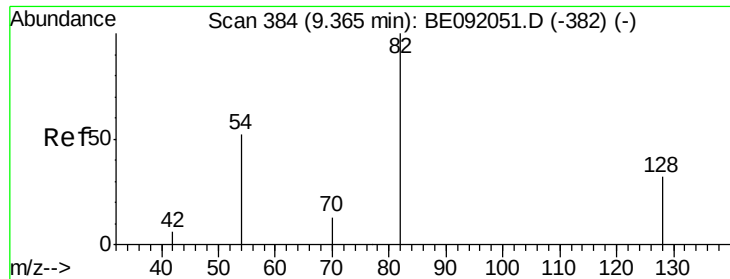
Abundance Ion 136.00 (135.70 to 136.70): E

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





#9

Nitrobenzene-d5

Concen: 0.38 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

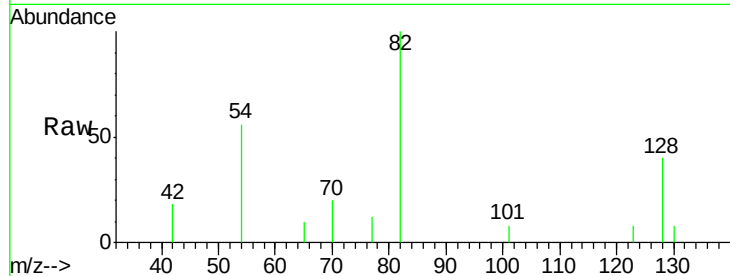
Tgt Ion: 82 Resp: 1258

Ion Ratio Lower Upper

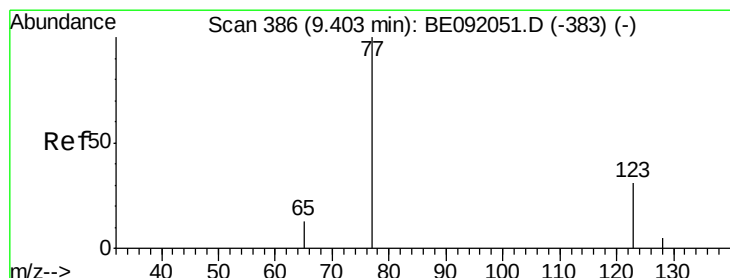
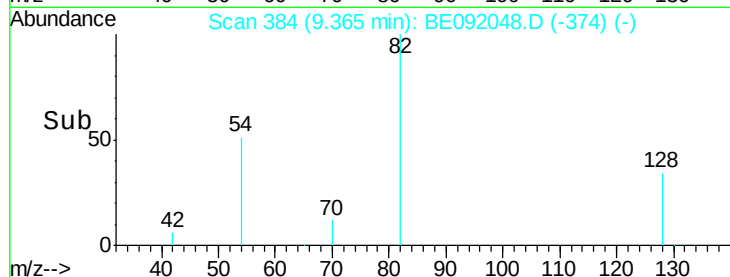
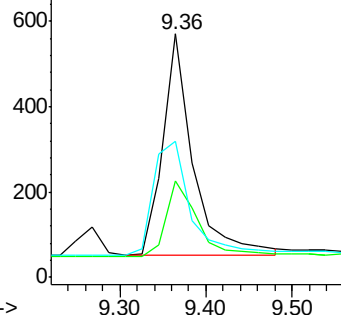
82 100

128 39.8 33.0 49.4

54 55.9 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: 0.36 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

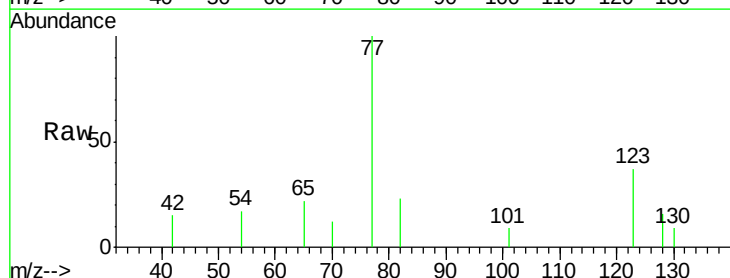
Tgt Ion: 77 Resp: 1139

Ion Ratio Lower Upper

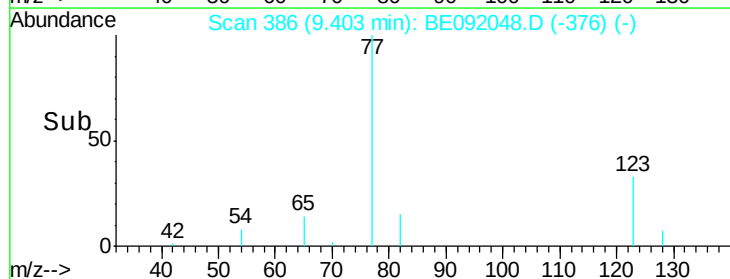
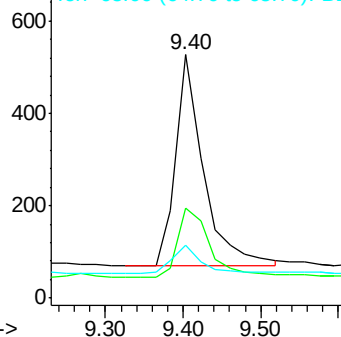
77 100

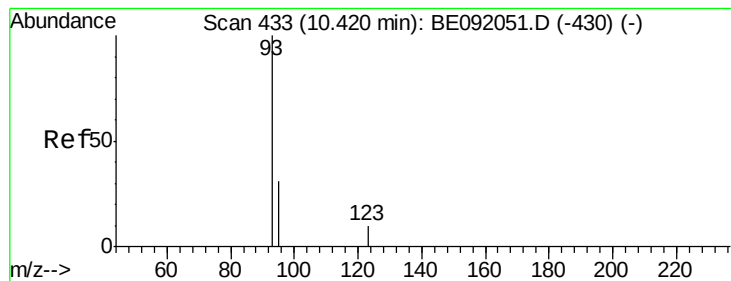
123 37.2 29.9 44.9

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: 0.37 ng

RT: 10.42 min Scan# 433

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

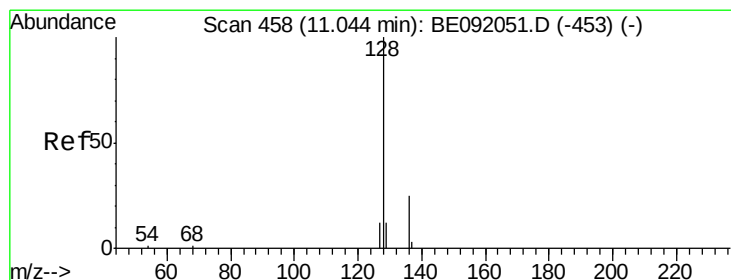
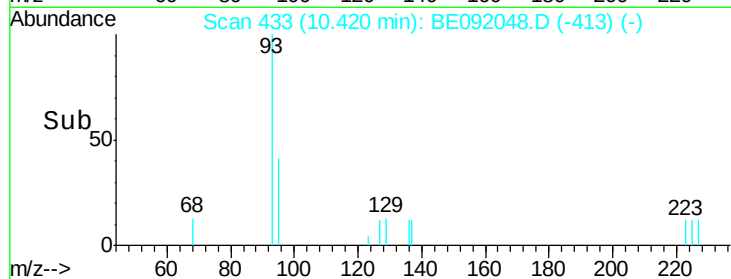
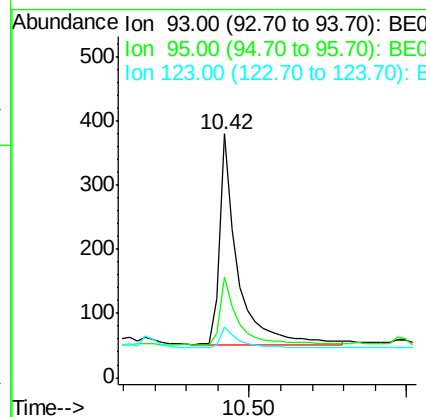
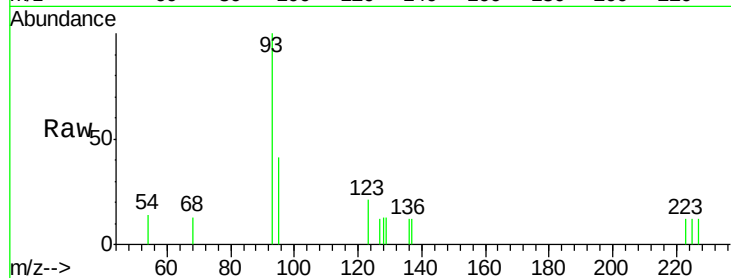
Tgt Ion: 93 Resp: 1352

Ion Ratio Lower Upper

93 100

95 54.6 25.0 37.6#

123 10.1 7.8 11.8



#12

Naphthalene

Concen: 0.40 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

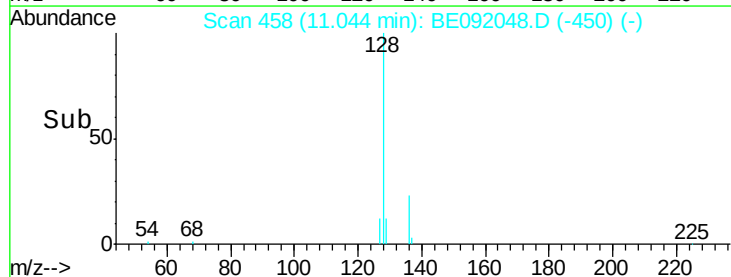
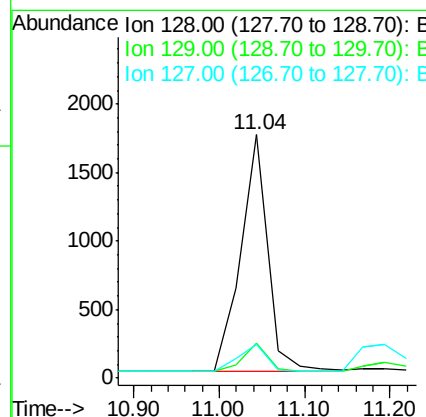
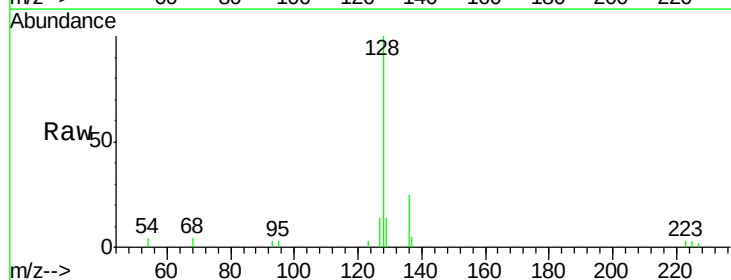
Tgt Ion: 128 Resp: 3822

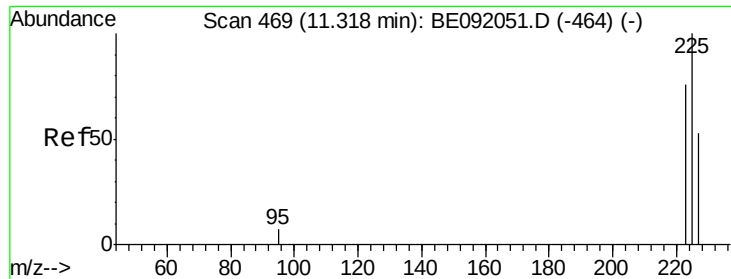
Ion Ratio Lower Upper

128 100

129 14.2 11.1 16.7

127 13.8 11.3 16.9

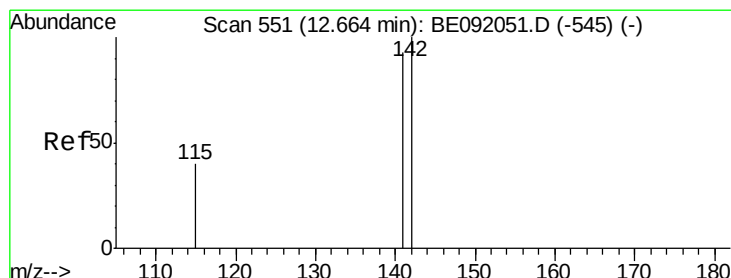
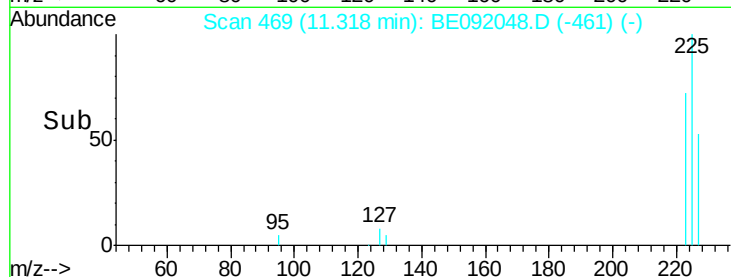
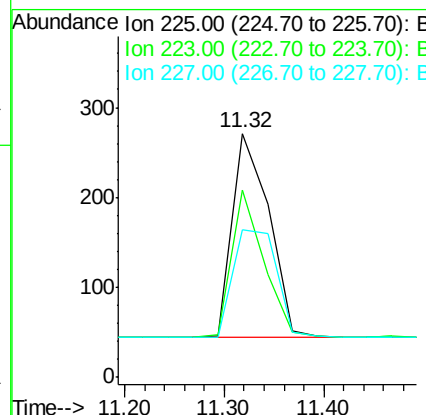
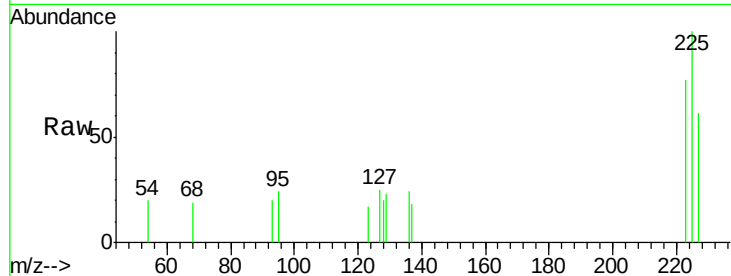




