

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072716\
 Data File : BE092064.D
 Acq On : 28 Jul 2016 2:28
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Jul 28 05:43:14 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 17:13:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	10369	5.00	ng	-0.02
8) Naphthalene-d8	10.99	136	48672	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	21207	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	65749	5.00	ng	0.00
31) Chrysene-d12	21.76	240	55753	5.00	ng	0.00
40) Perylene-d12	24.15	264	74239	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.70	112	961	0.42	ng	-0.02
5) Phenol-d6	7.35	99	1241	0.40	ng	0.00
9) Nitrobenzene-d5	9.36	82	1273	0.35	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	302	0.48	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	3457	0.41	ng	0.00
34) Terphenyl-d14	20.20	244	4969	0.48	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	532	0.37	ng	96
3) n-Nitrosodimethylamine	3.82	42	620	0.36	ng	100
6) bis(2-Chloroethyl)ether	7.61	93	1127	0.38	ng	94
7) n-Nitroso-di-n-propylamine	9.00	70	997	0.40	ng	99
10) Nitrobenzene	9.40	77	1339	0.38	ng	99
11) bis(2-Chloroethoxy)methane	10.42	93	1895	0.47	ng	# 78
12) Naphthalene	11.04	128	4296	0.40	ng	99
13) Hexachlorobutadiene	11.32	225	668	0.42	ng	# 98
14) 2-Methylnaphthalene	12.66	142	2797	0.41	ng	94
18) Acenaphthylene	14.56	152	22296	0.41	ng	98
19) 2,6-Dinitrotoluene	14.44	165	1976	0.42	ng	# 100
20) Acenaphthene	14.89	154	2350	0.41	ng	# 84
21) 2,4-Dinitrotoluene	15.22	165	5034	0.76	ng	# 1
22) Fluorene	15.90	166	3657	0.40	ng	98
23) 4-Chlorophenyl-phenylether	15.90	204	1773	0.40	ng	92
25) 4-Bromophenyl-phenylether	16.78	248	1067	0.39	ng	97
26) Hexachlorobenzene	16.90	284	1114	0.40	ng	99
27) Pentachlorophenol	17.25	266	570	0.91	ng	# 87
28) Phenanthrene	17.63	178	6644	0.40	ng	100
29) Anthracene	17.72	178	5987	0.39	ng	100
30) Fluoranthene	19.63	202	31698	0.43	ng	99
32) Benzidine	19.81	184	4181	1.50	ng	# 78
33) Pyrene	19.99	202	34074	0.47	ng	100
35) Benzo(a)anthracene	21.73	228	19793	0.83	ng	94
36) 3,3'-Dichlorobenzidine	21.67	252	3115	0.67	ng	# 92
37) Chrysene	21.73	228	20005	1.02	ng	96
38) Bis(2-ethylhexyl)phthalate	21.64	149	34042	0.69	ng	# 97
39) Indeno(1,2,3-cd)pyrene	26.67	276	34473	0.53	ng	100
41) Benzo(b)fluoranthene	23.41	252	9055	0.41	ng	97
42) Benzo(k)fluoranthene	23.46	252	8926	0.40	ng	98
43) Benzo(a)pyrene	24.04	252	7817	0.41	ng	97
44) Dibenzo(a,h)anthracene	26.68	278	6981	0.42	ng	97
45) Benzo(g,h,i)perylene	27.43	276	28970	0.42	ng	97

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Response via : Initial Calibration

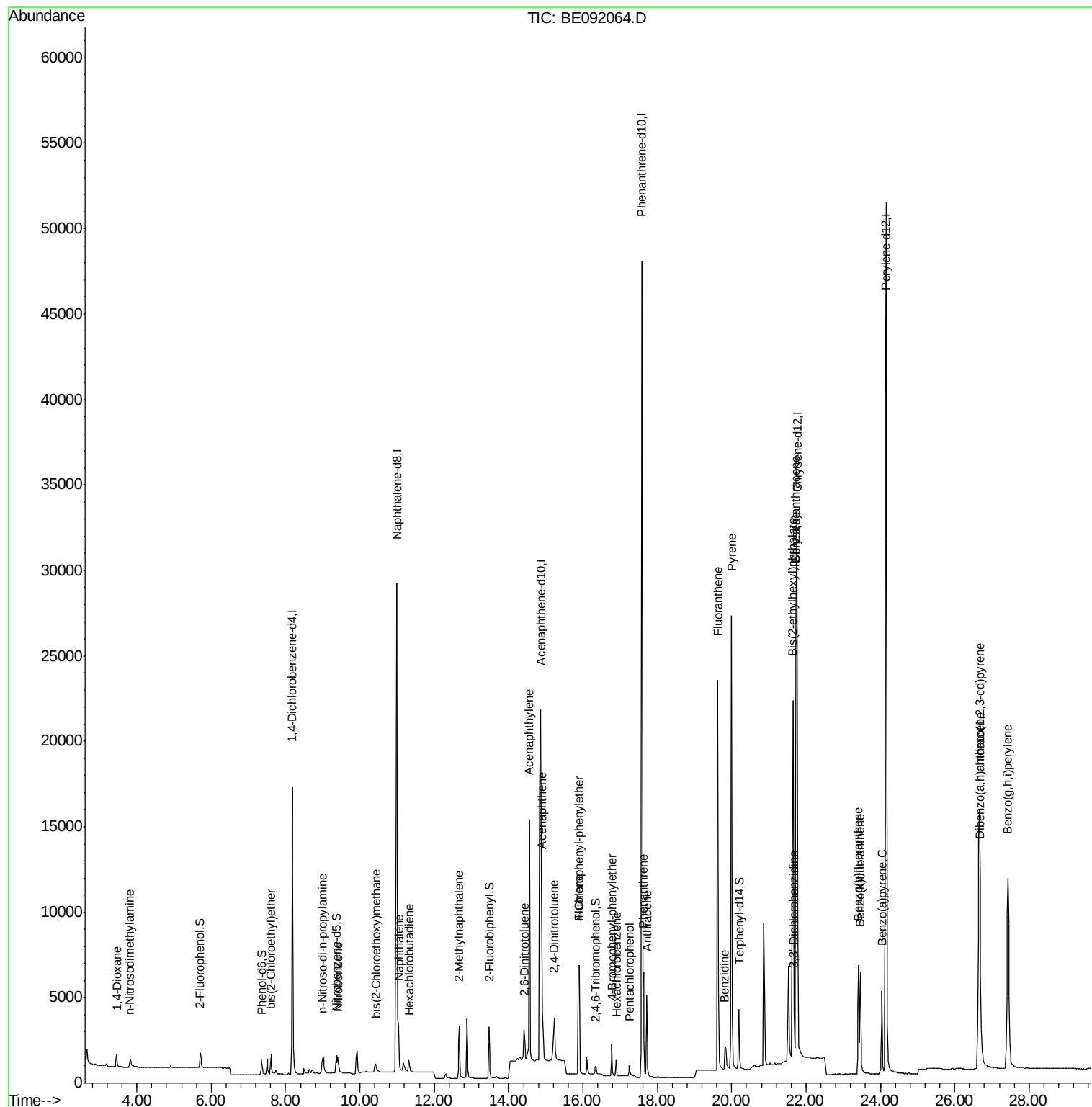
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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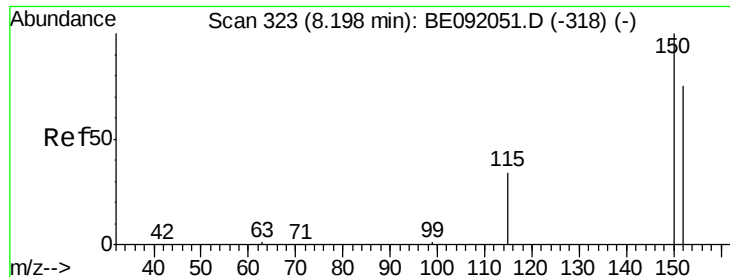
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

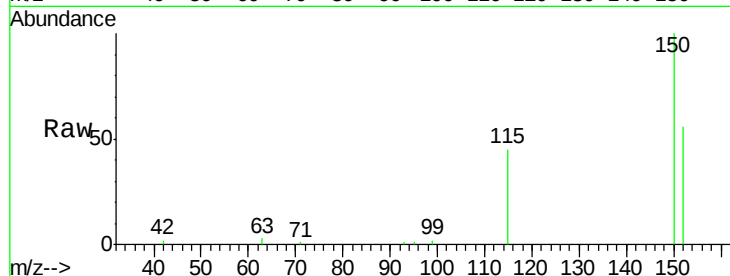
Tgt Ion: 152 Resp: 10369

Ion Ratio Lower Upper

152 100

150 178.4 106.0 159.0#

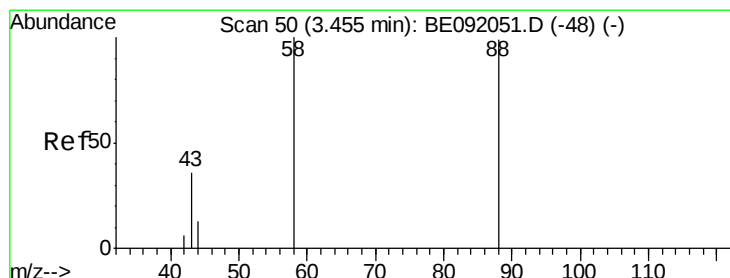
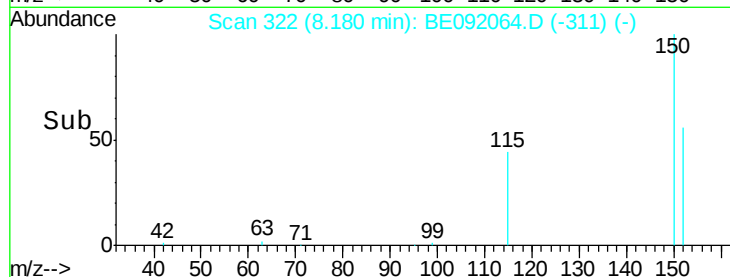
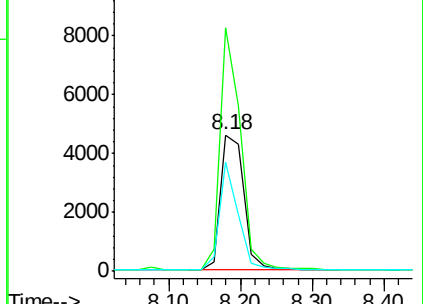
115 79.6 36.9 55.3#



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: 0.37 ng

RT: 3.45 min Scan# 50

Delta R.T. -0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

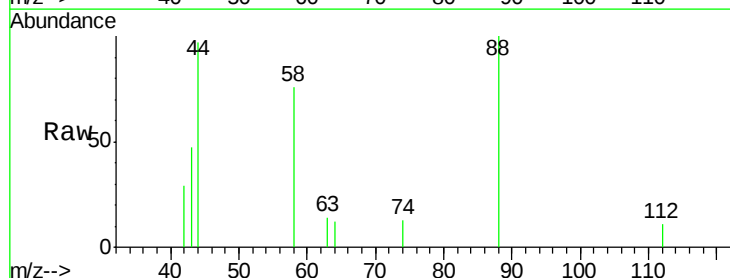
Tgt Ion: 88 Resp: 532

Ion Ratio Lower Upper

88 100

58 81.0 62.1 93.1

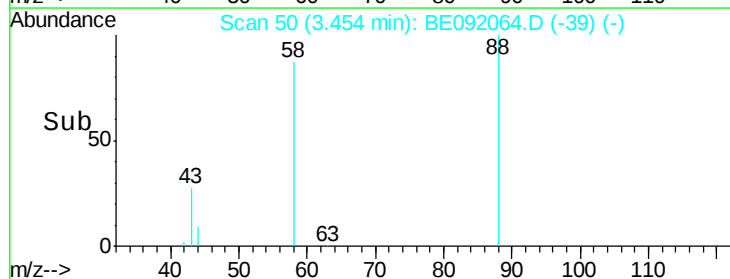
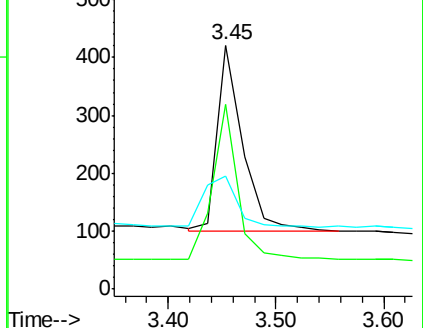
43 35.5 27.2 40.8

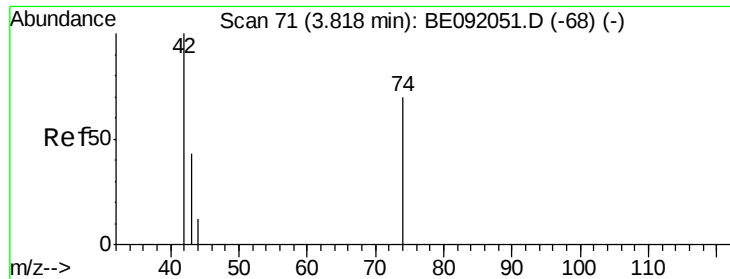


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

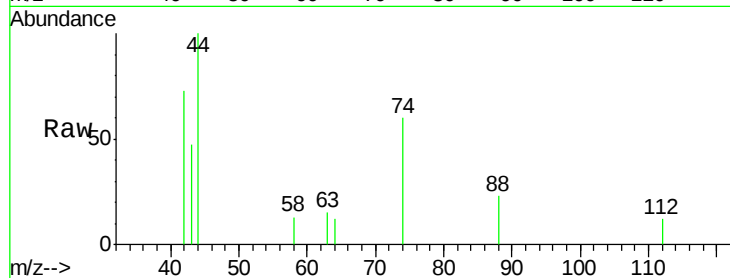
Tgt Ion: 42 Resp: 620

Ion Ratio Lower Upper

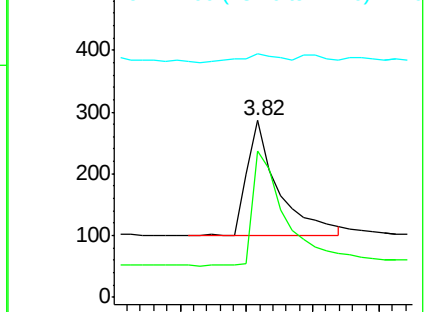
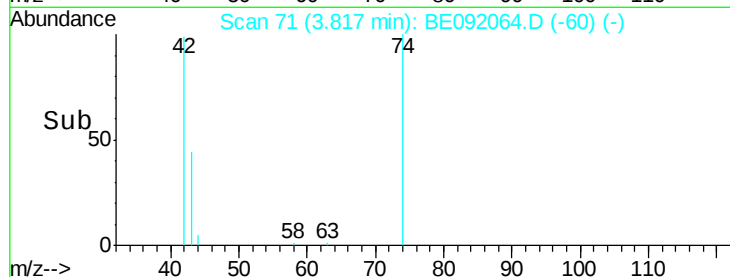
42 100

74 103.1 82.8 124.2

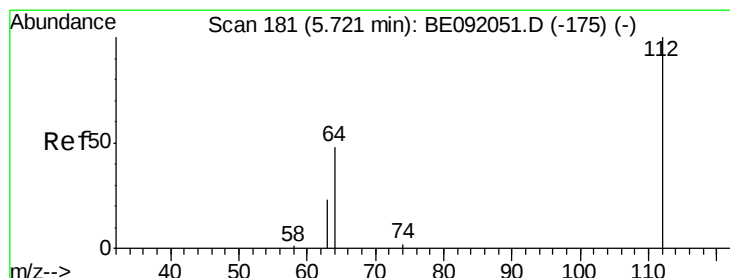
44 10.8 9.0 13.4



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



Time-->



#4

2-Fluorophenol

Concen: 0.42 ng

RT: 5.70 min Scan# 180

Delta R.T. -0.02 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

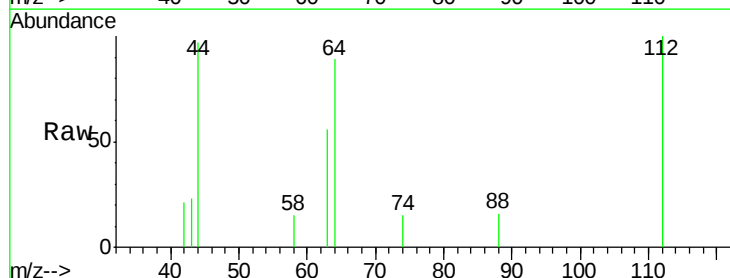
Tgt Ion: 112 Resp: 961

Ion Ratio Lower Upper

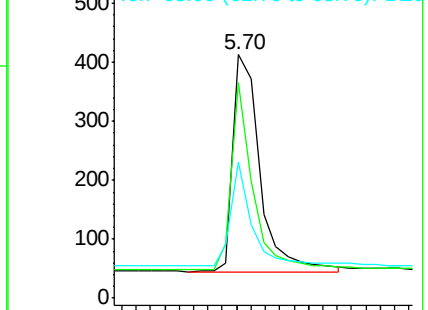
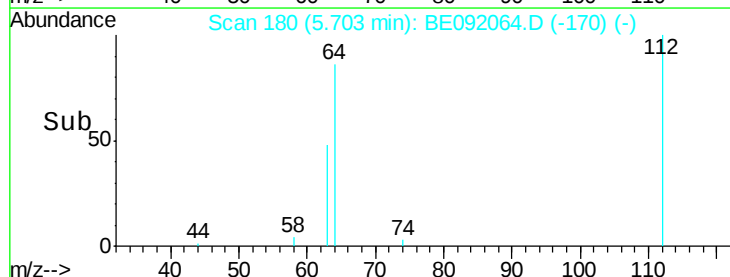
112 100

64 66.9 55.9 83.9

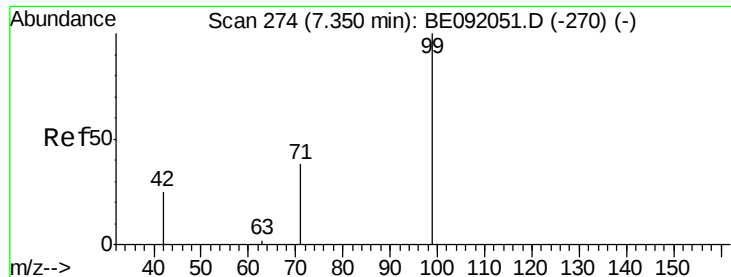
63 37.4 31.1 46.7



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



Time-->



#5

Phenol-d6

Concen: 0.40 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

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ClientSampleId :

SSTDCCC0.4

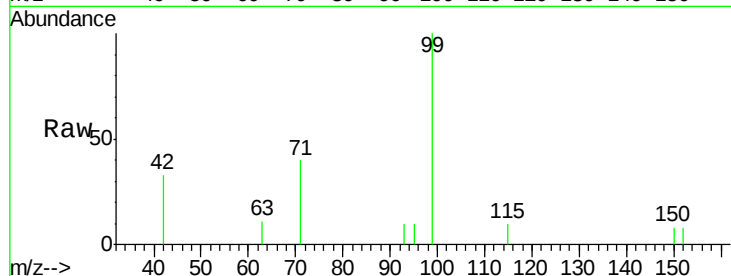
Tgt Ion: 99 Resp: 1241

Ion Ratio Lower Upper

99 100

42 28.0 22.4 33.6

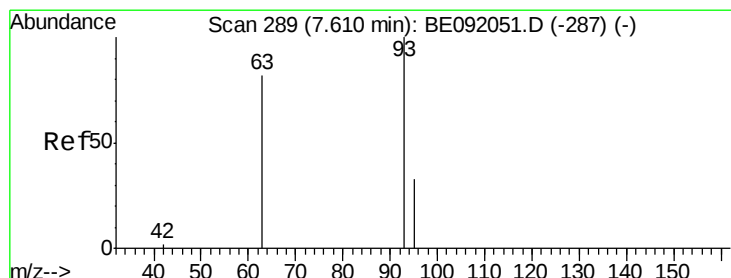
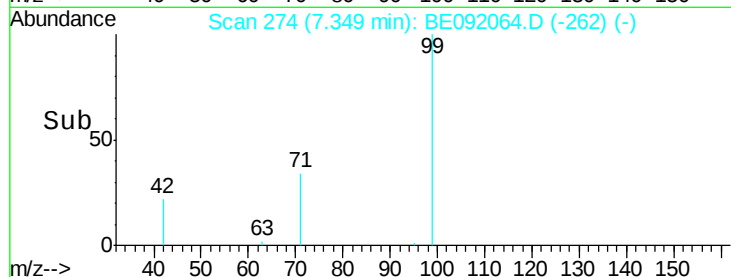
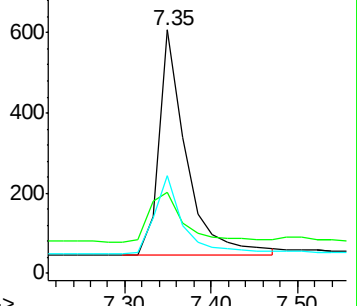
71 35.9 28.9 43.3



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: 0.38 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

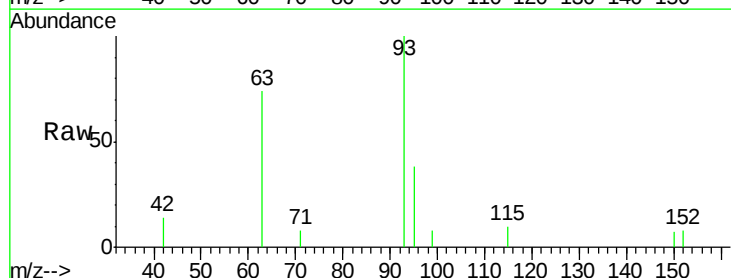
Tgt Ion: 93 Resp: 1127

Ion Ratio Lower Upper

93 100

63 86.9 64.4 96.6

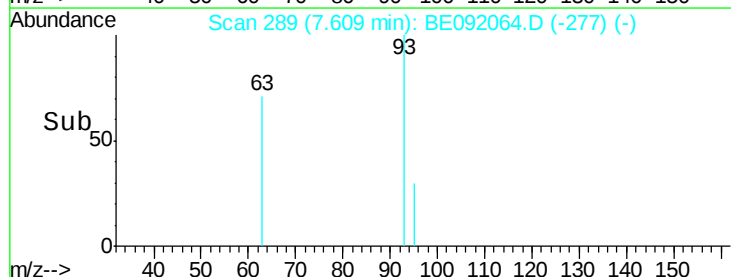
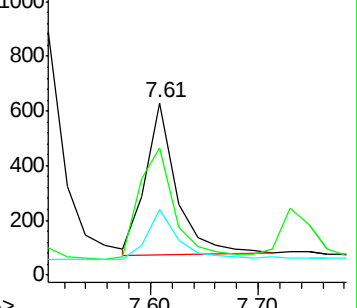
95 34.3 25.8 38.8

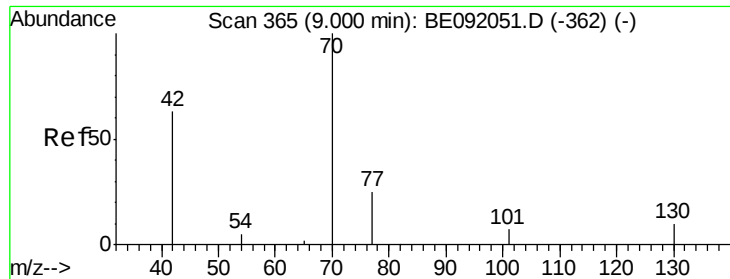


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.40 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 70 Resp: 997

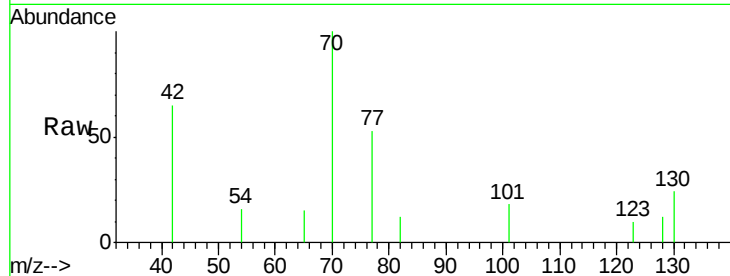
Ion Ratio Lower Upper

70 100

42 75.6 60.2 90.4

101 9.8 6.8 10.2

130 16.8 13.3 19.9

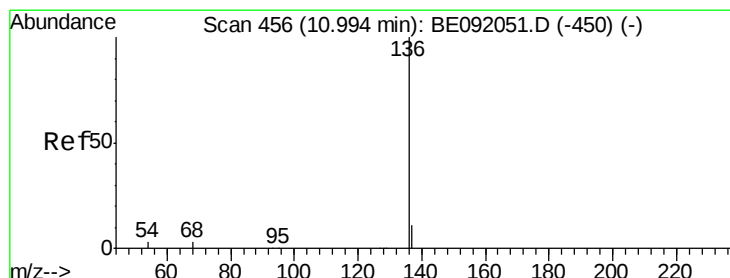
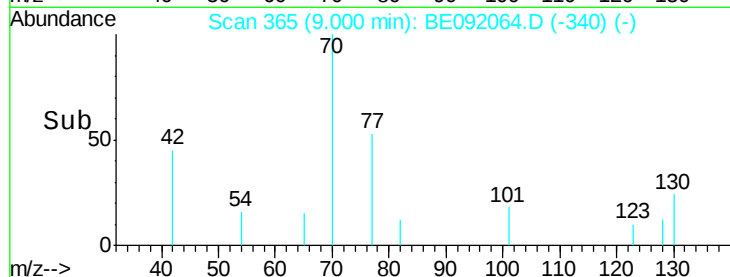
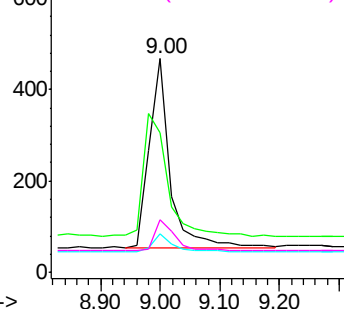


Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): BE0

Ion 130.00 (129.70 to 130.70): BE0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

Tgt Ion: 136 Resp: 48672

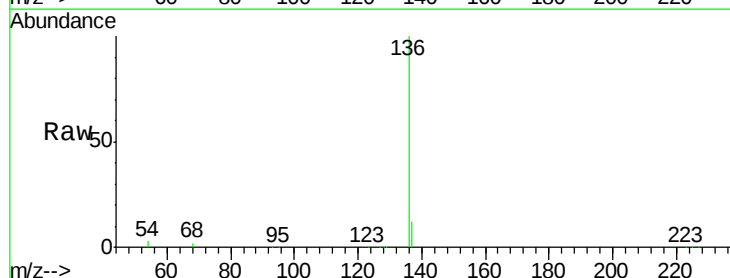
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 2.9 2.7 4.1

68 2.4 2.2 3.4

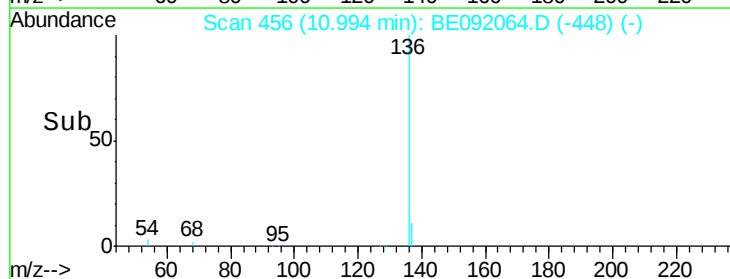
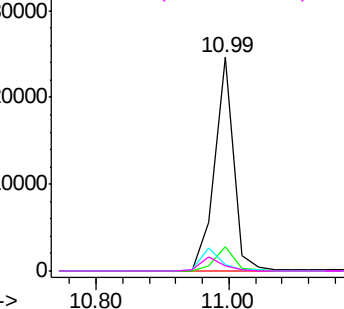


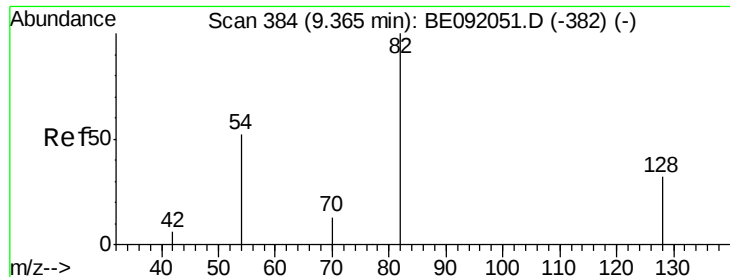
Abundance Ion 136.00 (135.70 to 136.70): BE0

Ion 137.00 (136.70 to 137.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#9

Nitrobenzene-d5

Concen: 0.35 ng

RT: 9.36 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

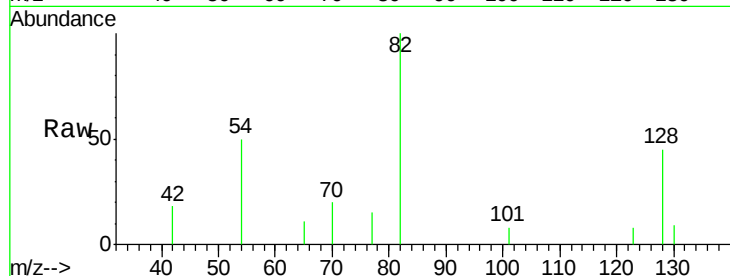
Tgt Ion: 82 Resp: 1273

Ion Ratio Lower Upper

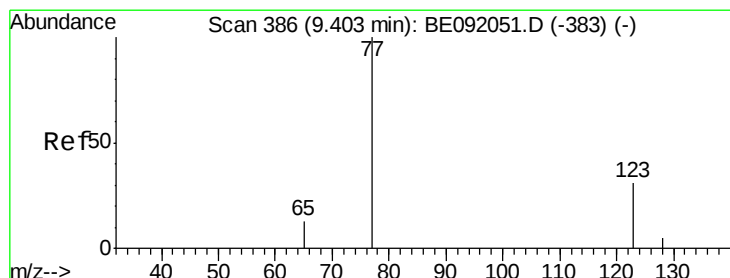
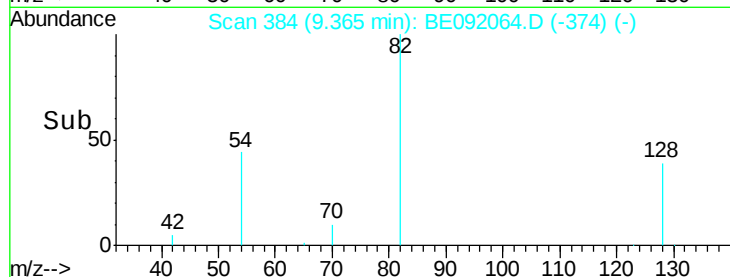
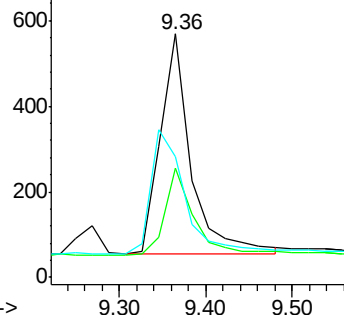
82 100