#13
Hexachlorobutadiene
Concen: 0.40 ng
RT: 11.32 min Scan# 469
Delta R.T. -0.00 min
Lab File: BE092048.D
Acq: 27 Jul 2016 9:10

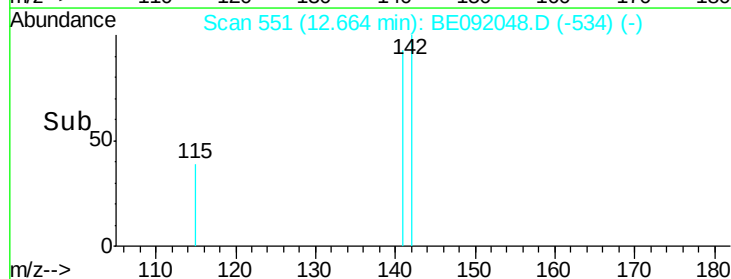
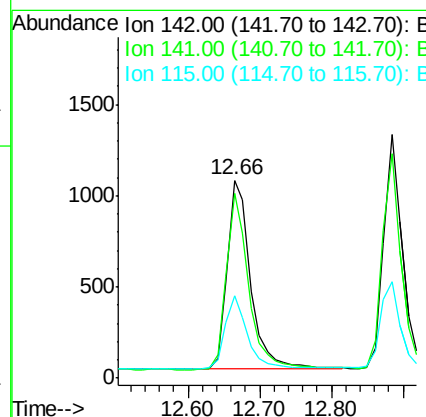
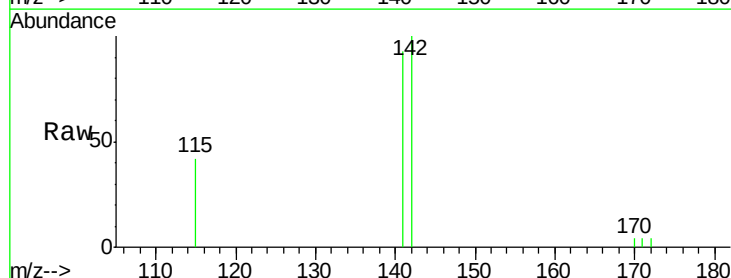
Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

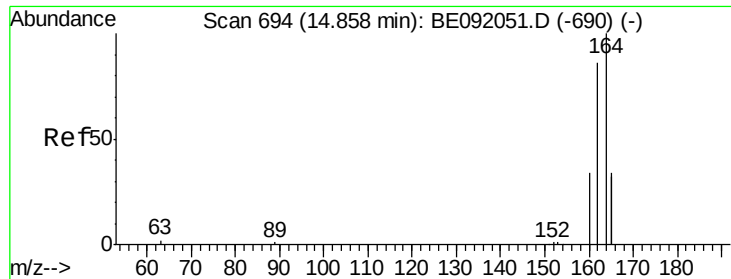
Tgt Ion: 225 Resp: 581
Ion Ratio Lower Upper
225 100
223 62.1 51.9 77.9
227 63.2 0.0 0.0#



#14
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.66 min Scan# 551
Delta R.T. -0.00 min
Lab File: BE092048.D
Acq: 27 Jul 2016 9:10

Tgt Ion: 142 Resp: 2369
Ion Ratio Lower Upper
142 100
141 93.5 65.1 97.7
115 41.9 27.0 40.4#

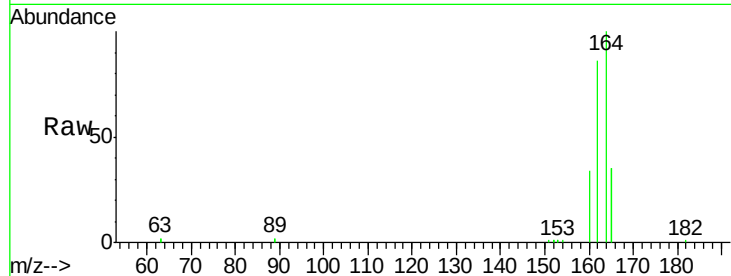




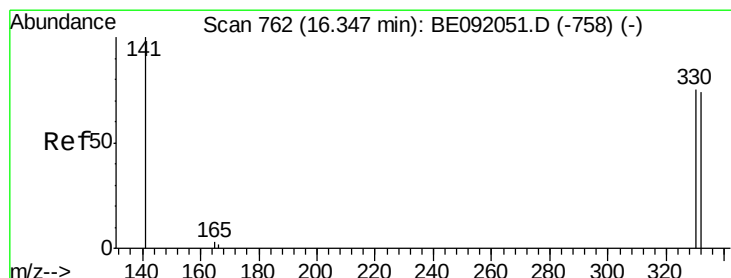
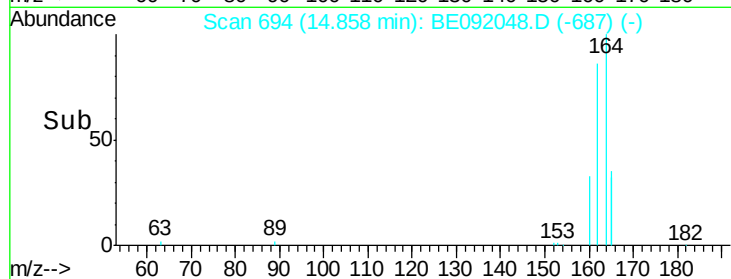
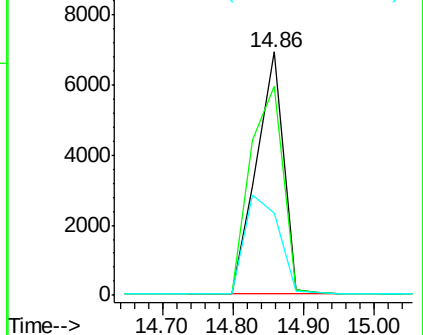
#15
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.86 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: BE092048.D
 Acq: 27 Jul 2016 9:10

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

Tgt Ion:164 Resp: 18298
 Ion Ratio Lower Upper
 164 100
 162 86.0 69.5 104.3
 160 33.9 27.6 41.4

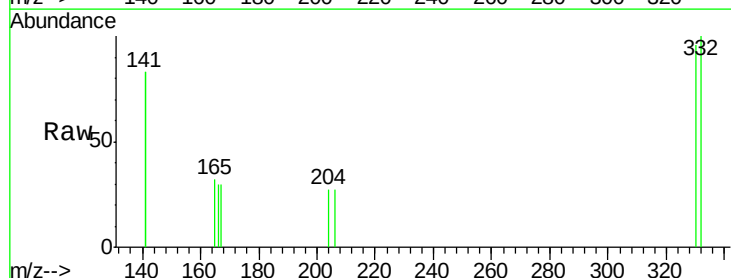


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

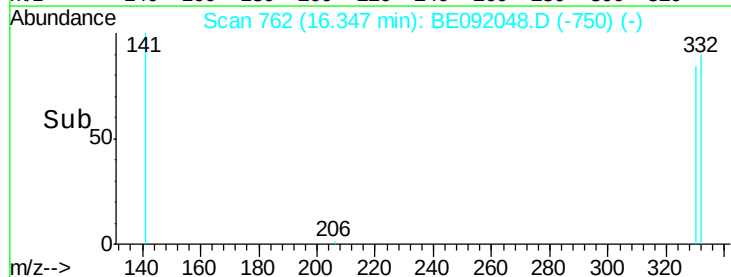
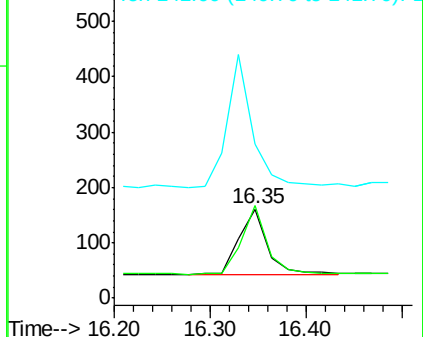


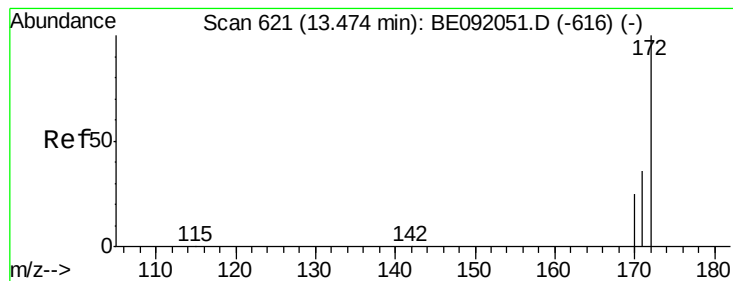
#16
 2,4,6-Tribromophenol
 Concen: 0.35 ng
 RT: 16.35 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE092048.D
 Acq: 27 Jul 2016 9:10

Tgt Ion:330 Resp: 244
 Ion Ratio Lower Upper
 330 100
 332 96.7 74.2 111.4
 141 180.3 139.8 209.8



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

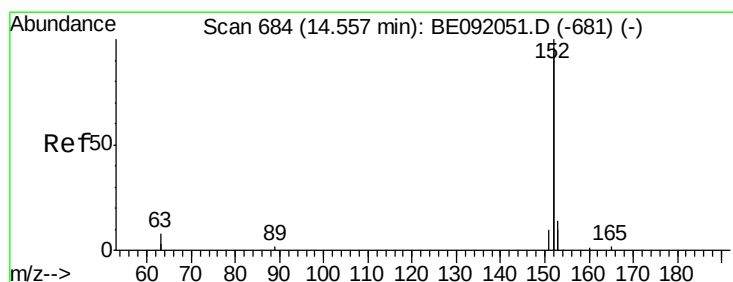
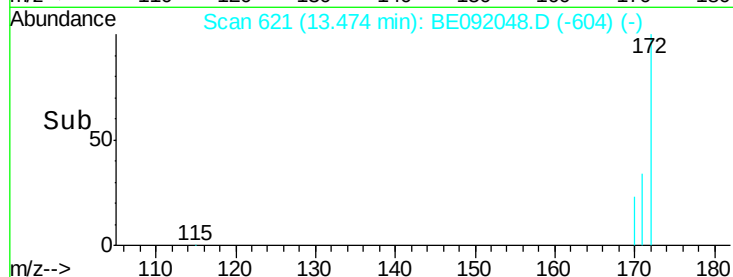
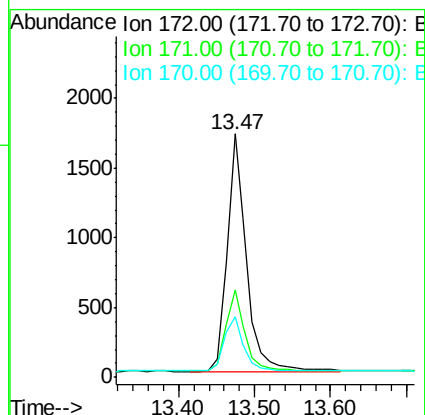
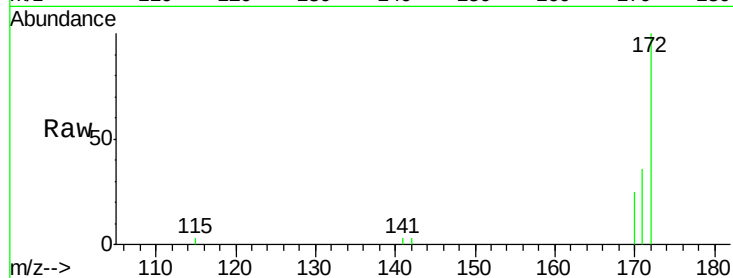