128 45.0 33.0 49.4

54 49.6 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: 0.38 ng

RT: 9.40 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

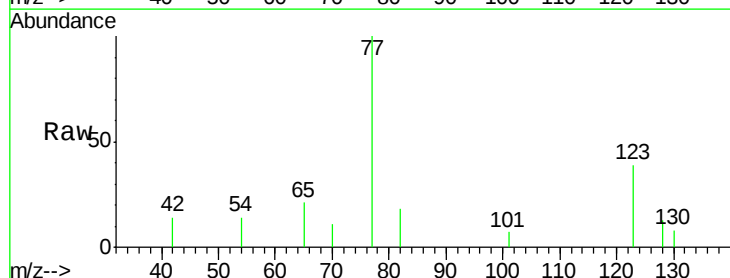
Tgt Ion: 77 Resp: 1339

Ion Ratio Lower Upper

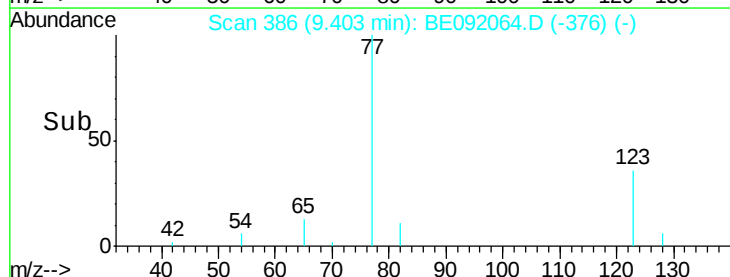
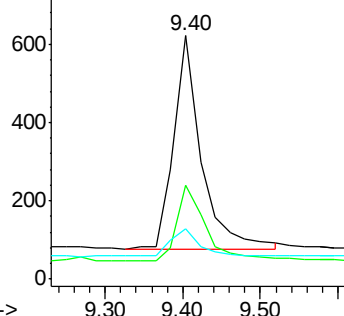
77 100

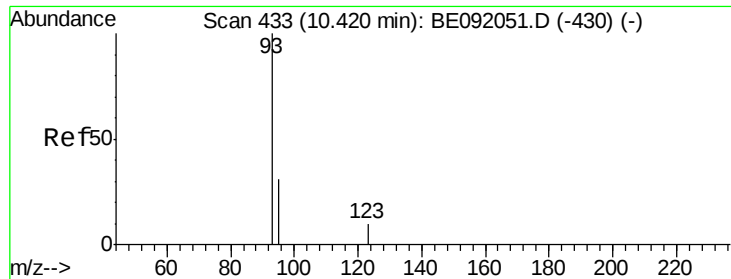
123 37.7 29.9 44.9

65 15.3 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

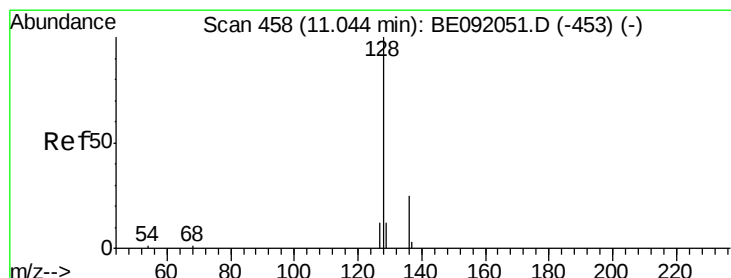
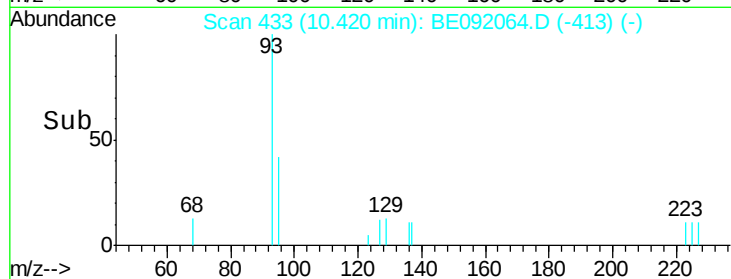
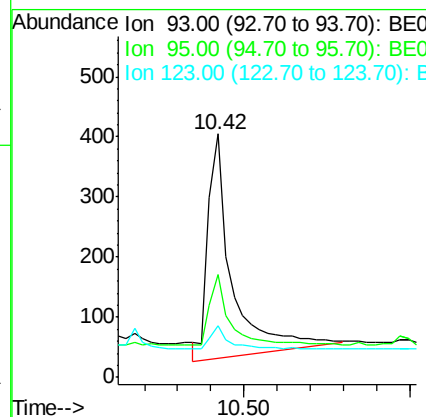
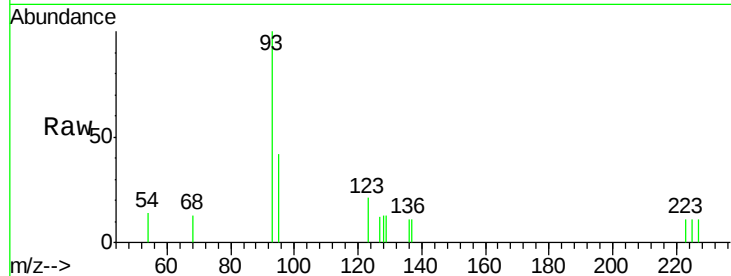




#11
 bis(2-Chloroethoxy)methane
 Concen: 0.47 ng
 RT: 10.42 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: BE092064.D
 Acq: 28 Jul 2016 2:28

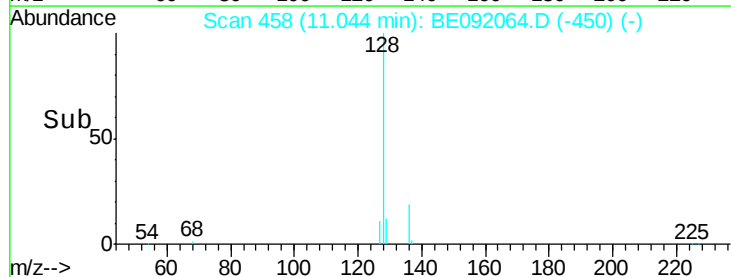
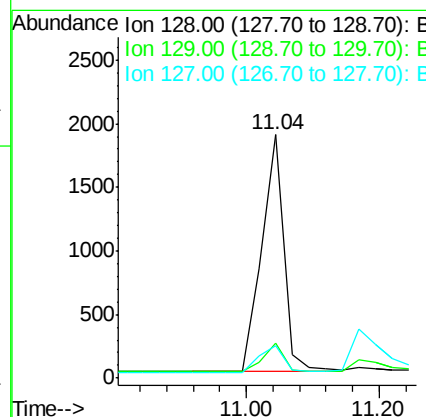
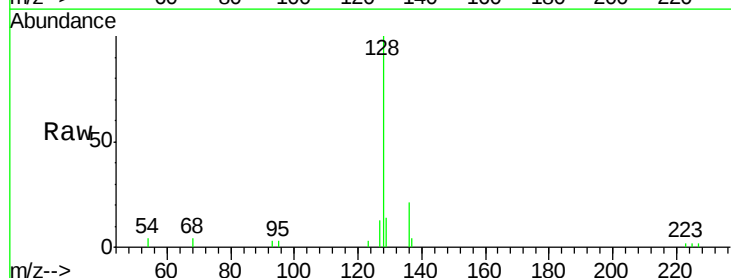
Instrument :
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 ClientSampleId :
 SSTDCCC0.4

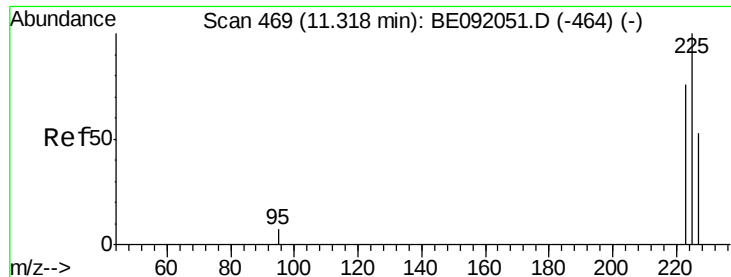
Tgt Ion: 93 Resp: 1895
 Ion Ratio Lower Upper
 93 100
 95 47.2 25.0 37.6#
 123 9.1 7.8 11.8



#12
 Naphthalene
 Concen: 0.40 ng
 RT: 11.04 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: BE092064.D
 Acq: 28 Jul 2016 2:28

Tgt Ion: 128 Resp: 4296
 Ion Ratio Lower Upper
 128 100
 129 14.2 11.1 16.7
 127 13.5 11.3 16.9

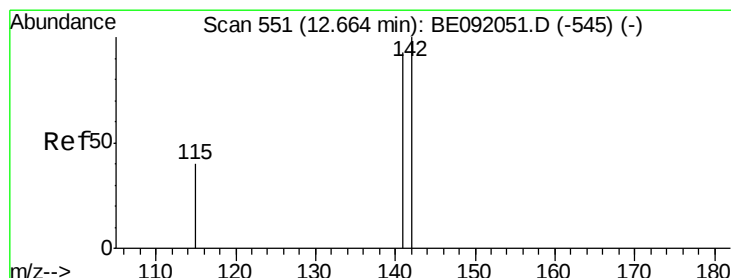
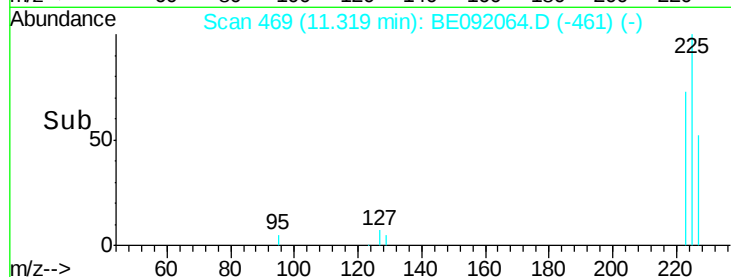
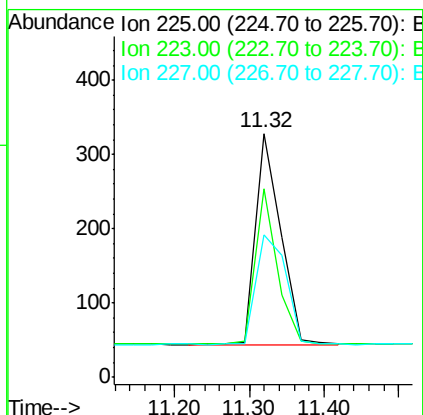
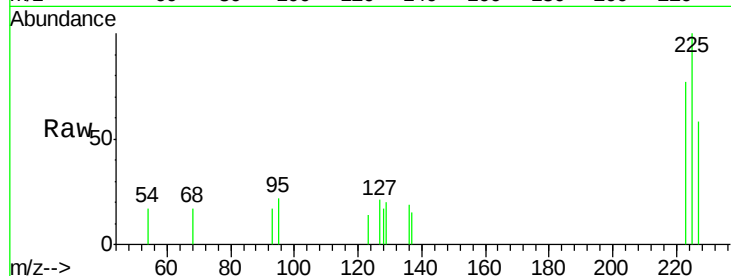




#13
Hexachlorobutadiene
Concen: 0.42 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092064.D
Acq: 28 Jul 2016 2:28

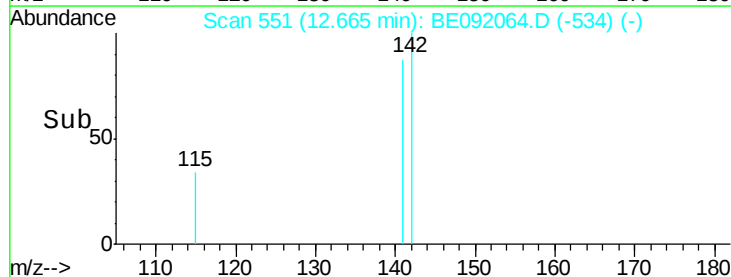
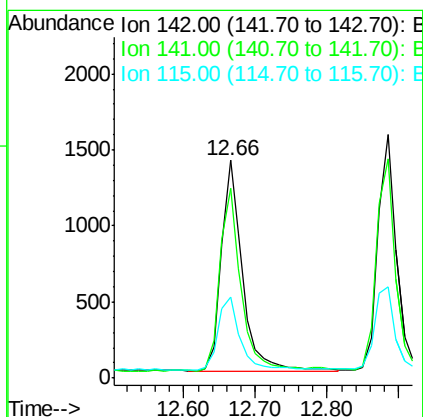
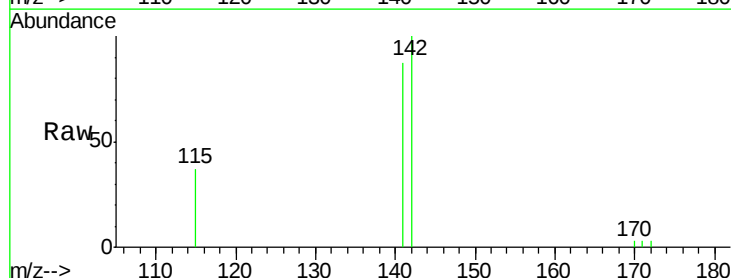
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

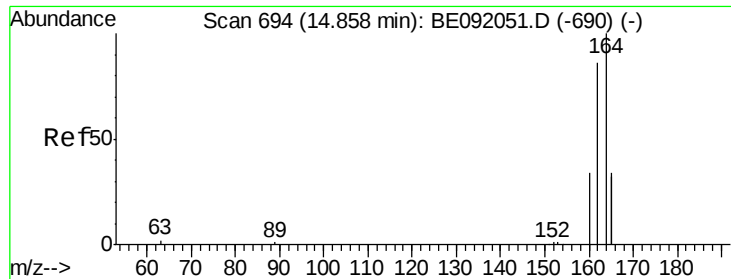
Tgt Ion: 225 Resp: 668
Ion Ratio Lower Upper
225 100
223 63.5 51.9 77.9
227 62.1 0.0 0.0#



#14
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.66 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092064.D
Acq: 28 Jul 2016 2:28

Tgt Ion: 142 Resp: 2797
Ion Ratio Lower Upper
142 100
141 87.2 65.1 97.7
115 37.3 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: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

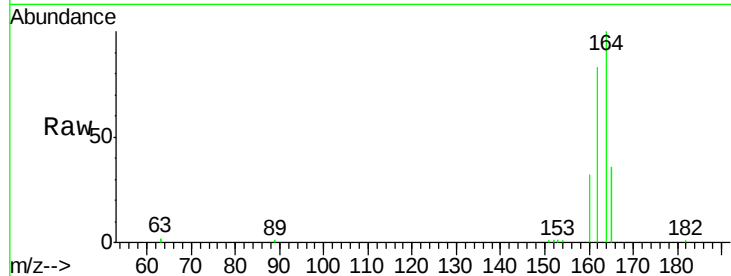
Tgt Ion:164 Resp: 21207

Ion Ratio Lower Upper

164 100

162 83.0 69.5 104.3

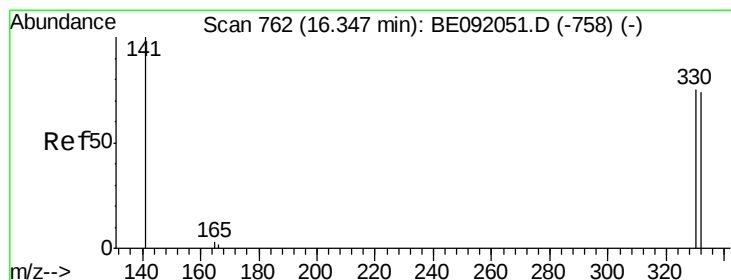
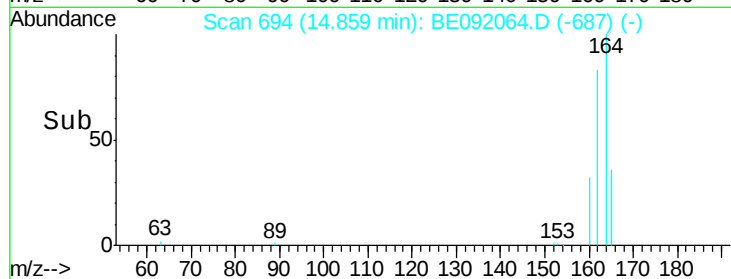
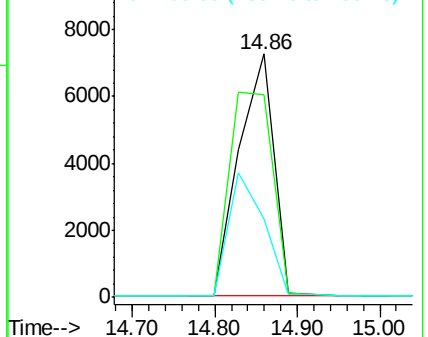
160 32.0 27.6 41.4



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: 0.48 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

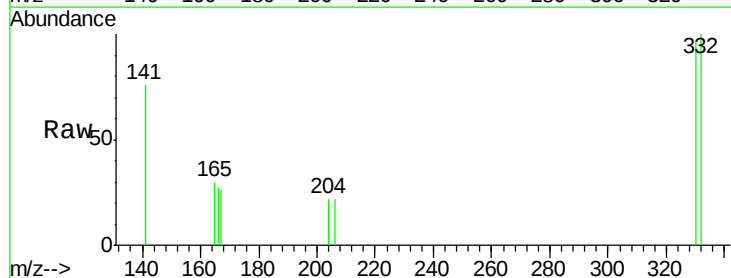
Tgt Ion:330 Resp: 302

Ion Ratio Lower Upper

330 100

332 98.7 74.2 111.4

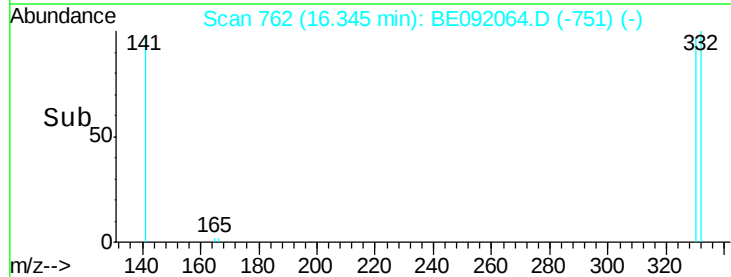
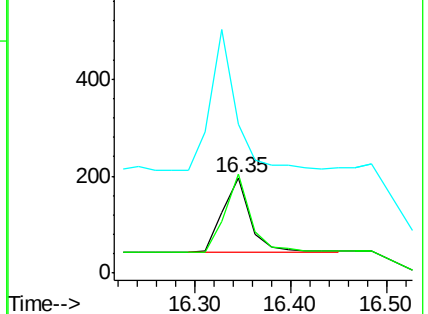
141 178.1 139.8 209.8

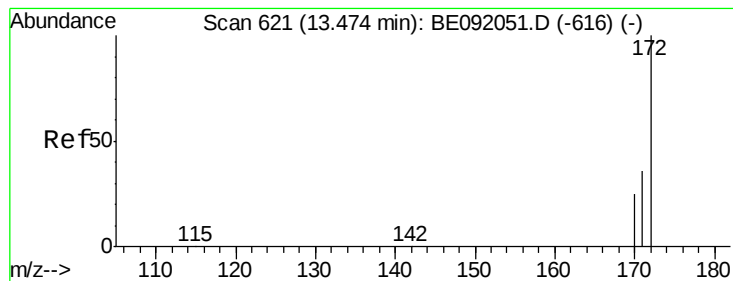


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

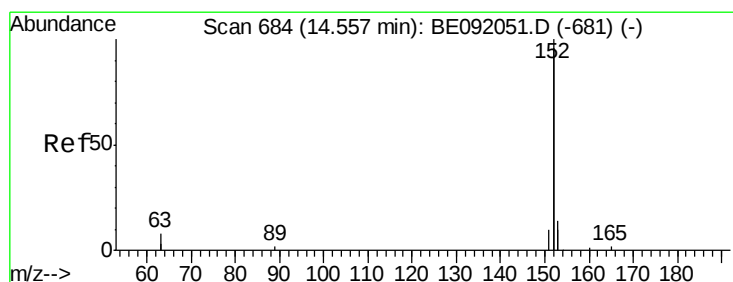
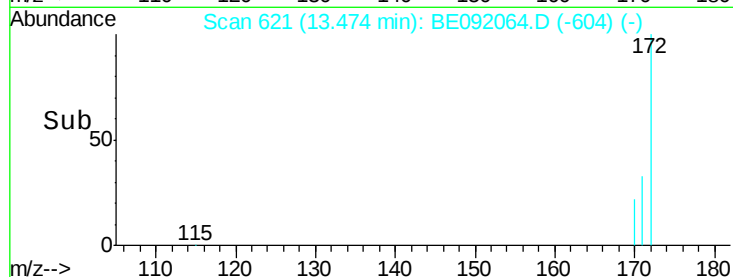
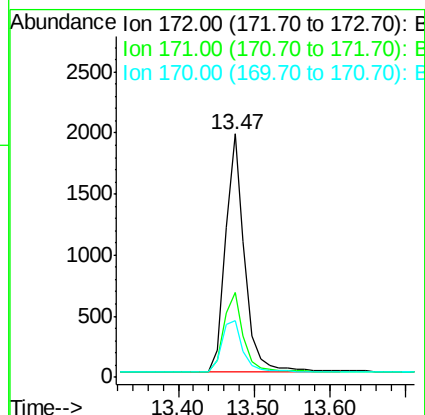
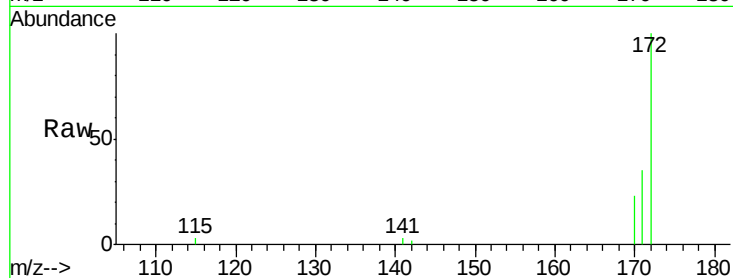




#17
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.47 min Scan# 621
Delta R.T. 0.00 min
Lab File: BE092064.D
Acq: 28 Jul 2016 2:28

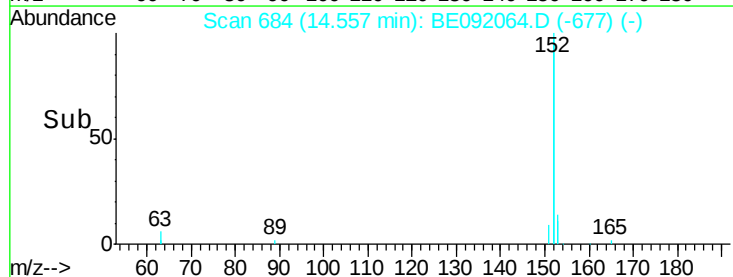
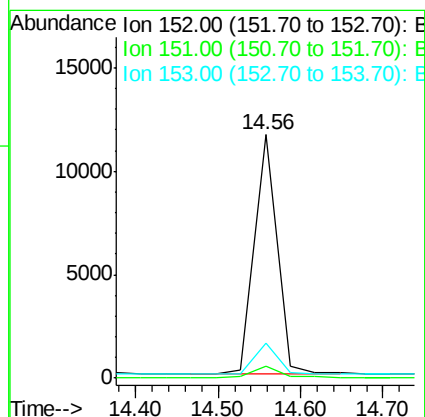
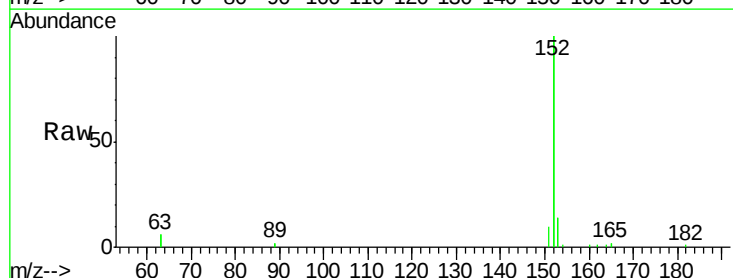
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

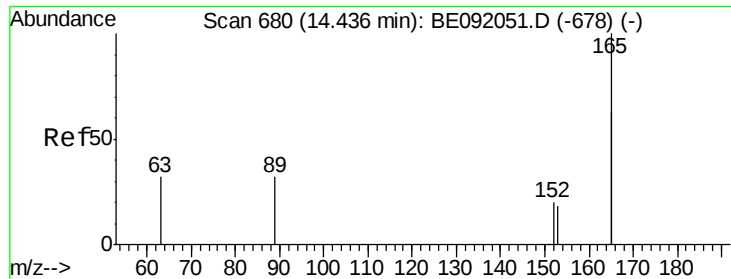
Tgt Ion:172 Resp: 3457
Ion Ratio Lower Upper
172 100
171 34.6 30.3 45.5
170 23.3 21.6 32.4



#18
Acenaphthylene
Concen: 0.41 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092064.D
Acq: 28 Jul 2016 2:28

Tgt Ion:152 Resp: 22296
Ion Ratio Lower Upper
152 100
151 4.6 4.0 6.0
153 13.0 9.6 14.4

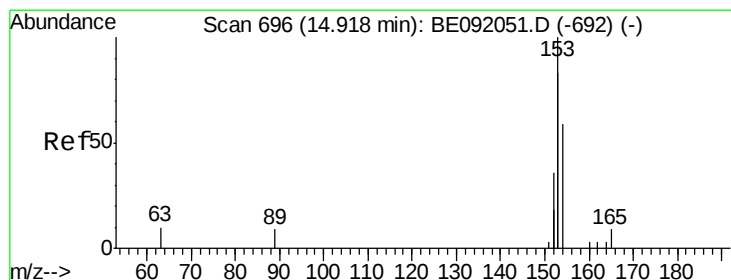
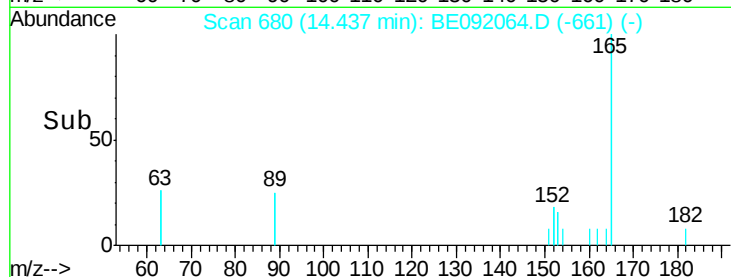
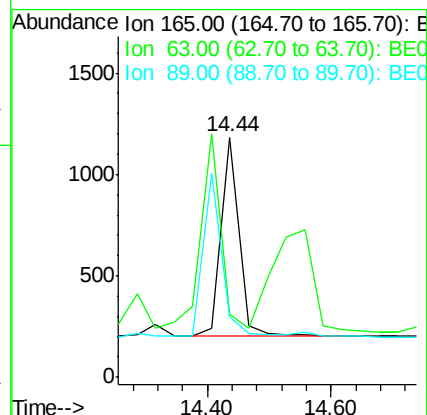
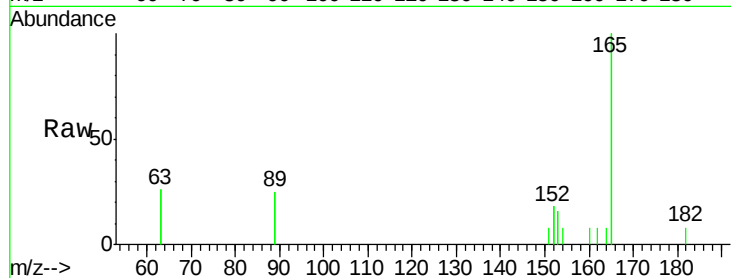




#19
2,6-Dinitrotoluene
Concen: 0.42 ng
RT: 14.44 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE092064.D
Acq: 28 Jul 2016 2:28

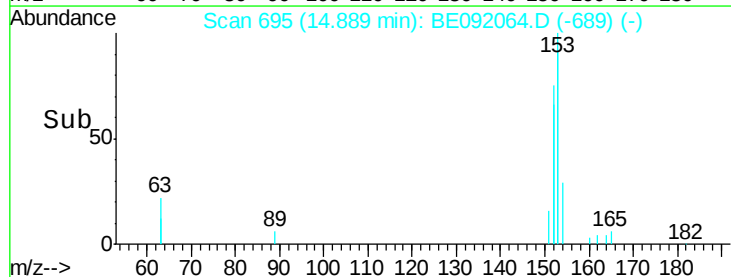
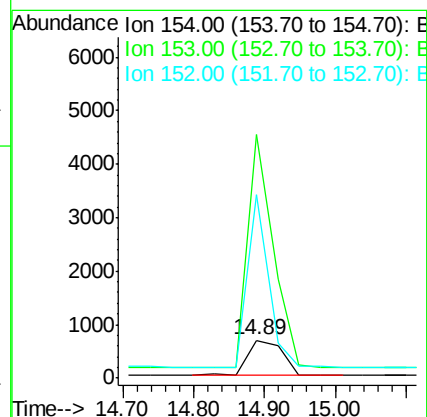
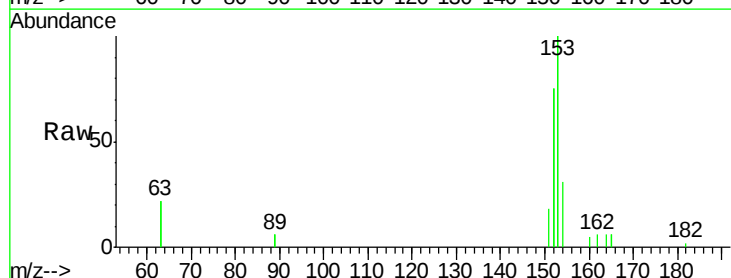
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

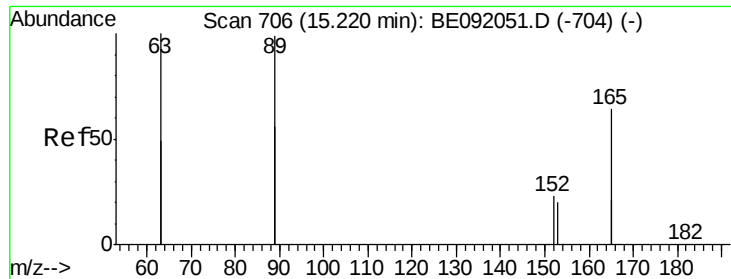
Tgt Ion:165 Resp: 1976
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 0.0 0.0



#20
Acenaphthene
Concen: 0.41 ng
RT: 14.89 min Scan# 695
Delta R.T. -0.03 min
Lab File: BE092064.D
Acq: 28 Jul 2016 2:28

Tgt Ion:154 Resp: 2350
Ion Ratio Lower Upper
154 100
153 471.7 345.1 517.7
152 285.3 0.0 0.0#

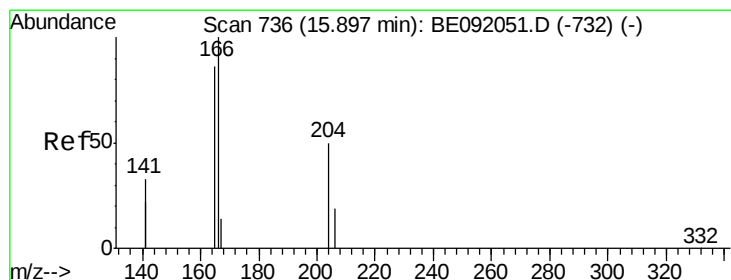
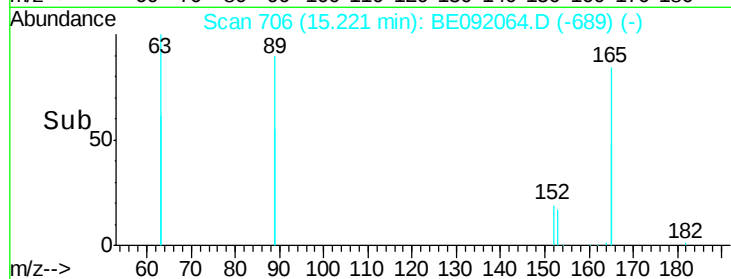
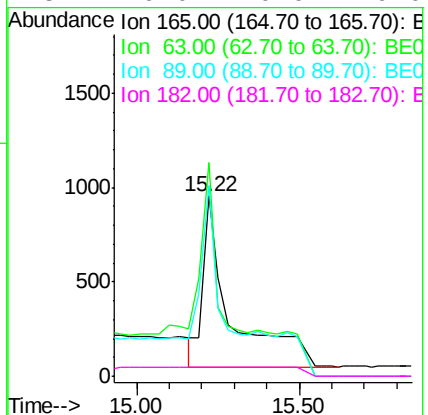
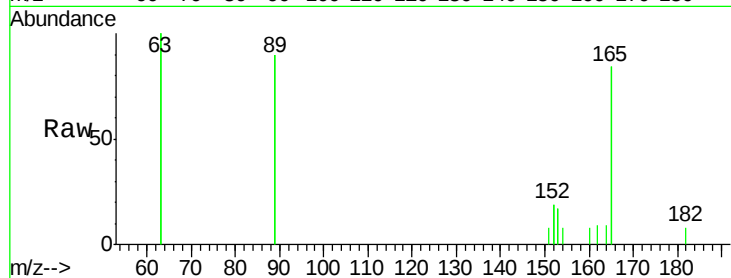