#17
 2-Fluorobiphenyl
 Concen: 0.42 ng
 RT: 13.47 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: BE092048.D
 Acq: 27 Jul 2016 9:10

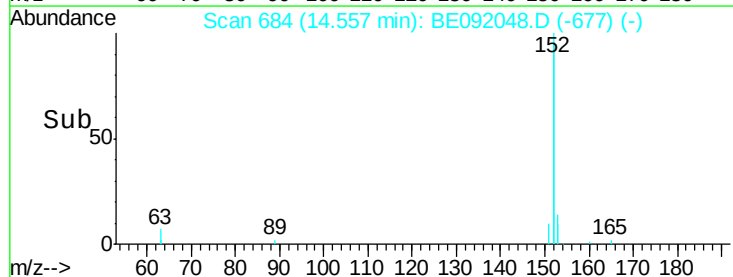
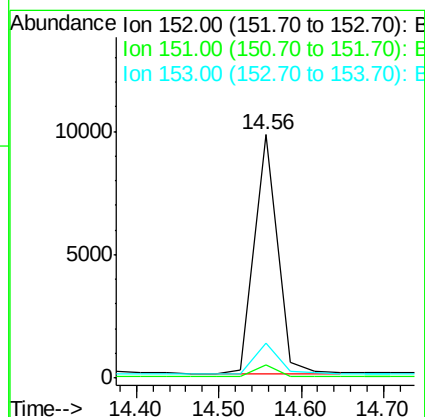
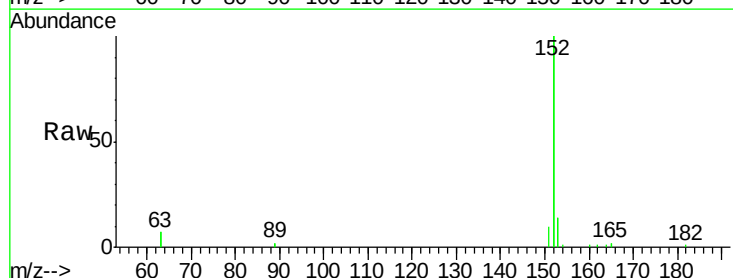
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

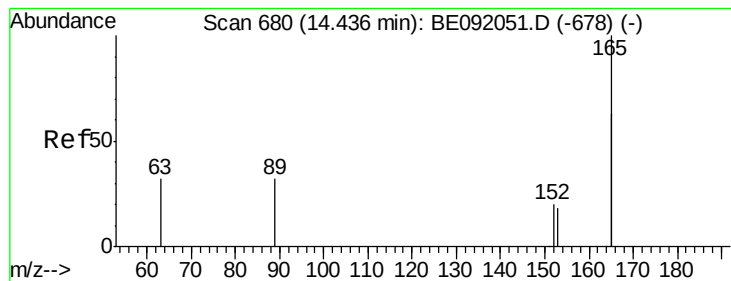
Tgt Ion:172 Resp: 3035
 Ion Ratio Lower Upper
 172 100
 171 36.0 30.3 45.5
 170 24.7 21.6 32.4



#18
 Acenaphthylene
 Concen: 0.40 ng
 RT: 14.56 min Scan# 684
 Delta R.T. -0.00 min
 Lab File: BE092048.D
 Acq: 27 Jul 2016 9:10

Tgt Ion:152 Resp: 18821
 Ion Ratio Lower Upper
 152 100
 151 4.8 4.0 6.0
 153 12.9 9.6 14.4





#19

2,6-Dinitrotoluene

Concen: 0.35 ng

RT: 14.44 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

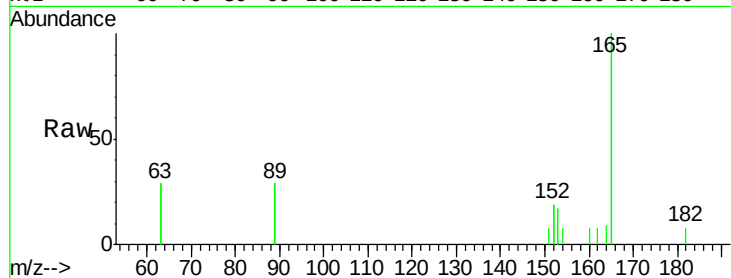
Tgt Ion:165 Resp: 1849

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

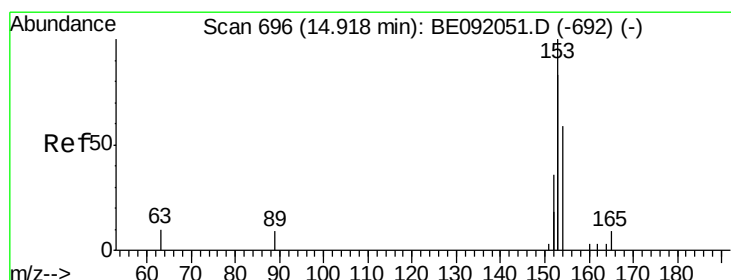
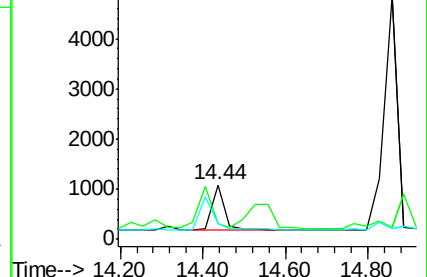
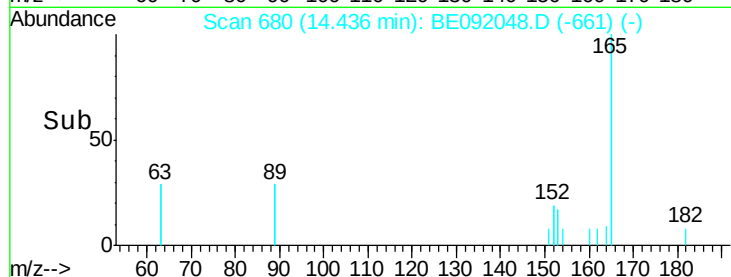
89 0.0 0.0 0.0



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: 0.42 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

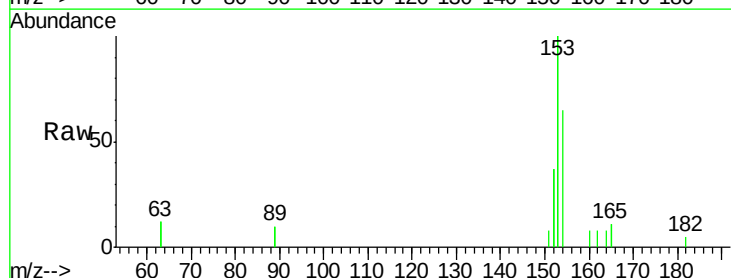
Tgt Ion:154 Resp: 2052

Ion Ratio Lower Upper

154 100

153 0.0 345.1 517.7#

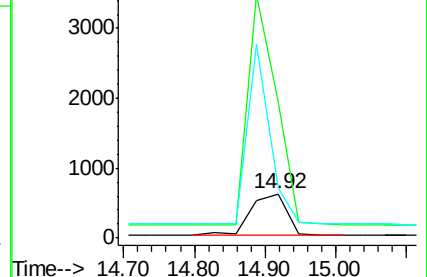
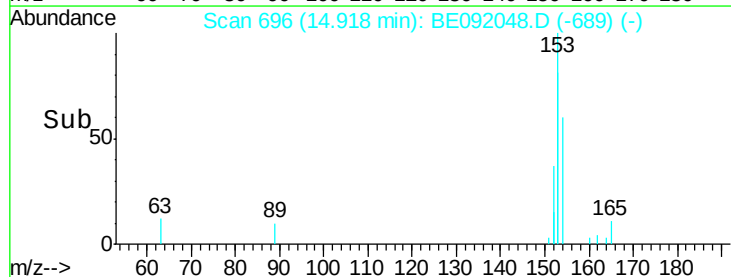
152 0.0 0.0 0.0

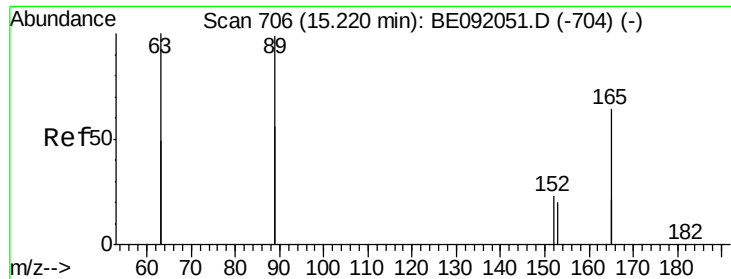


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

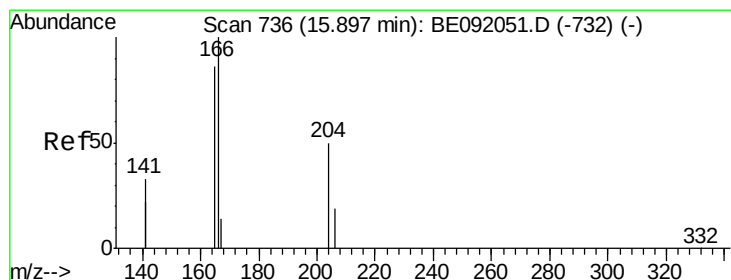
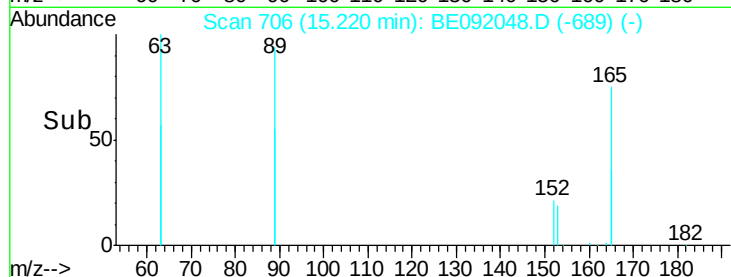
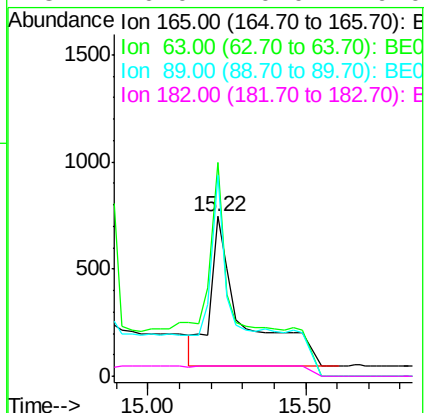
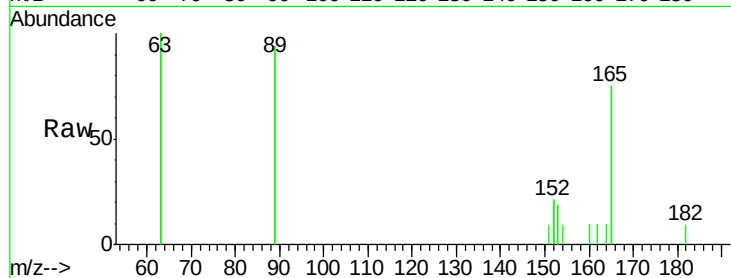




#21
2,4-Dinitrotoluene
Concen: 0.72 ng
RT: 15.22 min Scan# 706
Delta R.T. -0.00 min
Lab File: BE092048.D
Acq: 27 Jul 2016 9:10