#21
2,4-Dinitrotoluene
Concen: 0.76 ng
RT: 15.22 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE092064.D
Acq: 28 Jul 2016 2:28

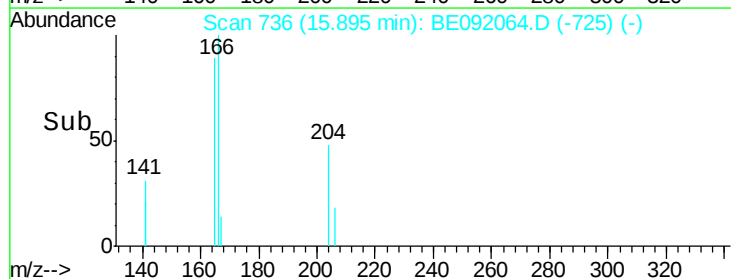
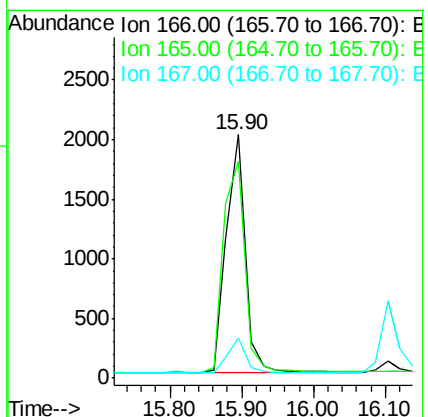
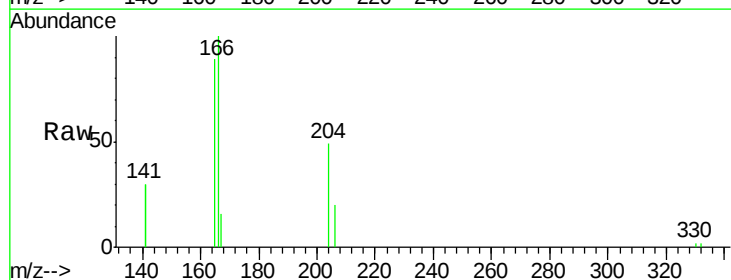
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

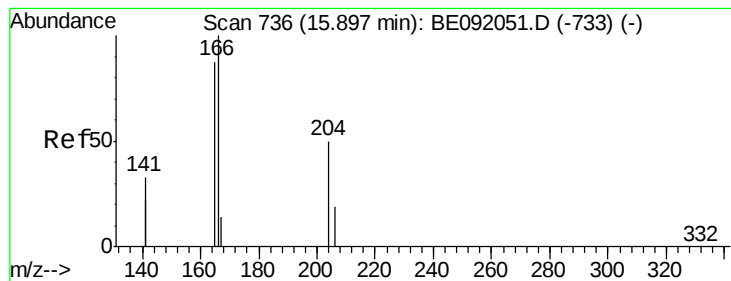
Tgt Ion:165 Resp: 5034
Ion Ratio Lower Upper
165 100
63 154.7 324.0 486.0#
89 45.9 308.4 462.6#
182 0.0 0.0 0.0



#22
Fluorene
Concen: 0.40 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092064.D
Acq: 28 Jul 2016 2:28

Tgt Ion:166 Resp: 3657
Ion Ratio Lower Upper
166 100
165 100.2 78.6 118.0
167 13.3 11.1 16.7





#23

4-Chlorophenyl-phenylether

Concen: 0.40 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

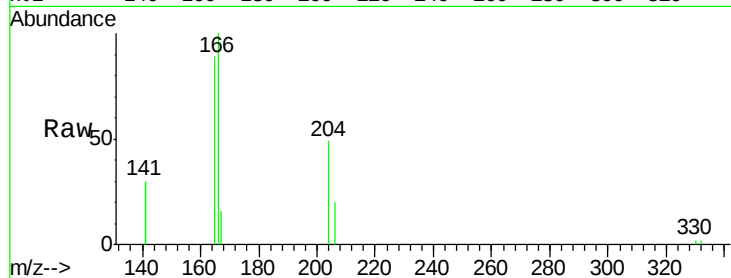
Tgt Ion:204 Resp: 1773

Ion Ratio Lower Upper

204 100

206 40.0 27.0 40.4

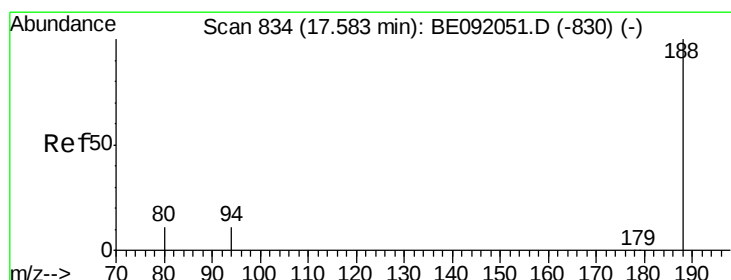
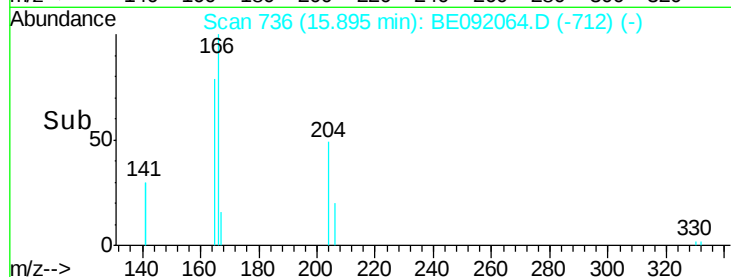
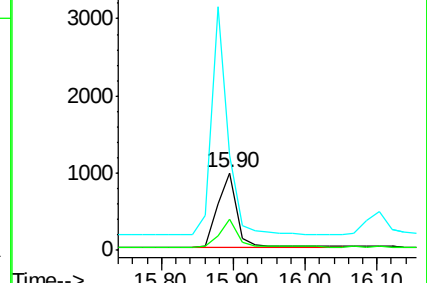
141 262.0 198.5 297.7



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: BE092064.D

Acq: 28 Jul 2016 2:28

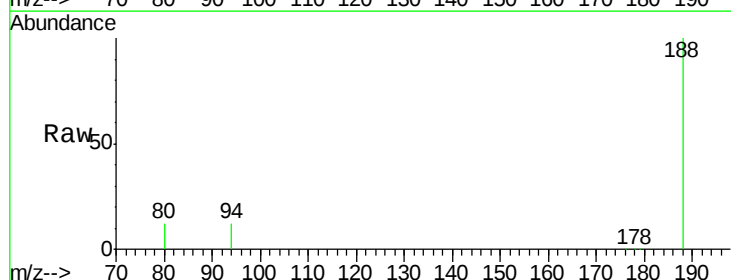
Tgt Ion:188 Resp: 65749

Ion Ratio Lower Upper

188 100

94 11.8 3.9 5.9#

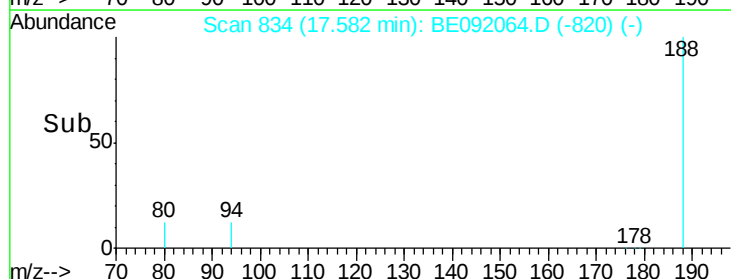
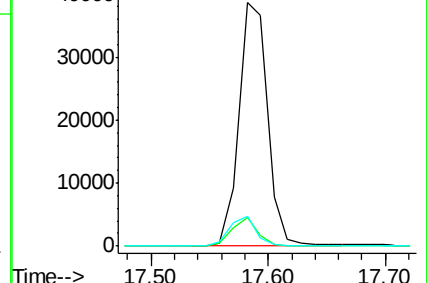
80 12.0 3.4 5.0#

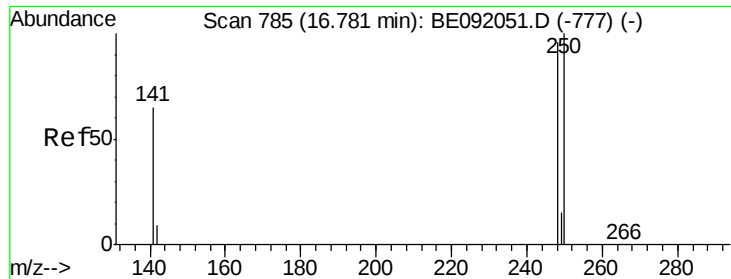


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#25

4-Bromophenyl-phenylether

Concen: 0.39 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

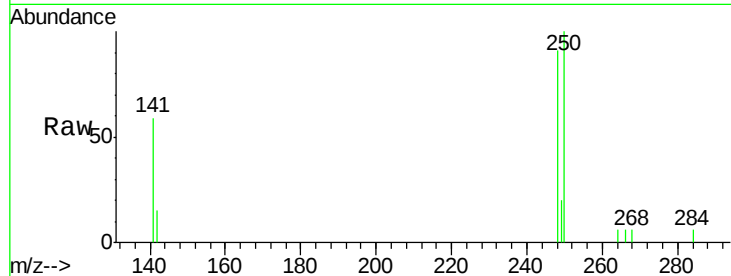
Tgt Ion:248 Resp: 1067

Ion Ratio Lower Upper

248 100

250 97.3 79.6 119.4

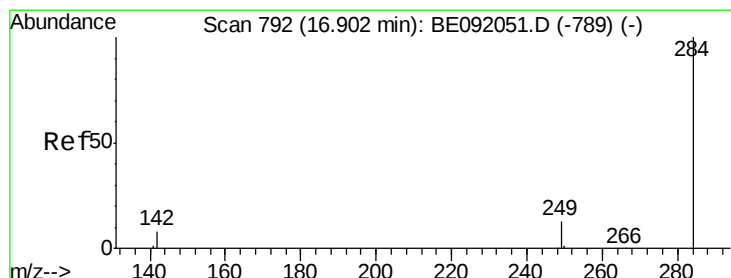
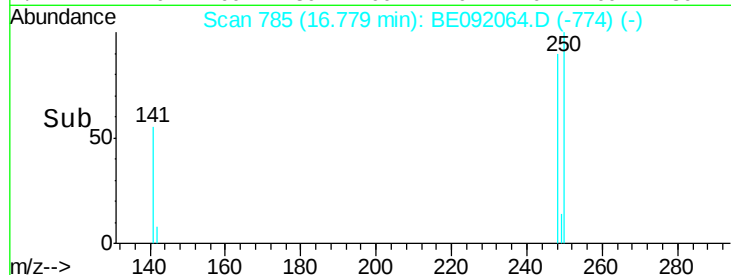
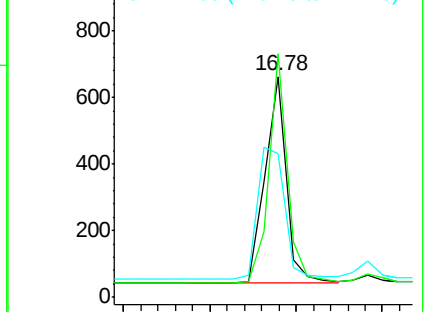
141 82.5 68.7 103.1



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: 0.40 ng

RT: 16.90 min Scan# 792

Delta R.T. -0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

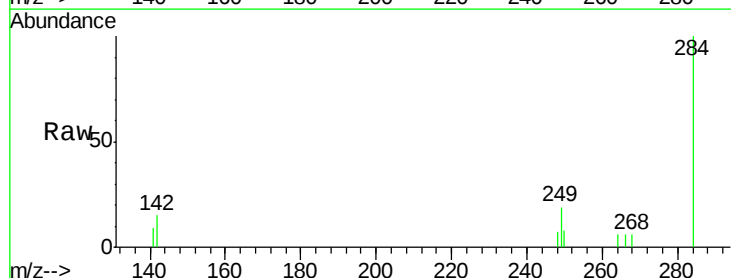
Tgt Ion:284 Resp: 1114

Ion Ratio Lower Upper

284 100

142 42.1 33.3 49.9

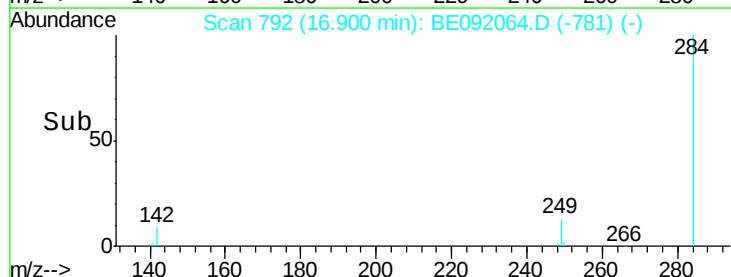
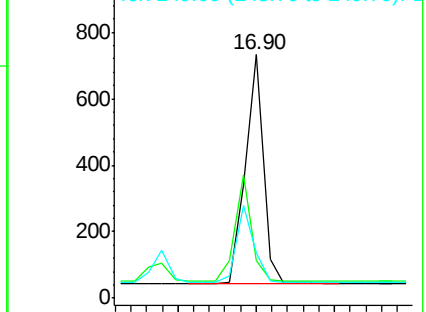
249 32.6 25.4 38.0

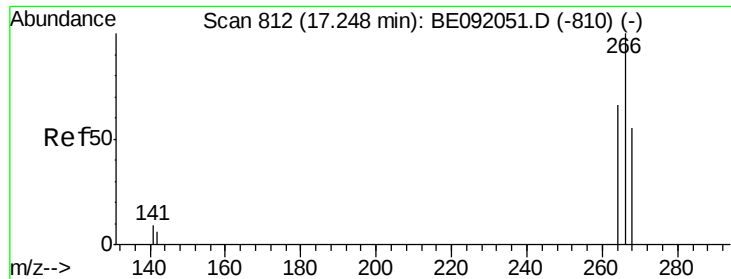


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

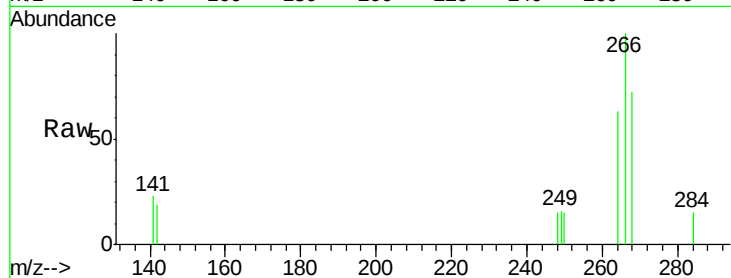




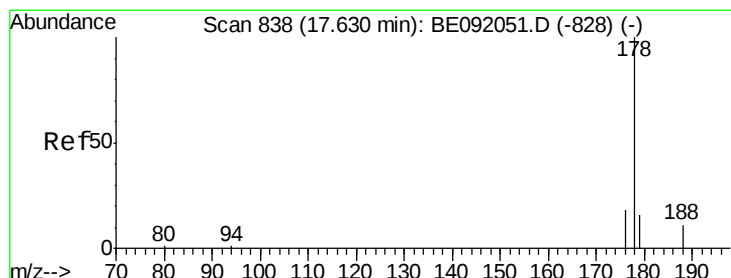
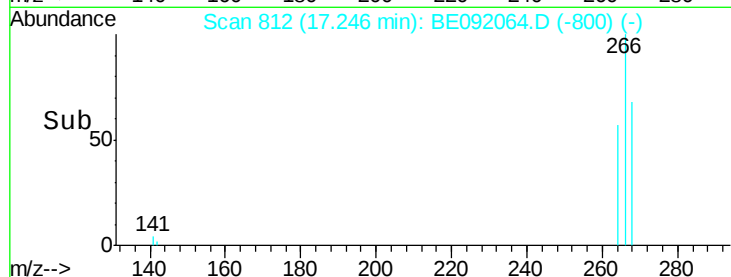
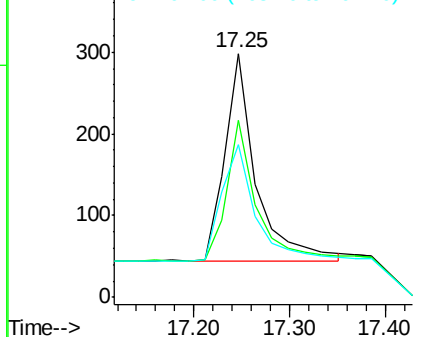
#27
 Pentachlorophenol
 Concen: 0.91 ng
 RT: 17.25 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BE092064.D
 Acq: 28 Jul 2016 2:28