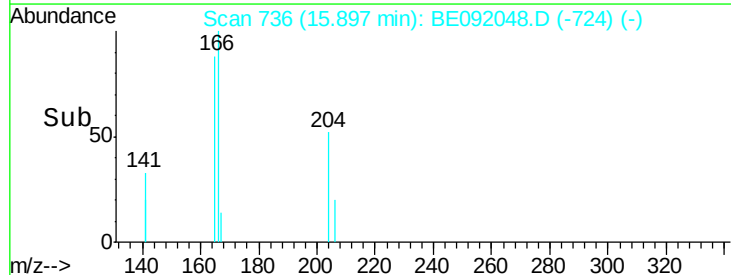
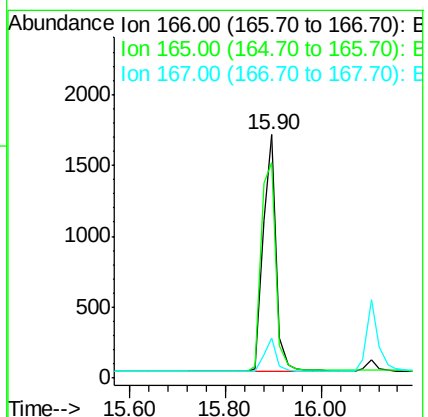
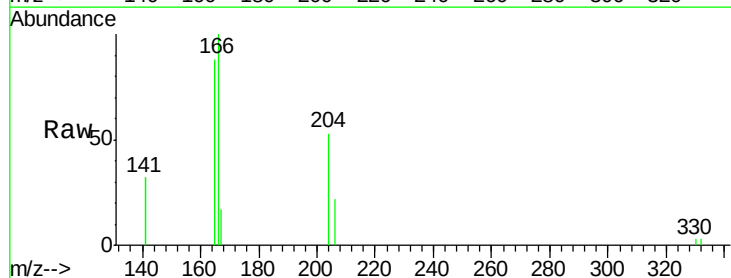
Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

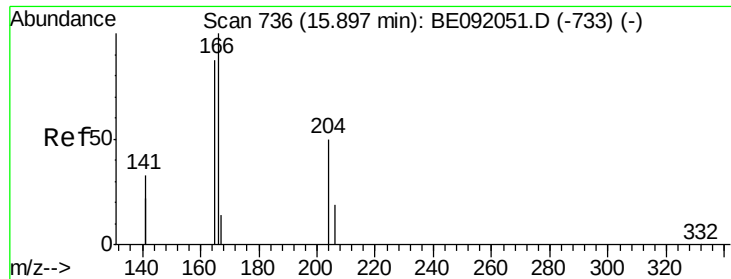
Tgt Ion:165 Resp: 4890
Ion Ratio Lower Upper
165 100
63 157.3 324.0 486.0#
89 129.4 308.4 462.6#
182 0.0 0.0 0.0



#22
Fluorene
Concen: 0.41 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092048.D
Acq: 27 Jul 2016 9:10

Tgt Ion:166 Resp: 3224
Ion Ratio Lower Upper
166 100
165 100.4 78.6 118.0
167 13.5 11.1 16.7

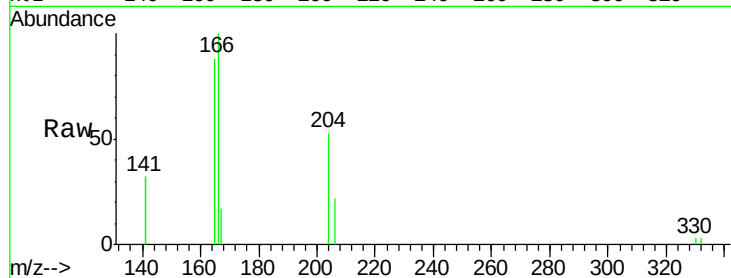




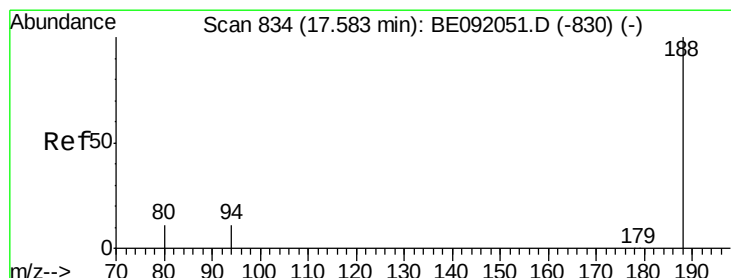
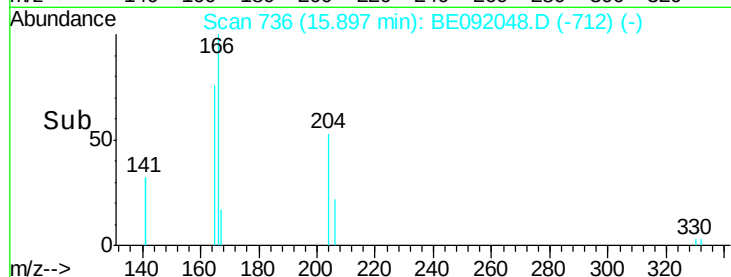
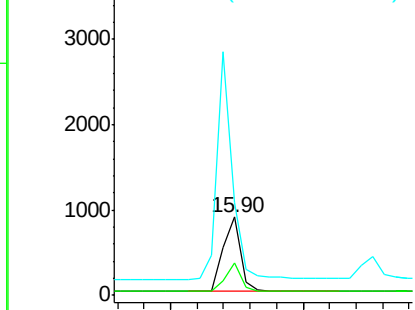
#23
4-Chlorophenyl-phenylether
Concen: 0.42 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092048.D
Acq: 27 Jul 2016 9:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 204 Resp: 1630
Ion Ratio Lower Upper
204 100
206 34.5 27.0 40.4
141 325.5 198.5 297.7#

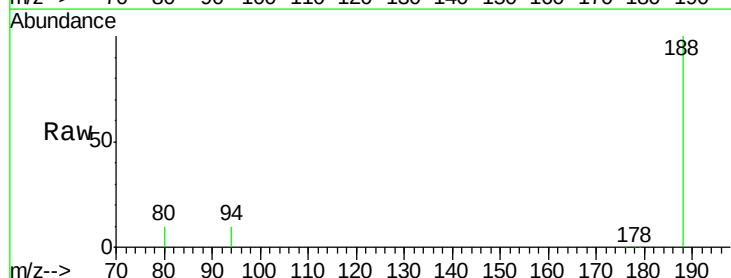


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

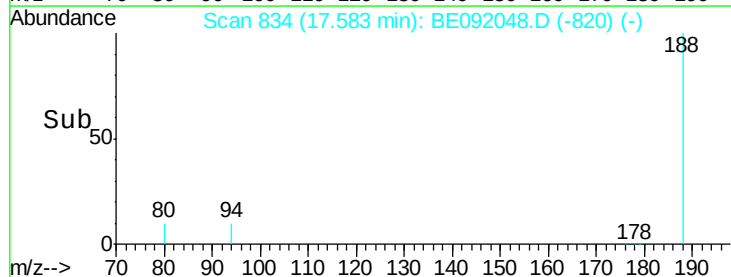
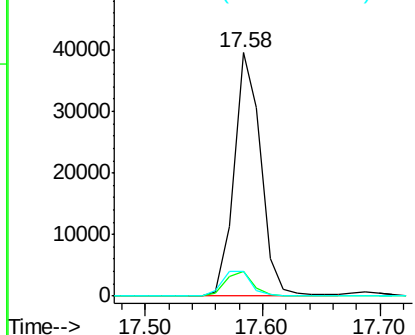


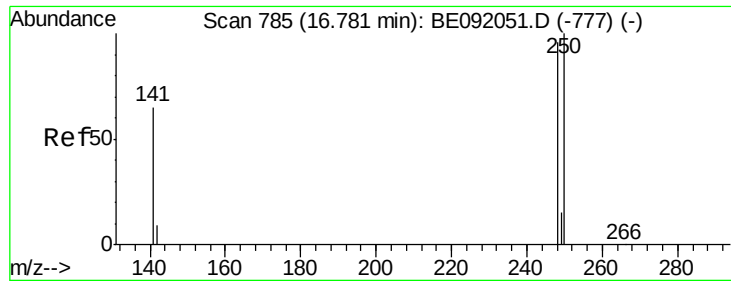
#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 834
Delta R.T. -0.00 min
Lab File: BE092048.D
Acq: 27 Jul 2016 9:10

Tgt Ion: 188 Resp: 62399
Ion Ratio Lower Upper
188 100
94 10.4 3.9 5.9#
80 10.3 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

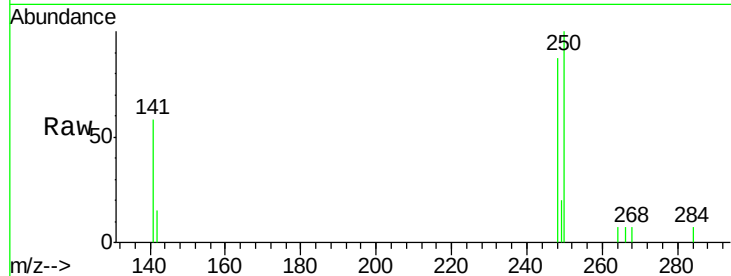




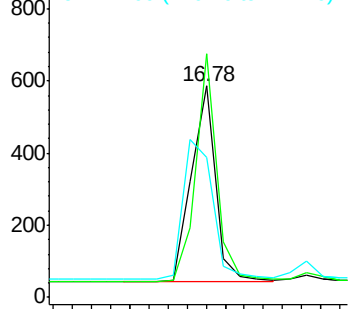
#25
4-Bromophenyl-phenylether
Concen: 0.37 ng
RT: 16.78 min Scan# 785
Delta R.T. -0.00 min
Lab File: BE092048.D
Acq: 27 Jul 2016 9:10

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

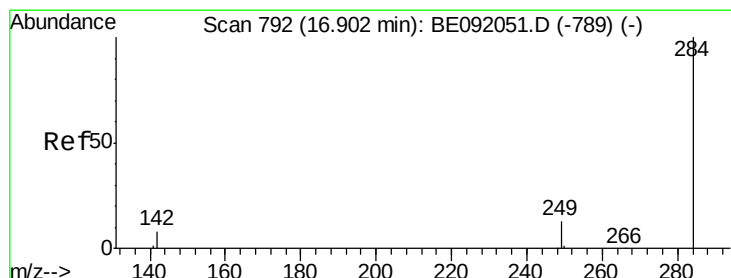
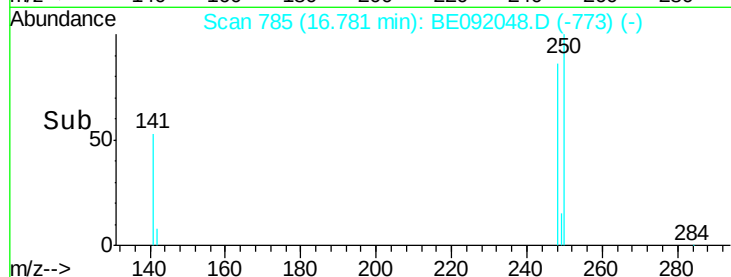
Tgt Ion:248 Resp: 951
Ion Ratio Lower Upper
248 100
250 101.4 79.6 119.4
141 87.3 68.7 103.1



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

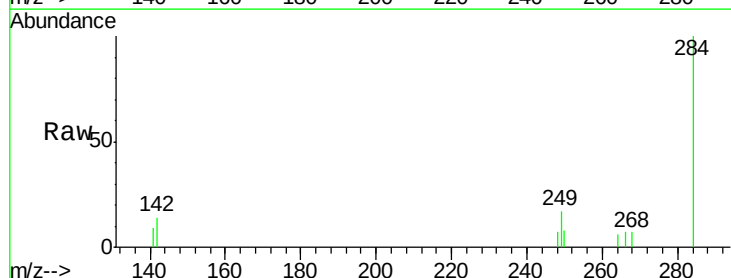


Time-->

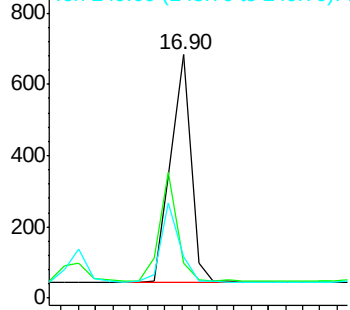


#26
Hexachlorobenzene
Concen: 0.39 ng
RT: 16.90 min Scan# 792
Delta R.T. -0.00 min
Lab File: BE092048.D
Acq: 27 Jul 2016 9:10

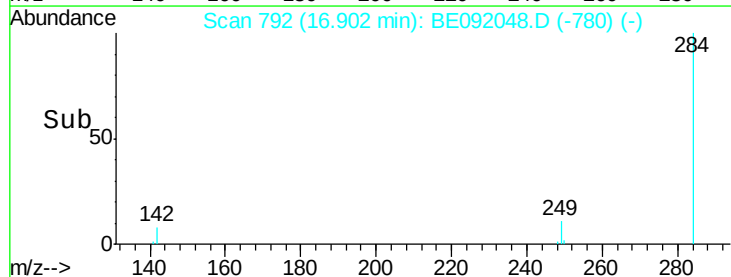
Tgt Ion:284 Resp: 1037
Ion Ratio Lower Upper
284 100
142 43.0 33.3 49.9
249 31.9 25.4 38.0

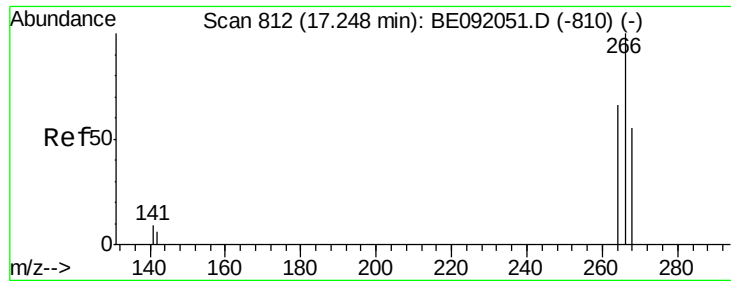


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time-->





#27

Pentachlorophenol

Concen: 0.26 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

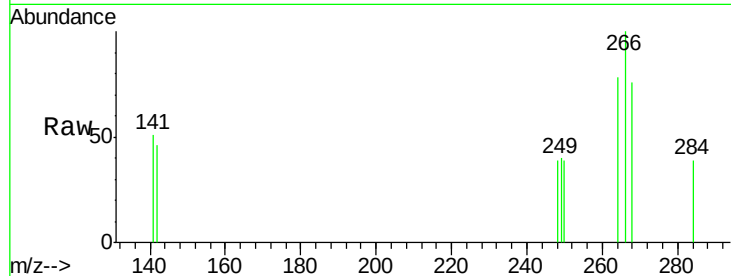
Tgt Ion:266 Resp: 194

Ion Ratio Lower Upper

266 100

268 76.3 62.7 94.1

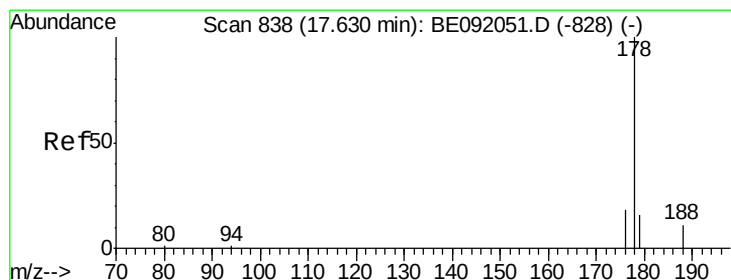
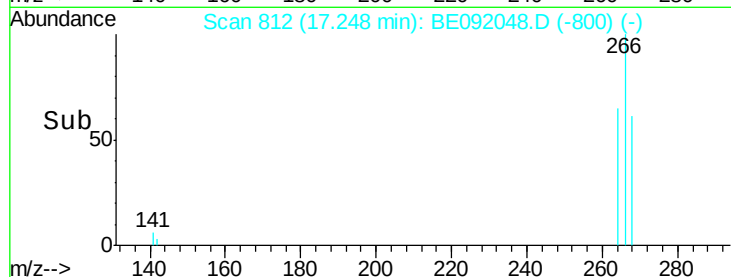
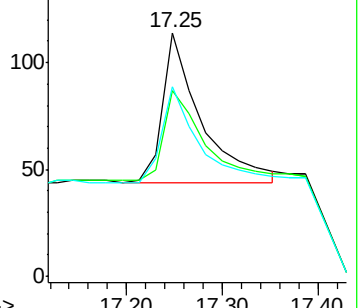
264 78.1 63.5 95.3



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: 0.39 ng

RT: 17.63 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

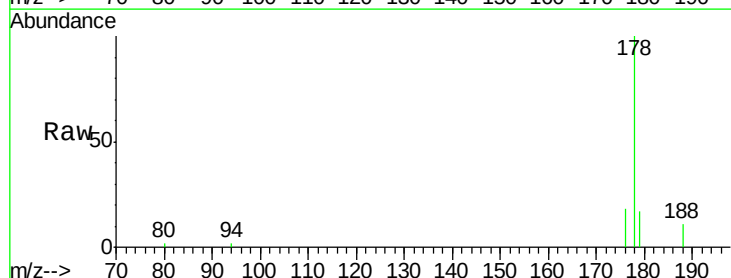
Tgt Ion:178 Resp: 6240

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

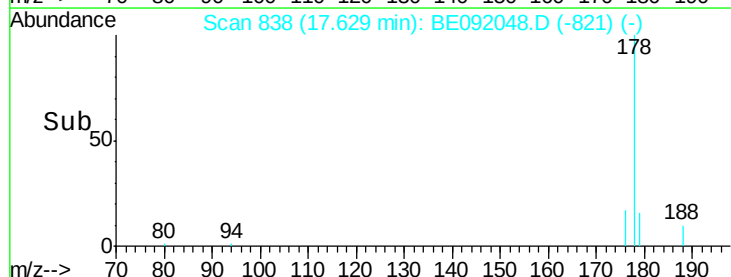
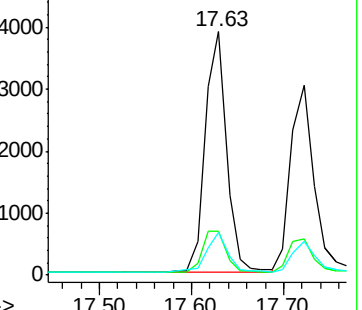
179 16.0 12.7 19.1

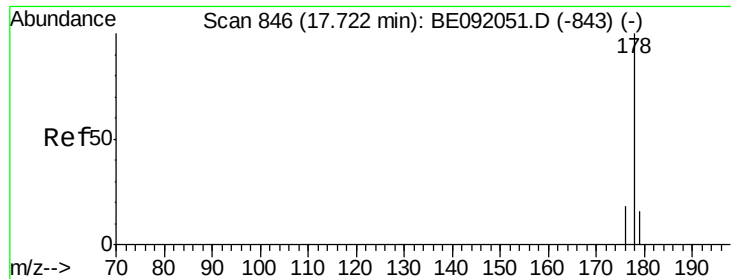


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.37 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

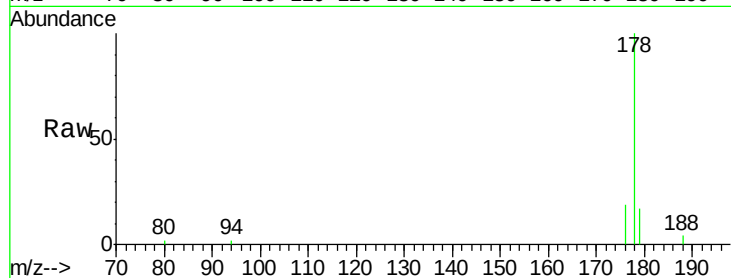
Tgt Ion:178 Resp: 5422

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

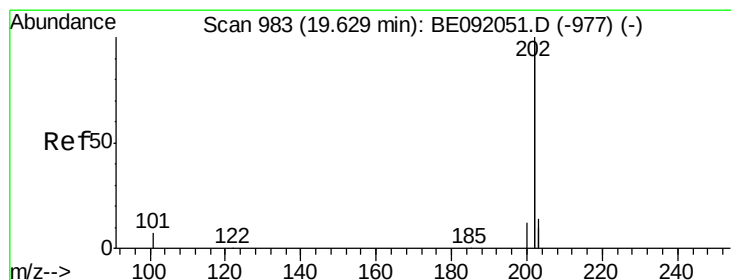
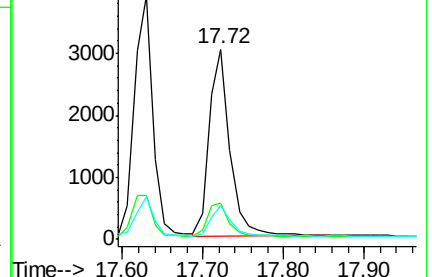
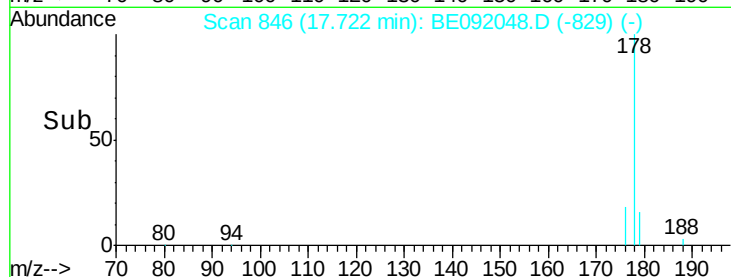
179 15.5 12.2 18.4



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: 0.37 ng

RT: 19.63 min Scan# 983

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

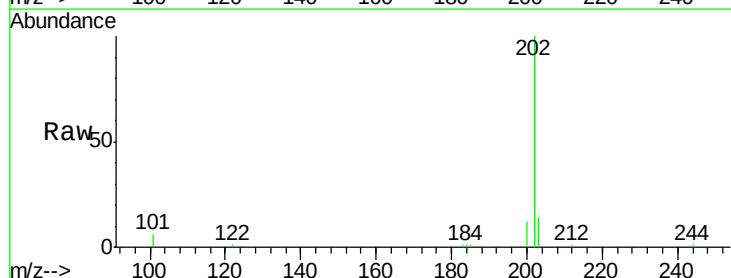
Tgt Ion:202 Resp: 27210

Ion Ratio Lower Upper

202 100

101 2.7 2.2 3.2

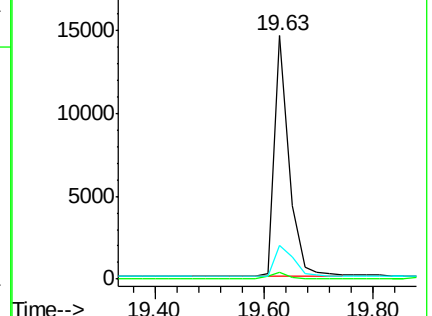
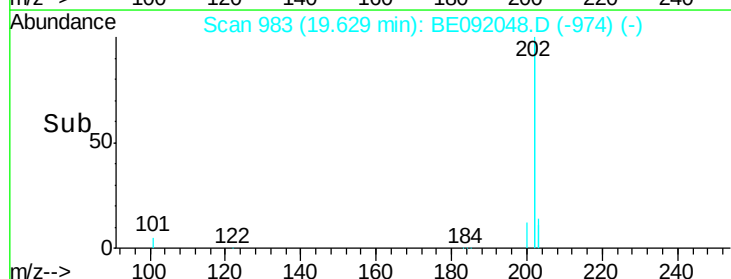
203 16.3 13.0 19.4

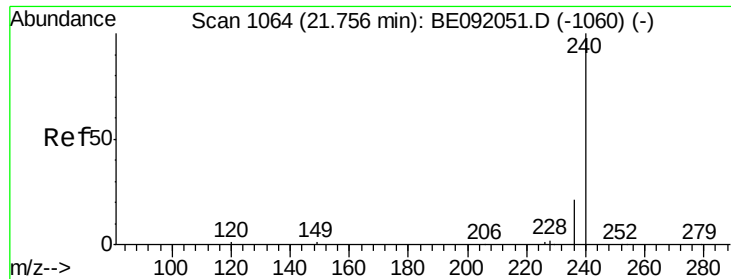


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

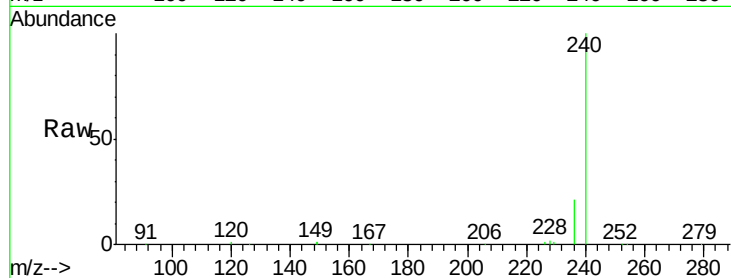
Tgt Ion:240 Resp: 62791

Ion Ratio Lower Upper

240 100

120 0.9 0.6 1.0

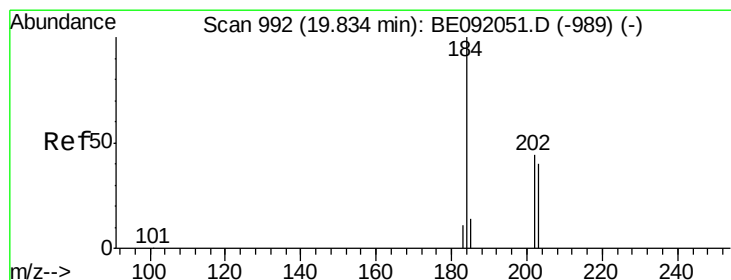
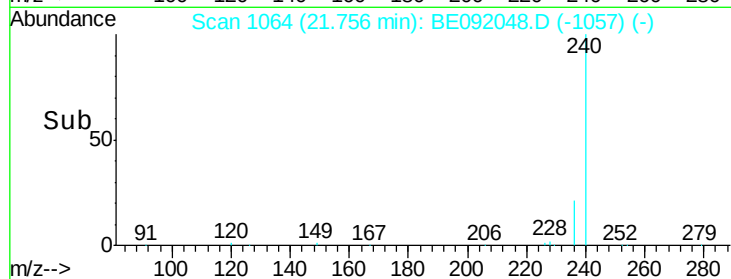
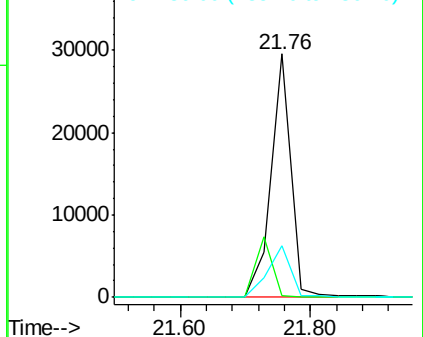
236 21.4 18.2 27.4