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion: 266 Resp: 570
 Ion Ratio Lower Upper
 266 100
 268 72.5 62.7 94.1
 264 62.8 63.5 95.3#

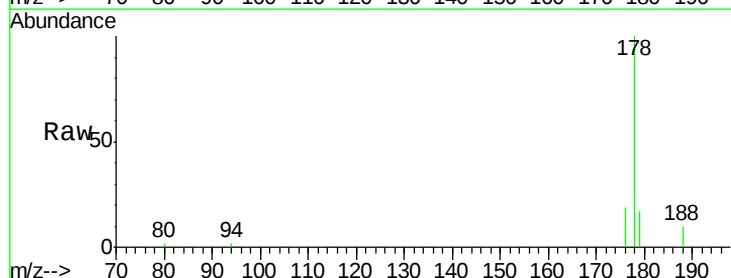


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

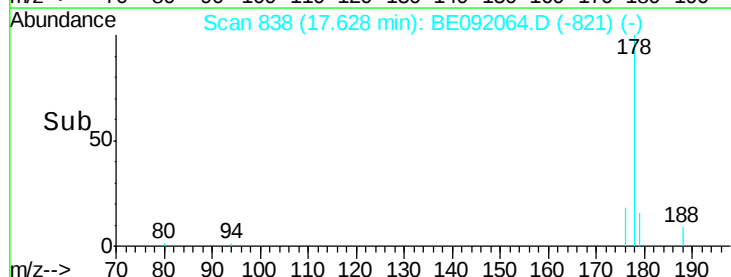
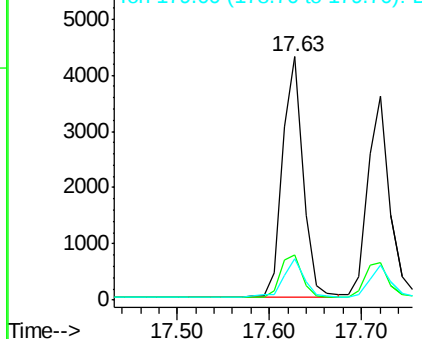


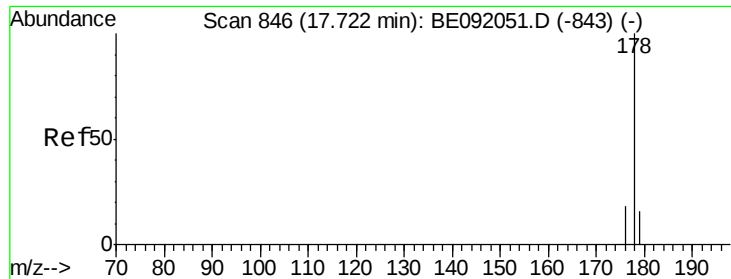
#28
 Phenanthrene
 Concen: 0.40 ng
 RT: 17.63 min Scan# 838
 Delta R.T. -0.00 min
 Lab File: BE092064.D
 Acq: 28 Jul 2016 2:28

Tgt Ion: 178 Resp: 6644
 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: 0.39 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

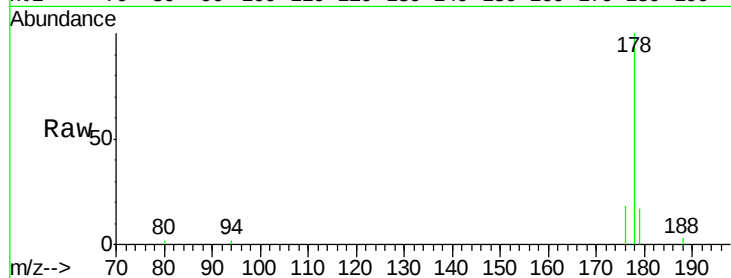
Tgt Ion:178 Resp: 5987

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

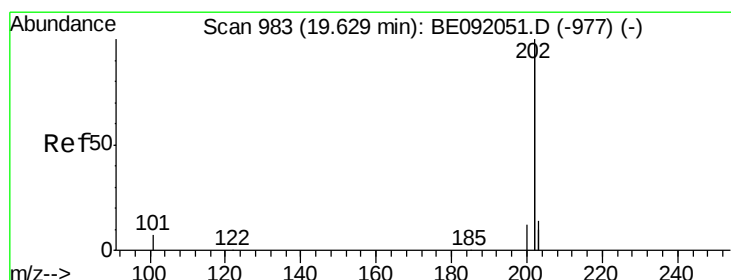
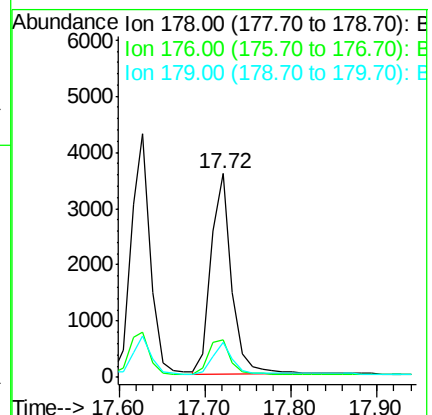
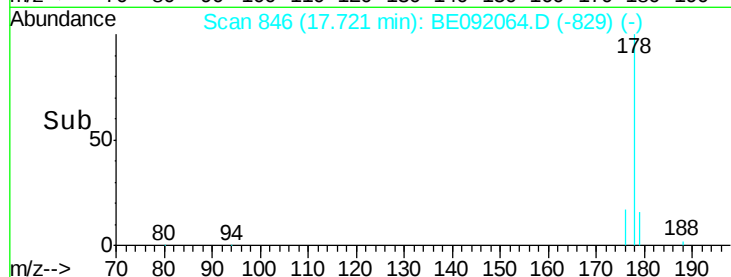
179 15.1 12.2 18.4



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: 0.43 ng

RT: 19.63 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

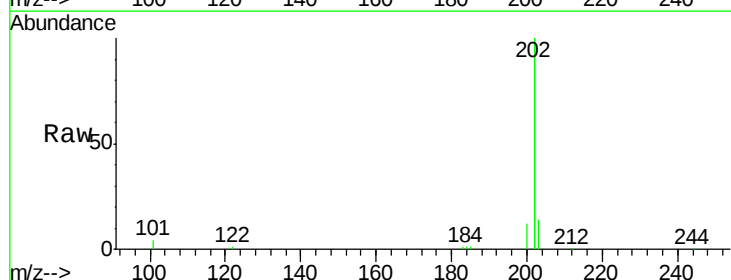
Tgt Ion:202 Resp: 31698

Ion Ratio Lower Upper

202 100

101 2.5 2.2 3.2

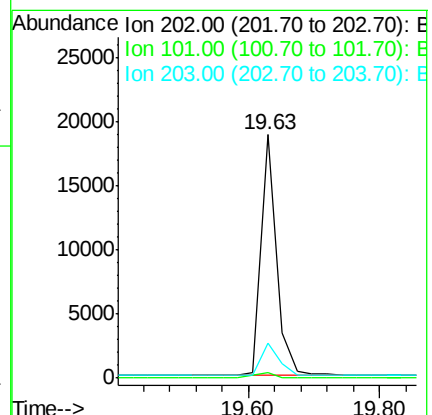
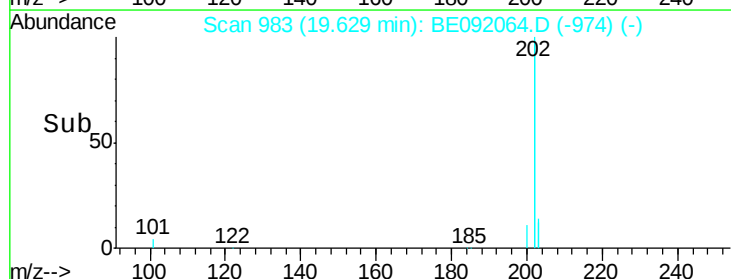
203 15.7 13.0 19.4

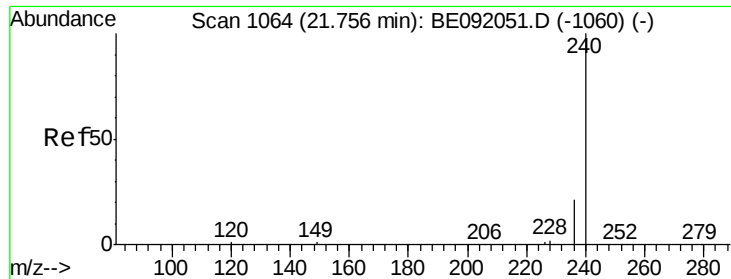


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

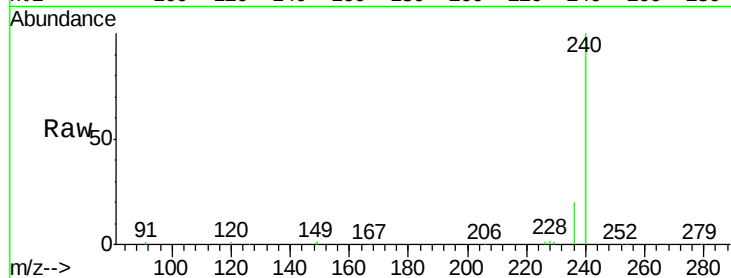
Tgt Ion:240 Resp: 55753

Ion Ratio Lower Upper

240 100

120 1.0 0.6 1.0

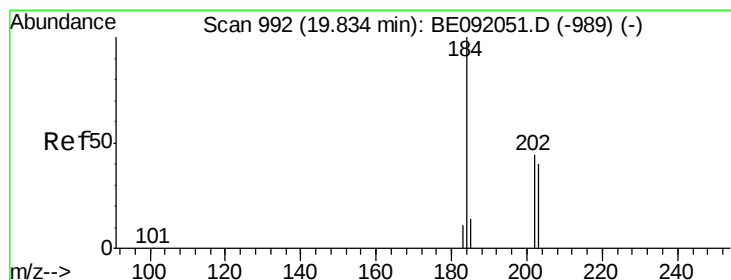
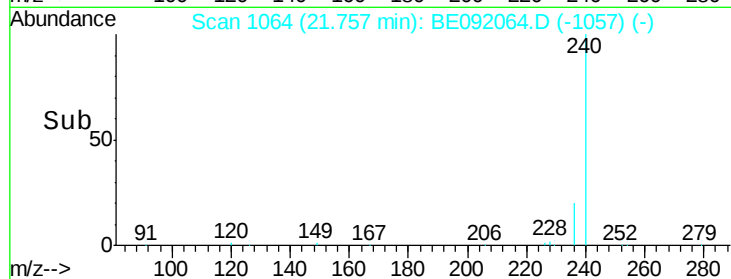
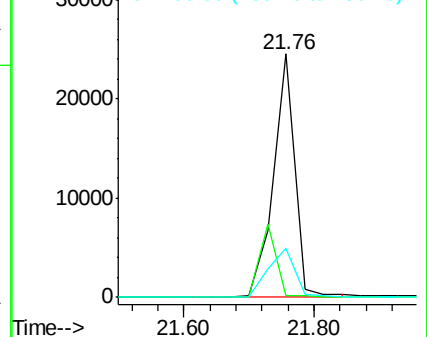
236 20.3 18.2 27.4



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: 1.50 ng

RT: 19.81 min Scan# 991

Delta R.T. -0.02 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

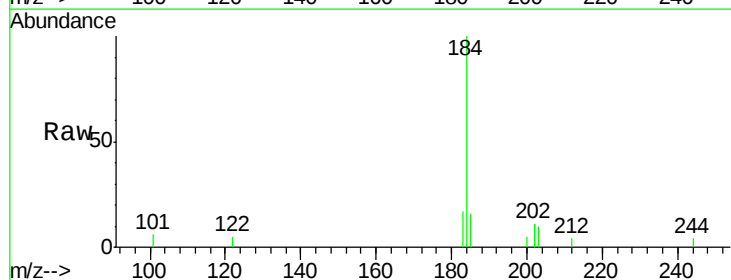
Tgt Ion:184 Resp: 4181

Ion Ratio Lower Upper

184 100

185 15.7 23.8 35.6#

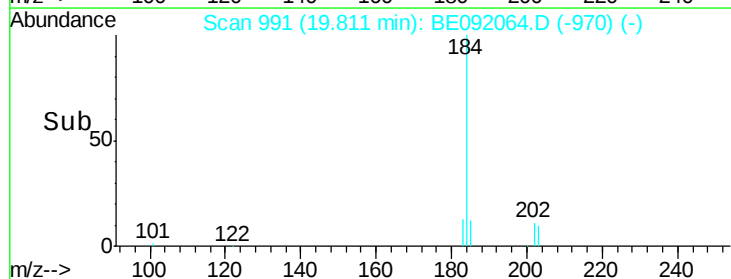
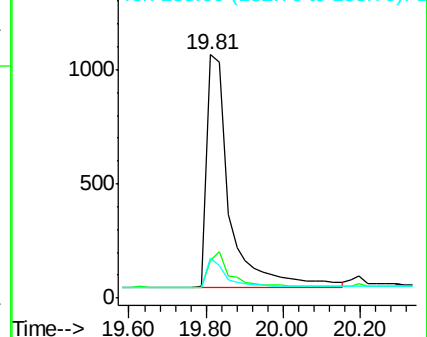
183 16.7 20.7 31.1#