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: 0.23 ng

RT: 19.83 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

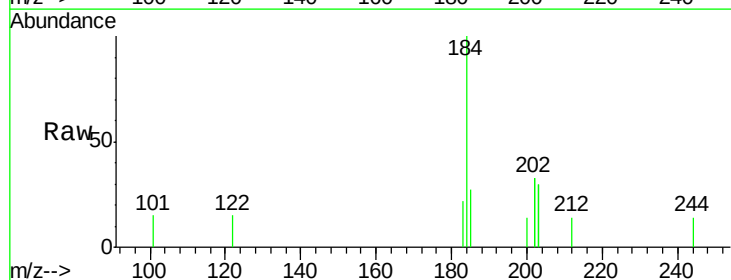
Tgt Ion:184 Resp: 914

Ion Ratio Lower Upper

184 100

185 26.8 23.8 35.6

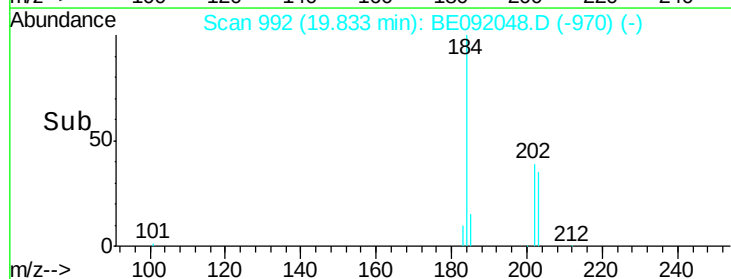
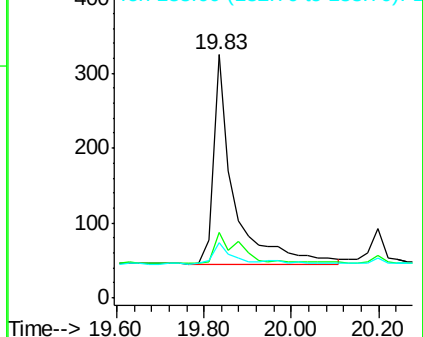
183 22.5 20.7 31.1

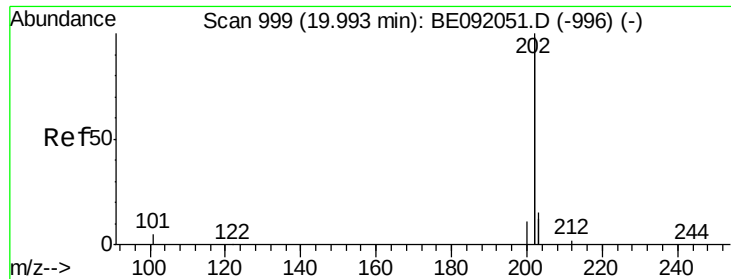


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

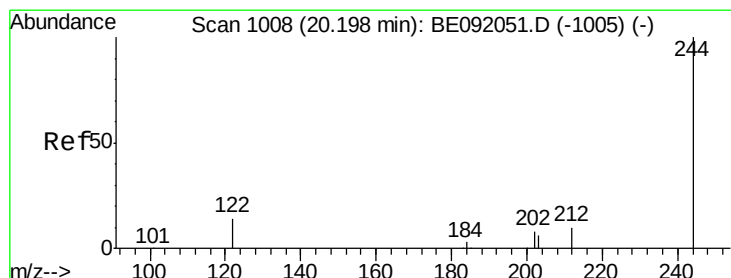
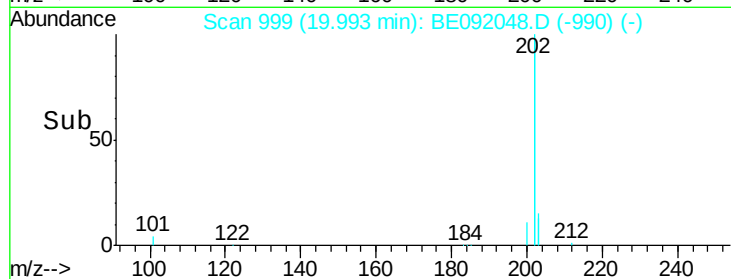
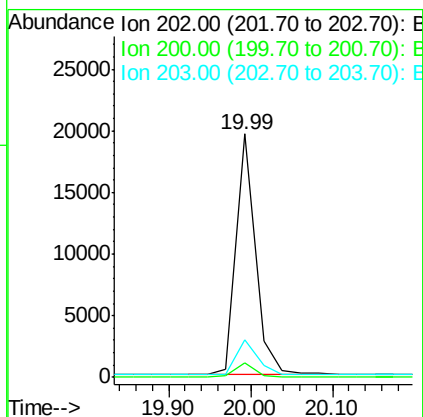
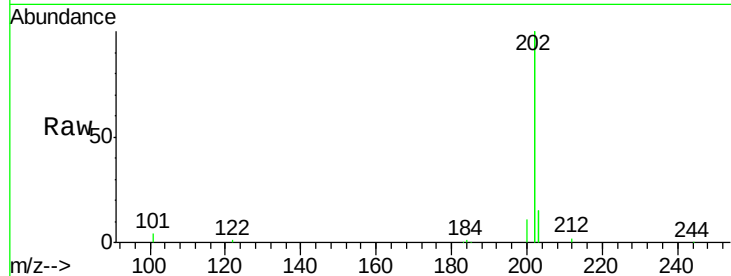




#33
 Pyrene
 Concen: 0.40 ng
 RT: 19.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: BE092048.D
 Acq: 27 Jul 2016 9:10

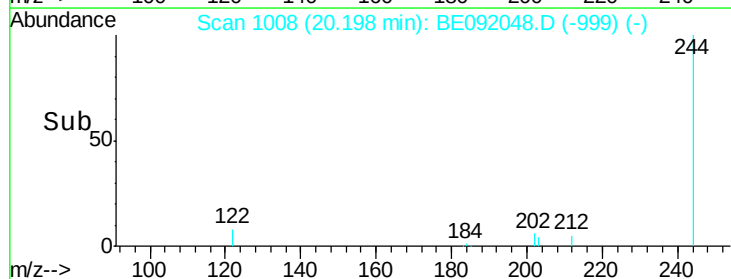
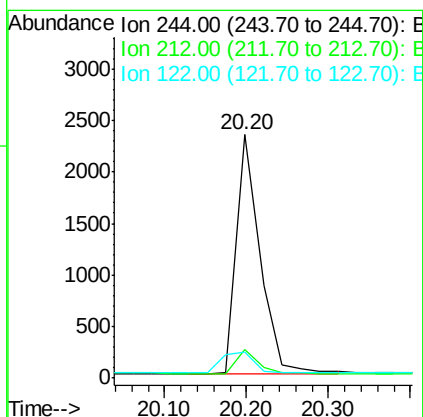
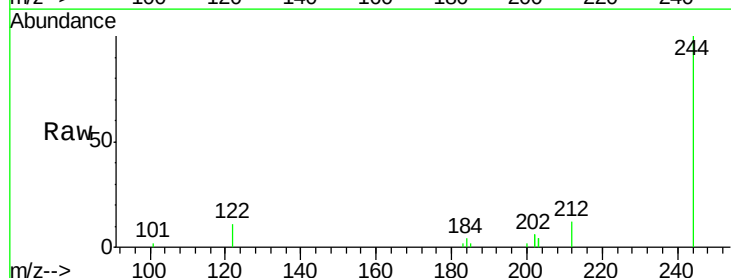
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

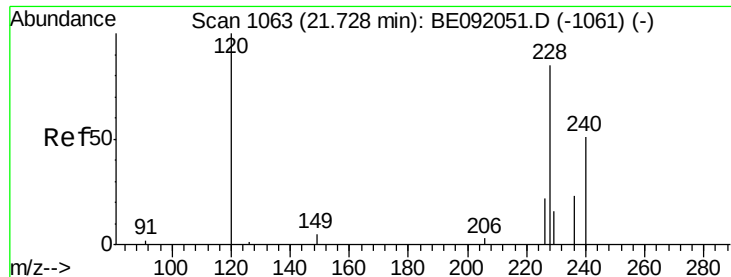
Tgt Ion: 202 Resp: 31916
 Ion Ratio Lower Upper
 202 100
 200 5.4 4.4 6.6
 203 16.3 13.4 20.0



#34
 Terphenyl-d14
 Concen: 0.38 ng
 RT: 20.20 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BE092048.D
 Acq: 27 Jul 2016 9:10

Tgt Ion: 244 Resp: 4565
 Ion Ratio Lower Upper
 244 100
 212 11.6 9.1 13.7
 122 10.6 11.0 16.4#





#35

Benzo(a)anthracene

Concen: 0.70 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

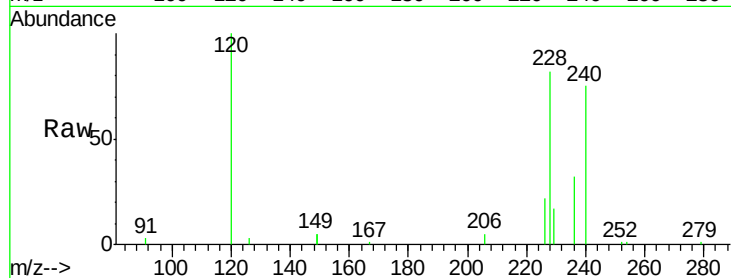
Tgt Ion:228 Resp: 21471

Ion Ratio Lower Upper

228 100

226 26.2 22.1 33.1

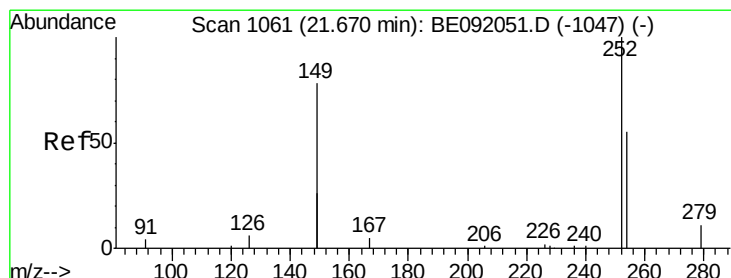
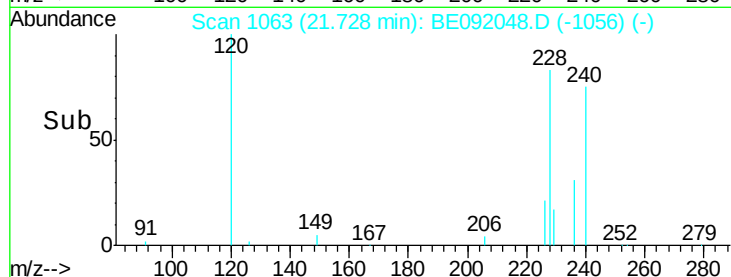
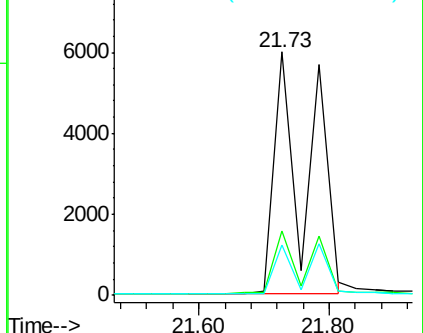
229 20.7 15.1 22.7



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: 0.31 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

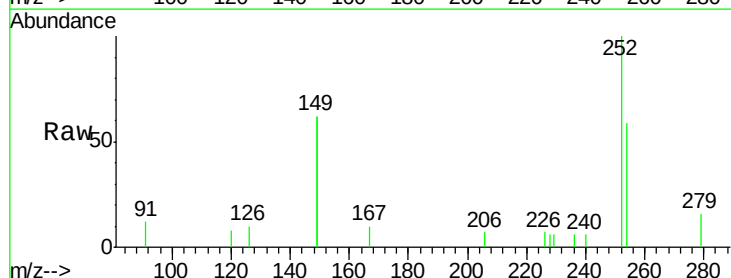
Tgt Ion:252 Resp: 1718

Ion Ratio Lower Upper

252 100

254 59.4 44.2 66.2

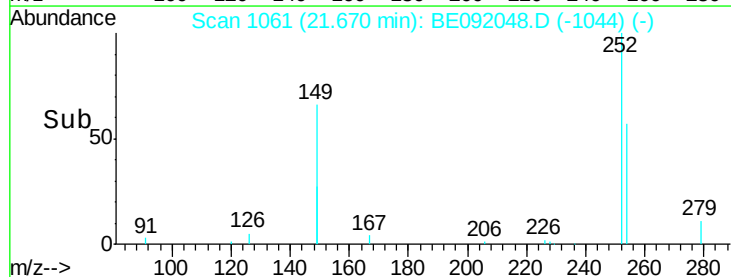
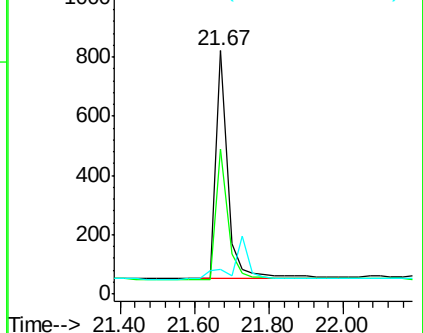
126 10.3 10.6 15.8#

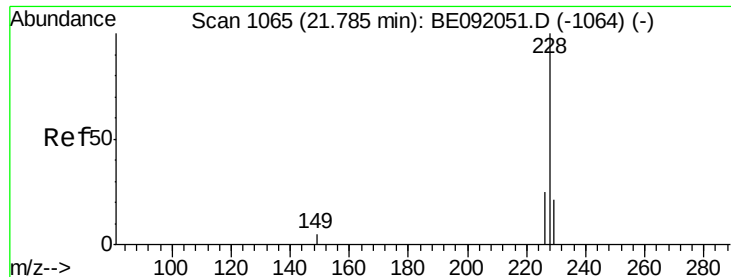


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.75 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

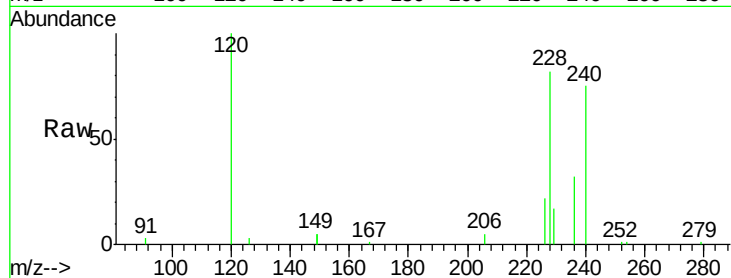
Tgt Ion:228 Resp: 21746

Ion Ratio Lower Upper

228 100

226 26.2 22.3 33.5

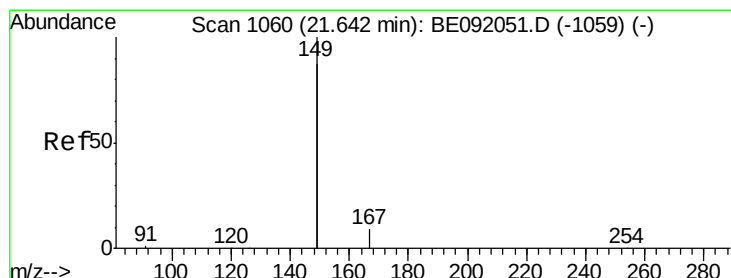
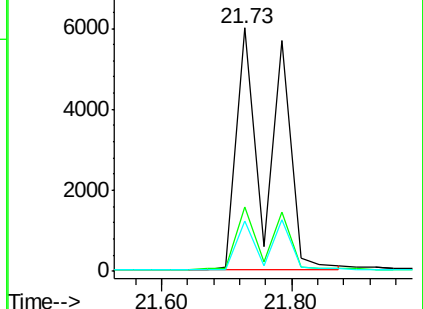
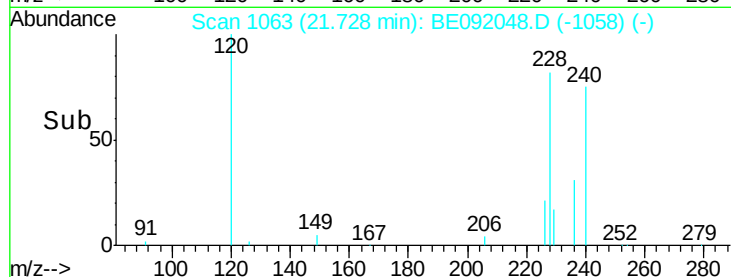
229 20.7 16.9 25.3



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: 0.39 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

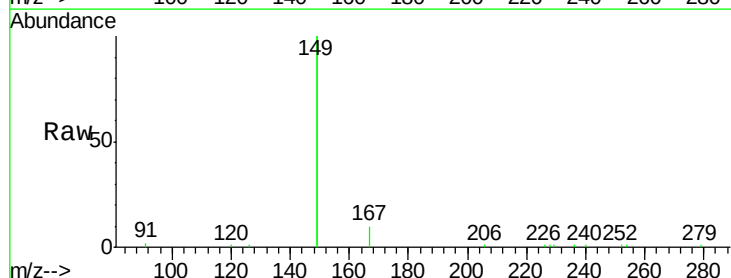
Tgt Ion:149 Resp: 25455

Ion Ratio Lower Upper

149 100

167 5.2 3.8 5.6

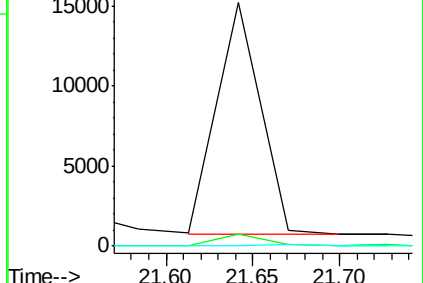
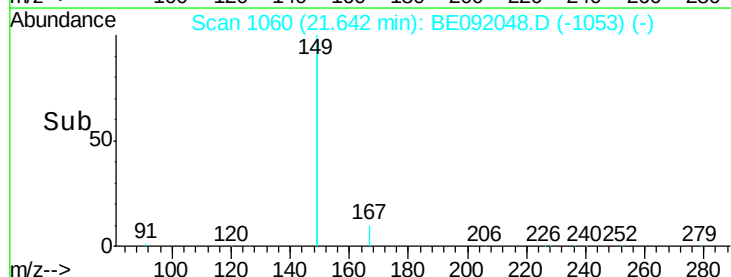
279 0.0 0.0 0.0

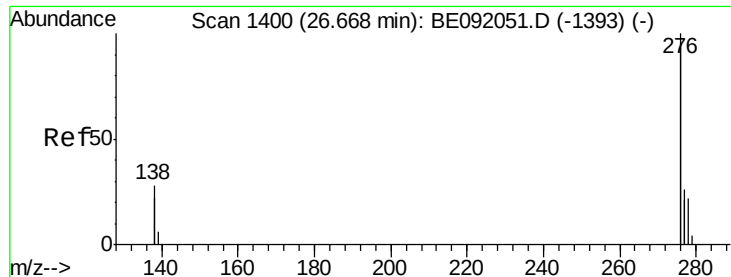


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.40 ng

RT: 26.67 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

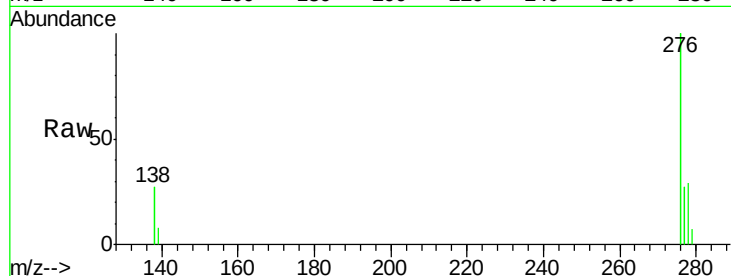
Tgt Ion:276 Resp: 29053

Ion Ratio Lower Upper

276 100

138 26.7 21.2 31.8

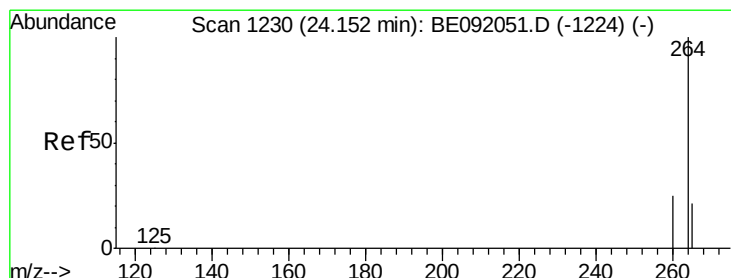
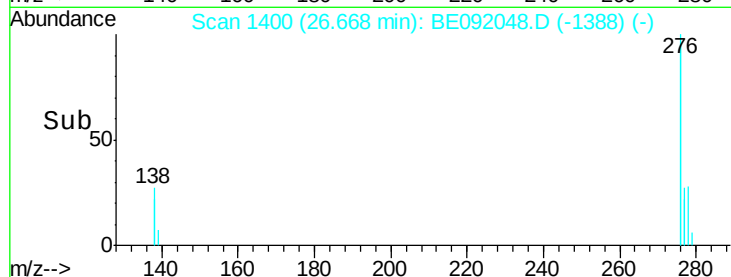
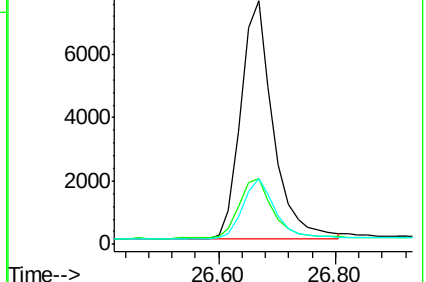
277 24.9 19.8 29.8



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: BE092048.D

Acq: 27 Jul 2016 9:10

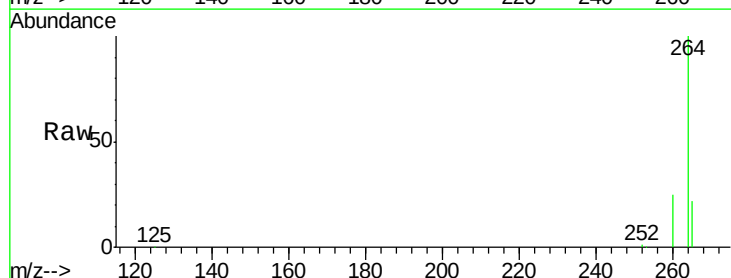
Tgt Ion:264 Resp: 70915

Ion Ratio Lower Upper

264 100

260 25.0 20.8 31.2

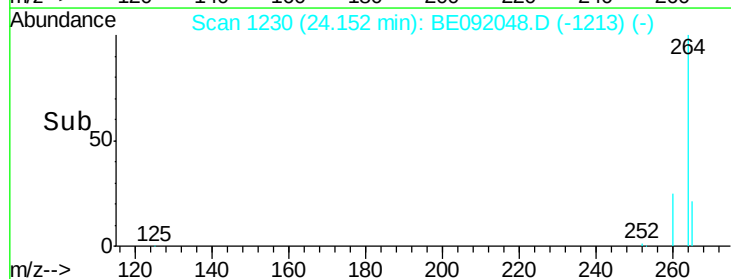
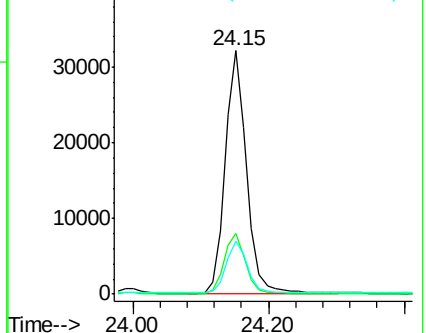
265 21.8 16.6 25.0