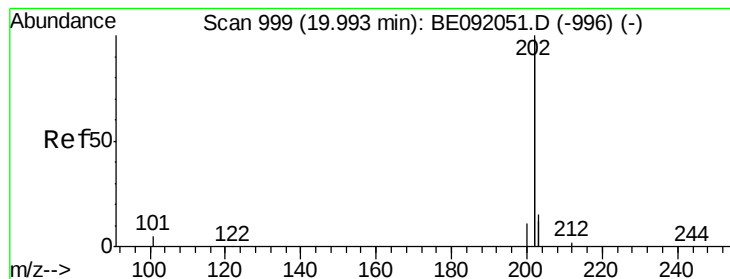


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.47 ng

RT: 19.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

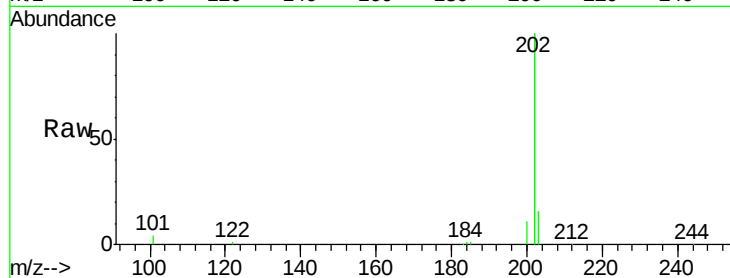
Tgt Ion:202 Resp: 34074

Ion Ratio Lower Upper

202 100

200 5.2 4.4 6.6

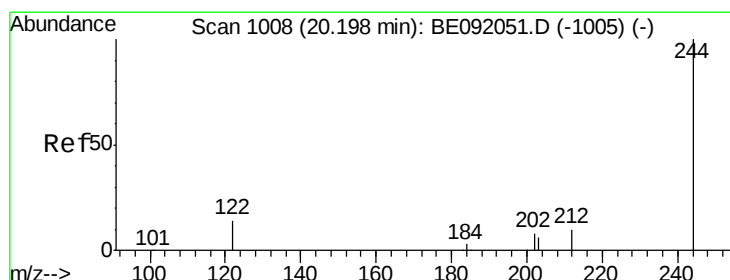
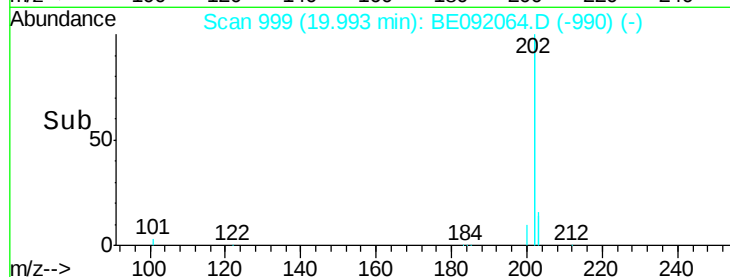
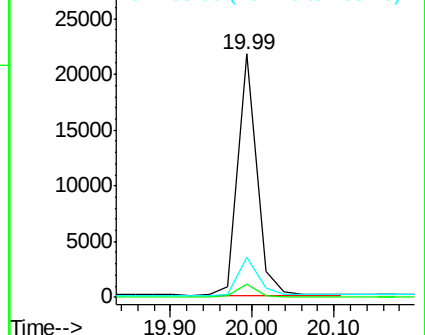
203 16.7 13.4 20.0



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: 0.48 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

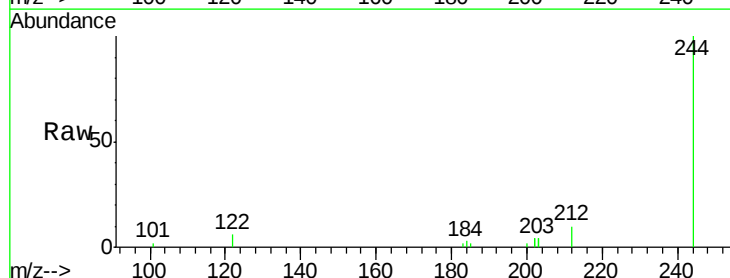
Tgt Ion:244 Resp: 4969

Ion Ratio Lower Upper

244 100

212 10.4 9.1 13.7

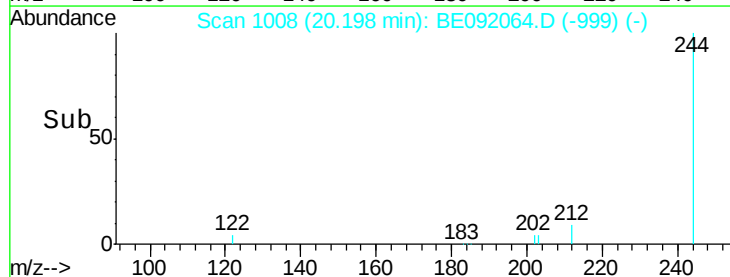
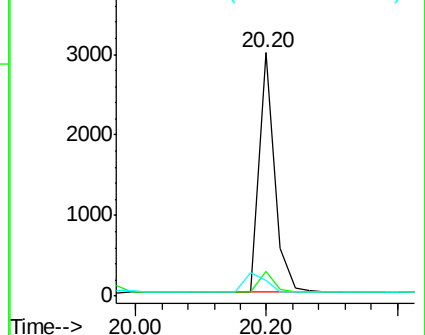
122 6.4 11.0 16.4#

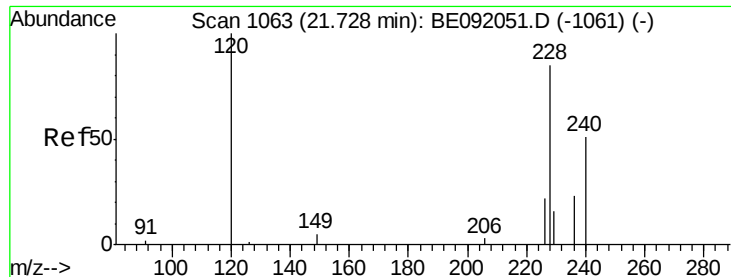


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.83 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

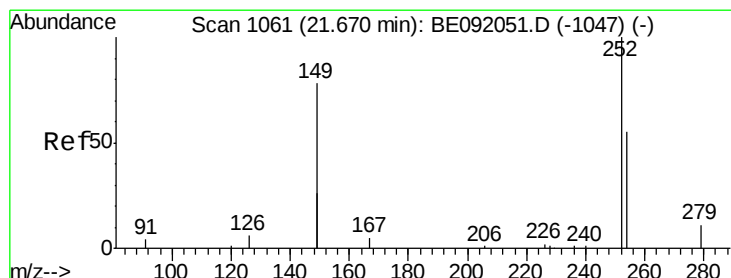
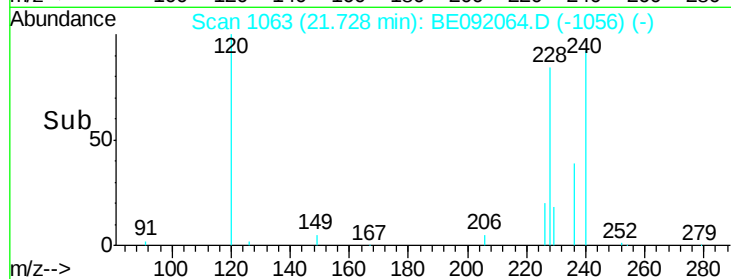
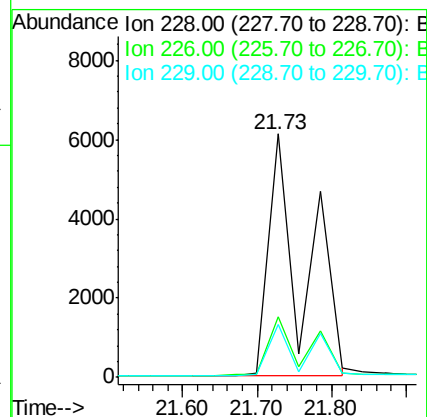
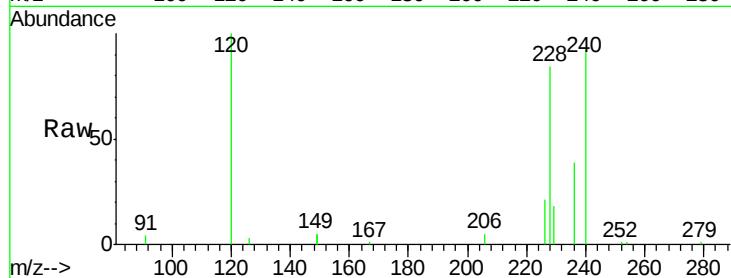
Tgt Ion:228 Resp: 19793

Ion Ratio Lower Upper

228 100

226 24.7 22.1 33.1

229 21.6 15.1 22.7



#36

3,3'-Dichlorobenzidine

Concen: 0.67 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

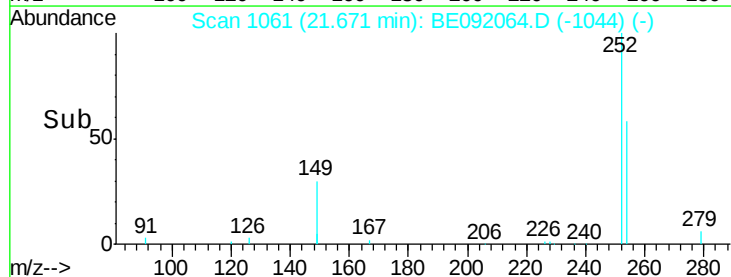
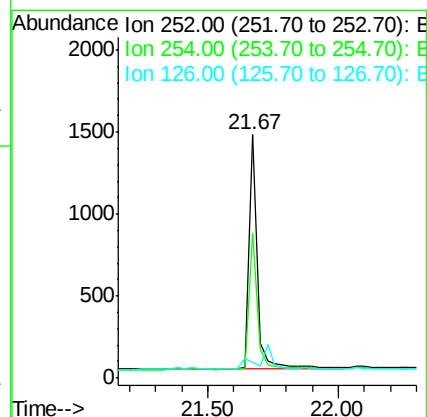
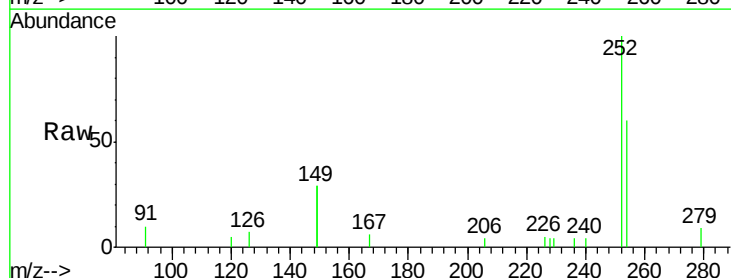
Tgt Ion:252 Resp: 3115

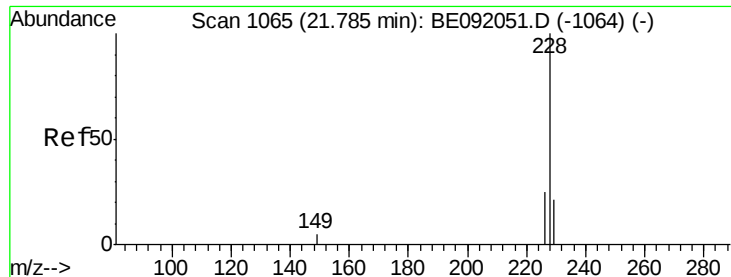
Ion Ratio Lower Upper

252 100

254 59.7 44.2 66.2

126 6.5 10.6 15.8#





#37

Chrysene

Concen: 1.02 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

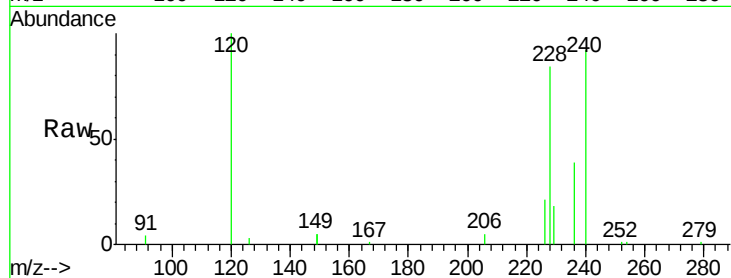
Tgt Ion:228 Resp: 20005

Ion Ratio Lower Upper

228 100

226 24.7 22.3 33.5

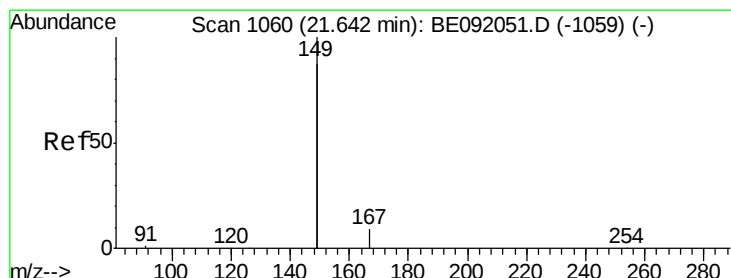
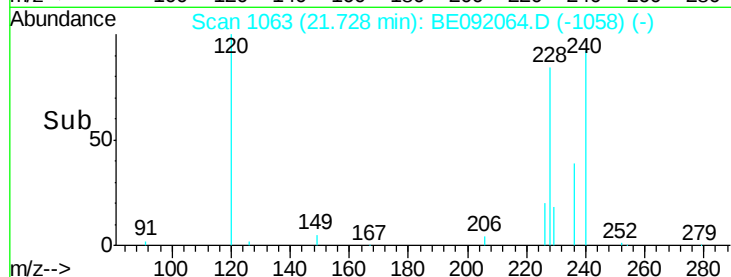
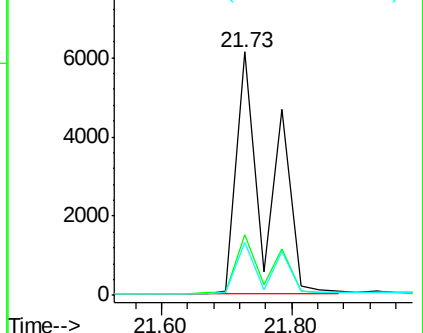
229 21.6 16.9 25.3



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: 0.69 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

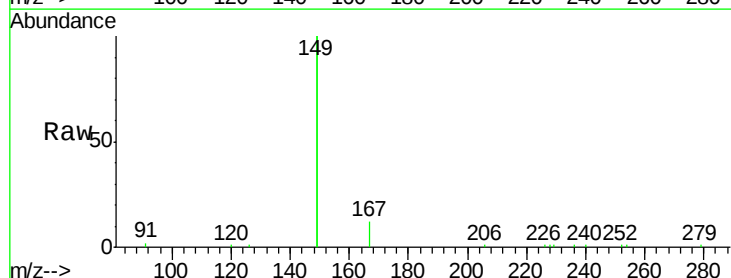
Tgt Ion:149 Resp: 34042

Ion Ratio Lower Upper

149 100

167 5.8 3.8 5.6#

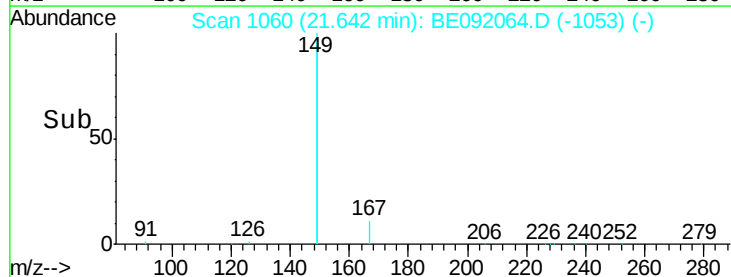
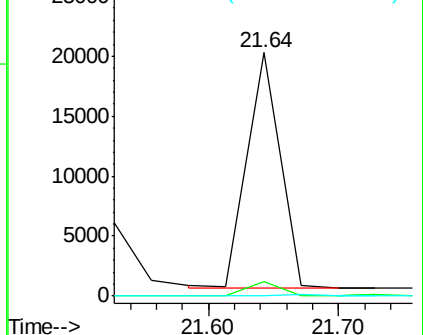
279 0.0 0.0 0.0