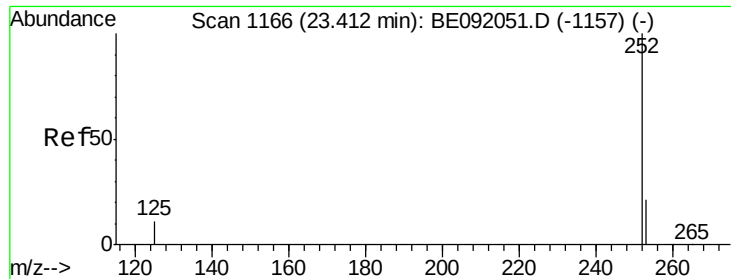


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.34 ng

RT: 23.41 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

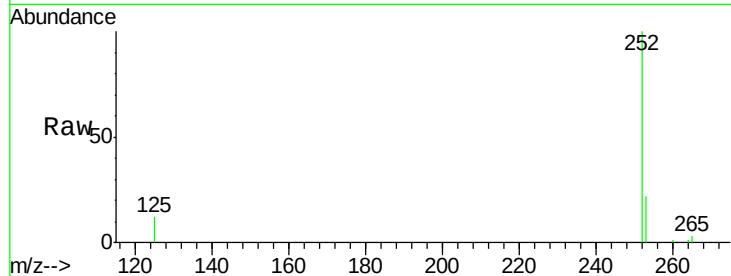
Tgt Ion:252 Resp: 8370

Ion Ratio Lower Upper

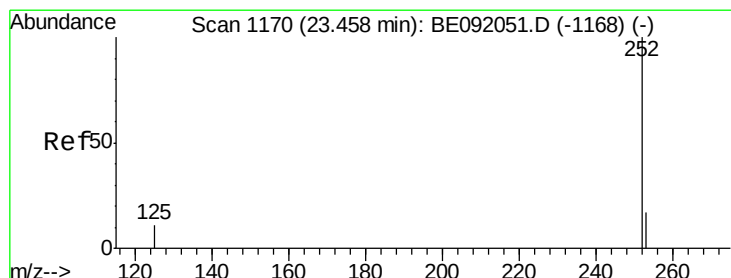
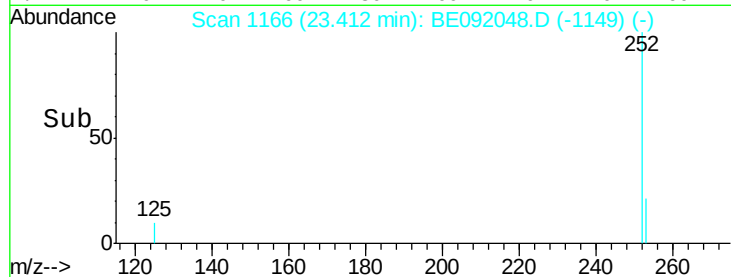
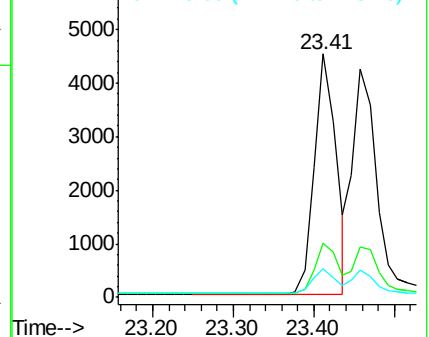
252 100

253 22.2 17.4 26.0

125 11.8 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: 0.36 ng

RT: 23.46 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

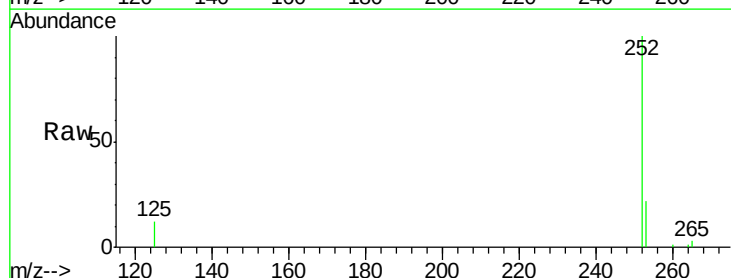
Tgt Ion:252 Resp: 8761

Ion Ratio Lower Upper

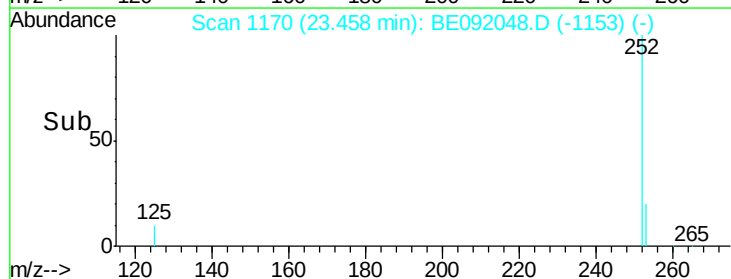
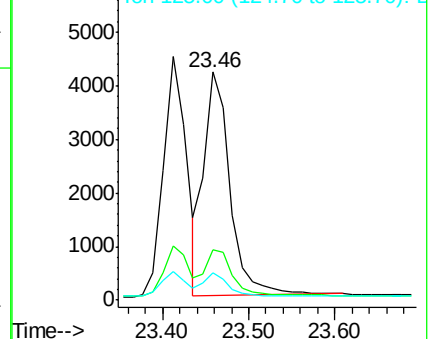
252 100

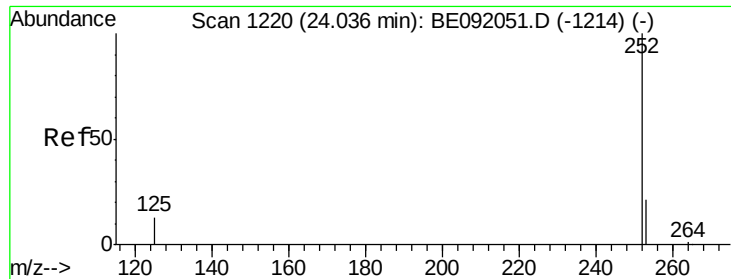
253 21.9 19.4 29.0

125 11.9 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: 0.37 ng

RT: 24.04 min Scan# 1220

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

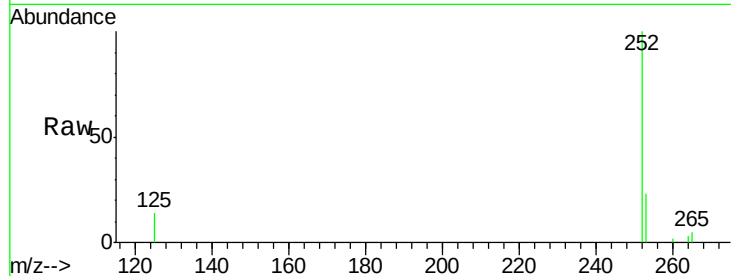
Tgt Ion: 252 Resp: 7161

Ion Ratio Lower Upper

252 100

253 22.8 19.8 29.8

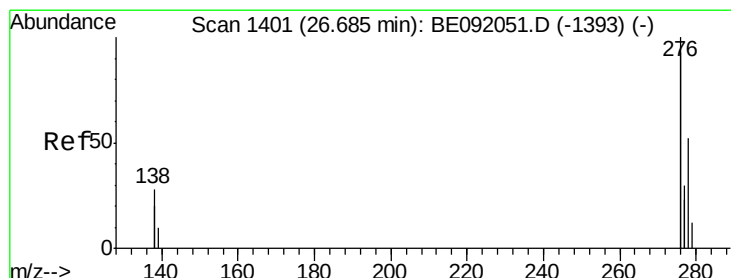
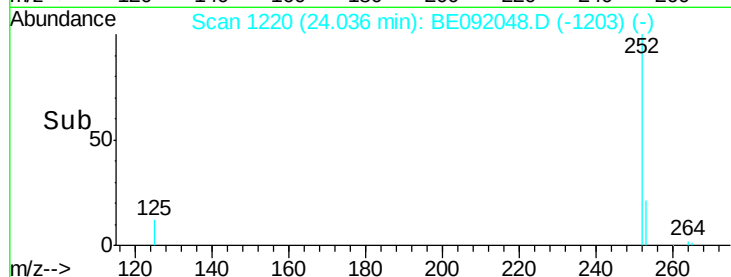
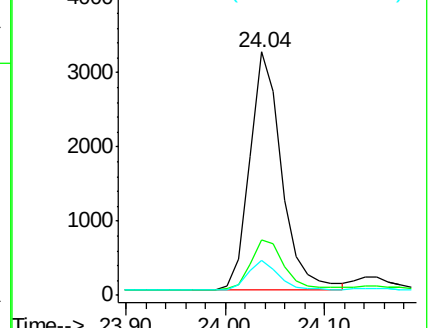
125 14.2 10.4 15.6



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



#44

Dibenzo(a,h)anthracene

Concen: 0.37 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BE092048.D

Acq: 27 Jul 2016 9:10

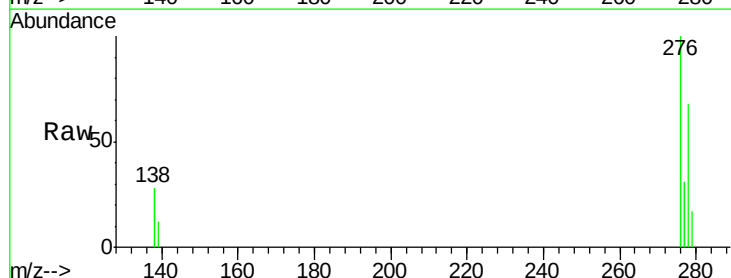
Tgt Ion: 278 Resp: 5919

Ion Ratio Lower Upper

278 100

139 18.1 16.7 25.1

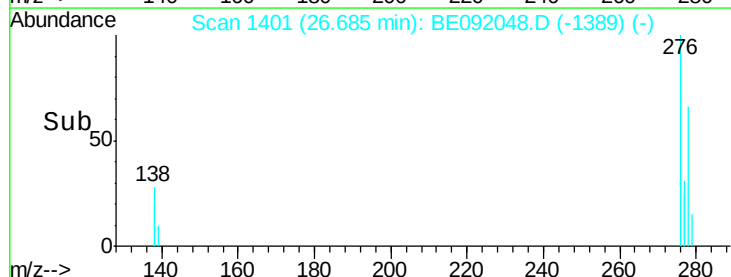
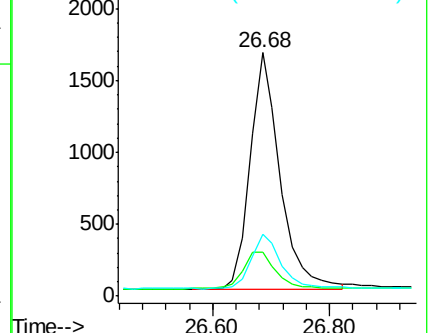
279 25.3 20.3 30.5

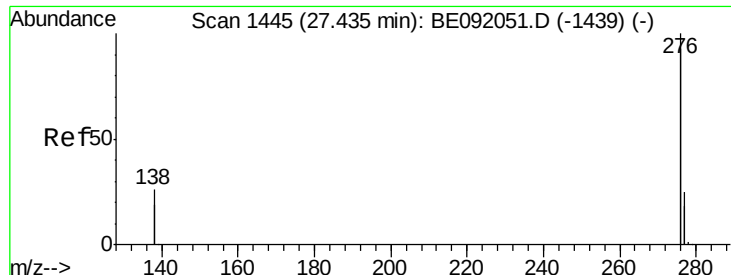


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 0.37 ng

RT: 27.43 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE092048.D

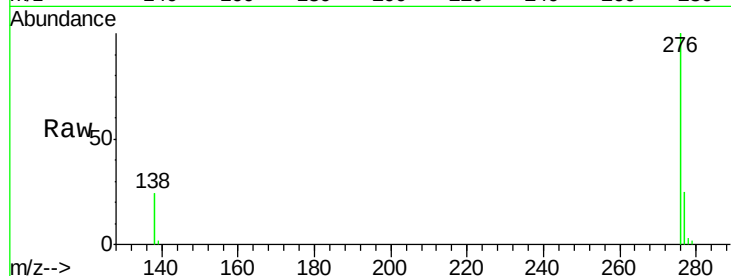
Acq: 27 Jul 2016 9:10

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4



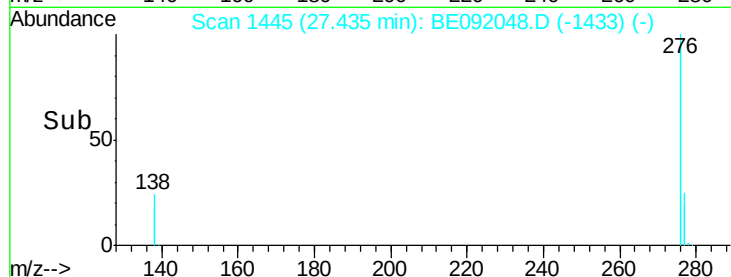
Tgt Ion: 276 Resp: 24509

Ion Ratio Lower Upper

276 100

277 24.9 19.5 29.3

138 24.4 20.8 31.2



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