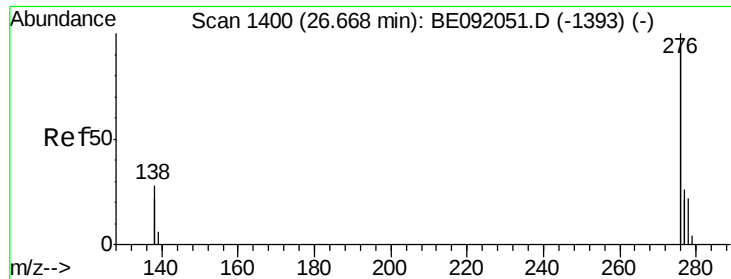


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.53 ng

RT: 26.67 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

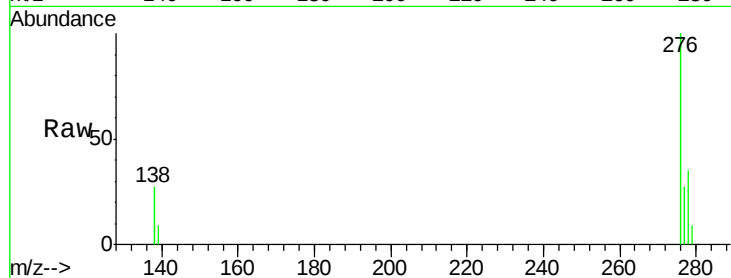
Tgt Ion: 276 Resp: 34473

Ion Ratio Lower Upper

276 100

138 26.5 21.2 31.8

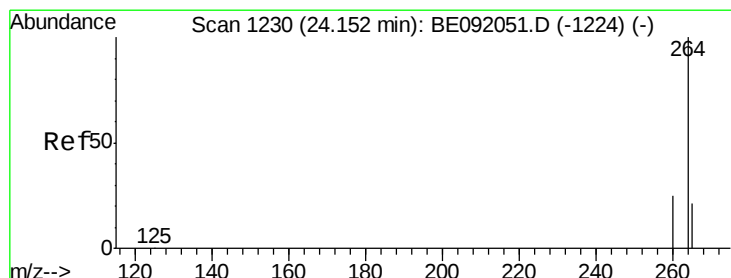
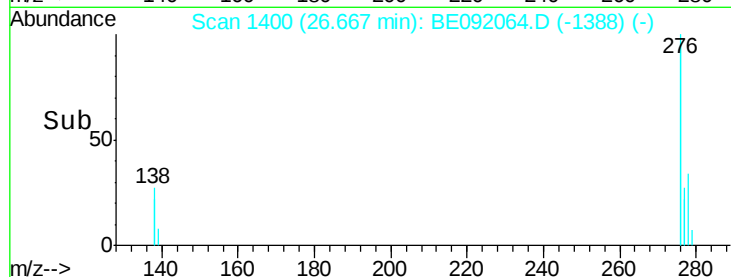
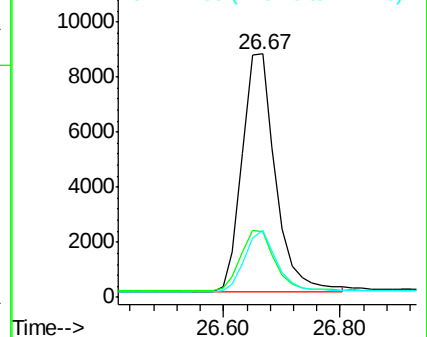
277 24.5 19.8 29.8



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: BE092064.D

Acq: 28 Jul 2016 2:28

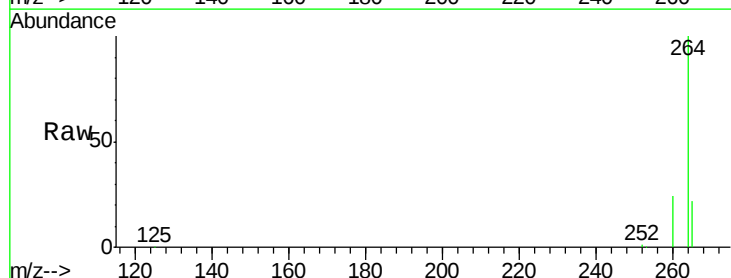
Tgt Ion: 264 Resp: 74239

Ion Ratio Lower Upper

264 100

260 24.1 20.8 31.2

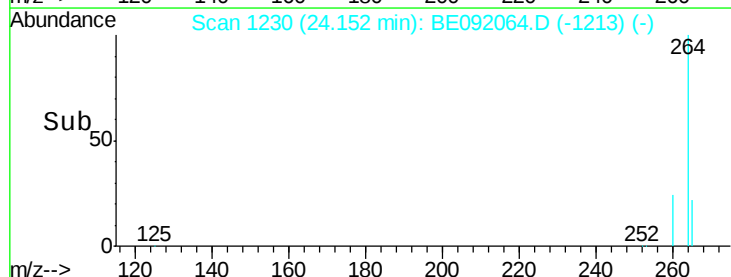
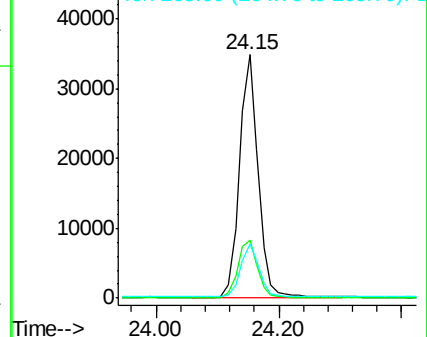
265 22.2 16.6 25.0

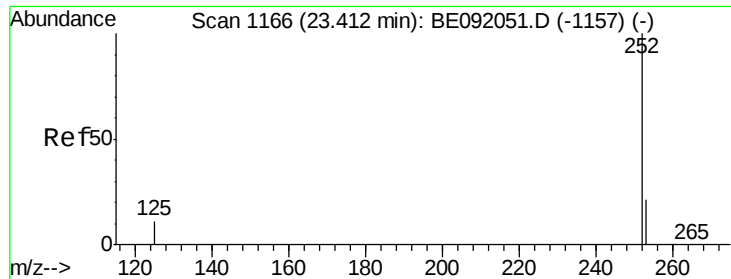


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.41 ng

RT: 23.41 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

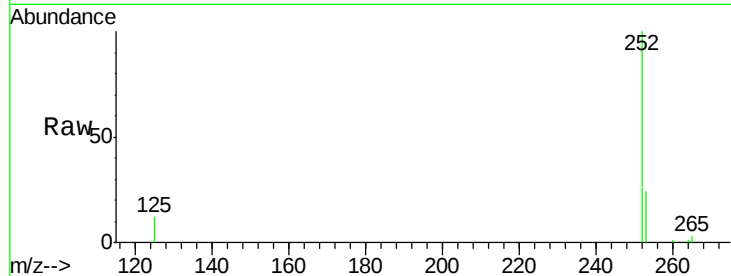
Tgt Ion:252 Resp: 9055

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

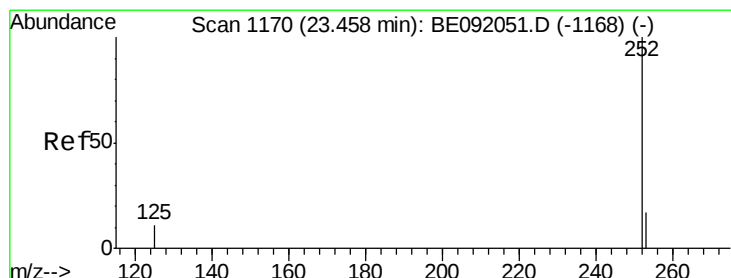
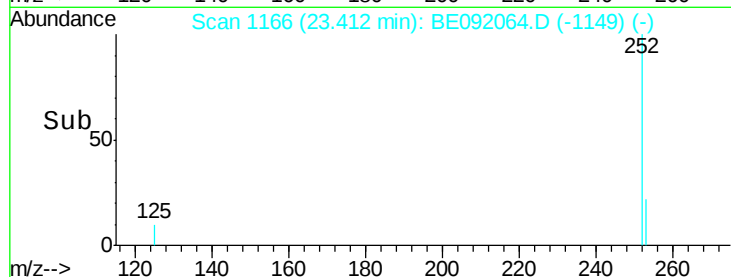
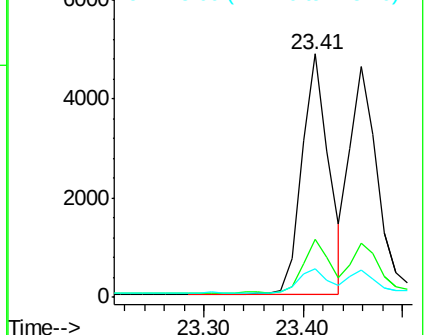
125 11.9 10.2 15.2



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: 0.40 ng

RT: 23.46 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

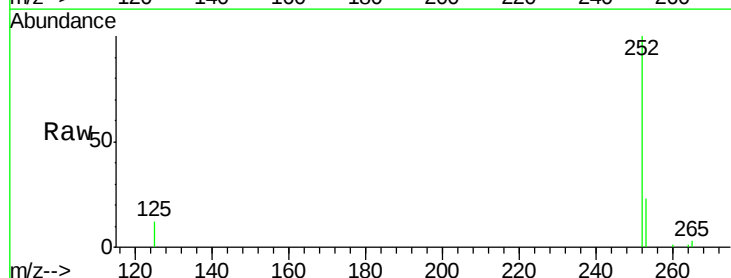
Tgt Ion:252 Resp: 8926

Ion Ratio Lower Upper

252 100

253 23.3 19.4 29.0

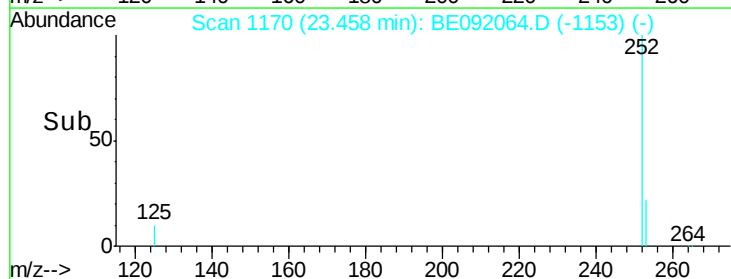
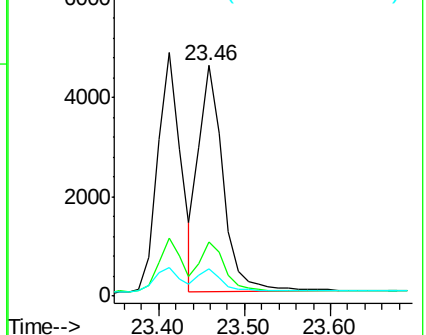
125 11.7 8.9 13.3

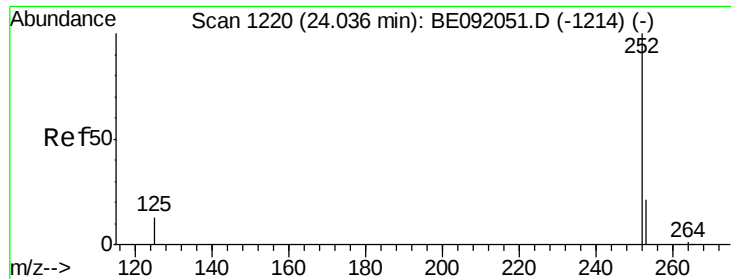


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.41 ng

RT: 24.04 min Scan# 1220

Delta R.T. 0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

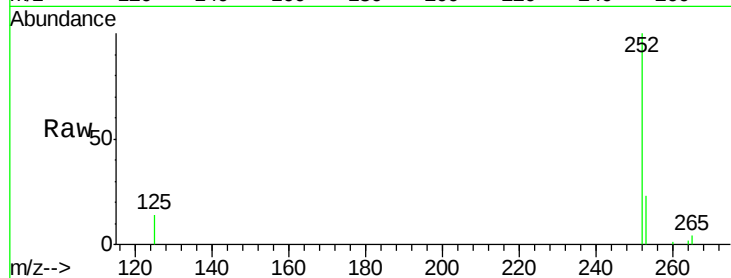
Tgt Ion:252 Resp: 7817

Ion Ratio Lower Upper

252 100

253 23.2 19.8 29.8

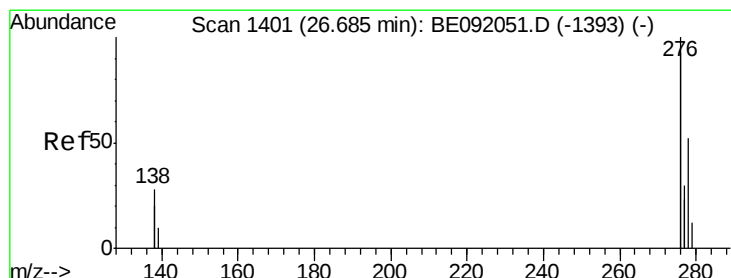
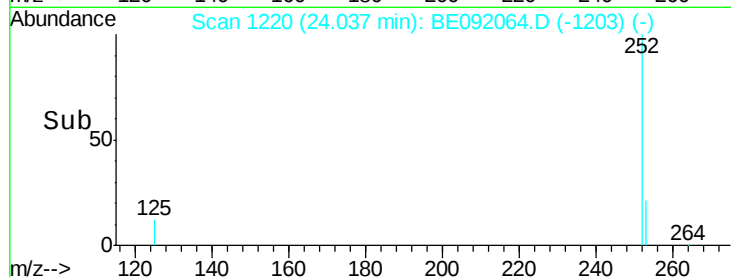
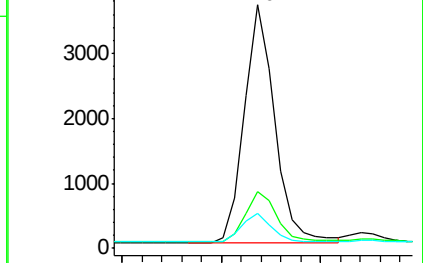
125 14.3 10.4 15.6



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: 0.42 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BE092064.D

Acq: 28 Jul 2016 2:28

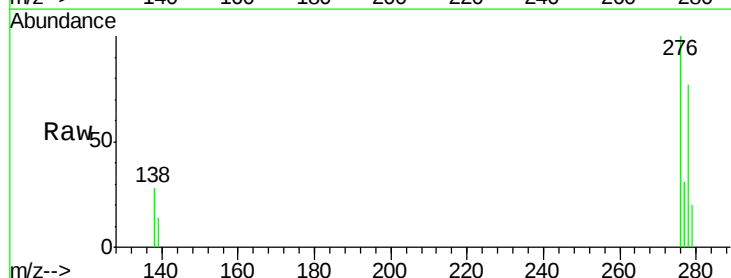
Tgt Ion:278 Resp: 6981

Ion Ratio Lower Upper

278 100

139 17.9 16.7 25.1

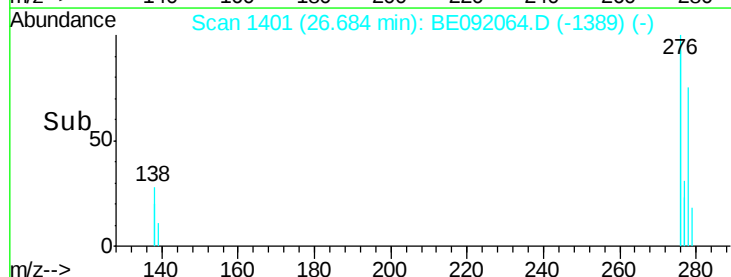
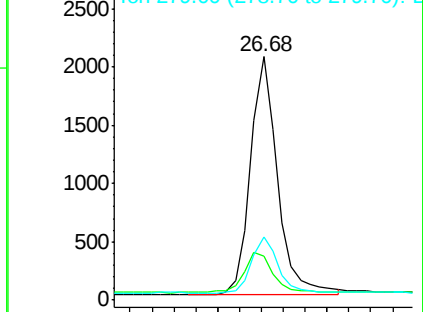
279 26.0 20.3 30.5

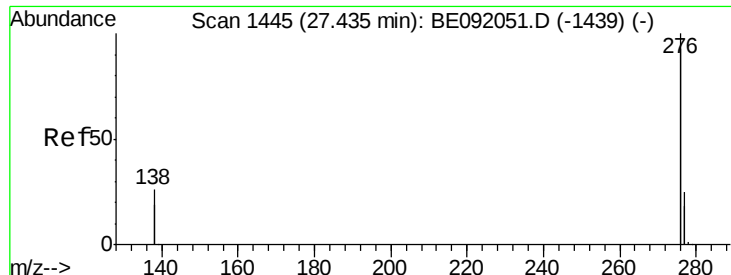


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.42 ng

RT: 27.43 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE092064.D

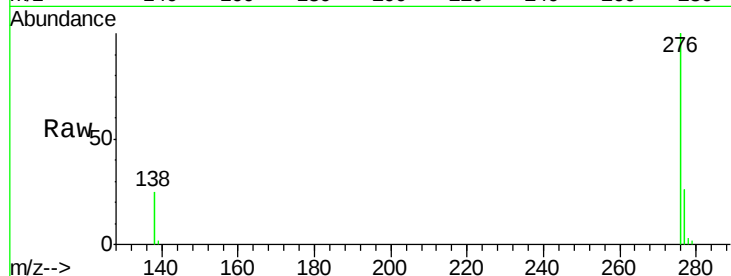
Acq: 28 Jul 2016 2:28

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4



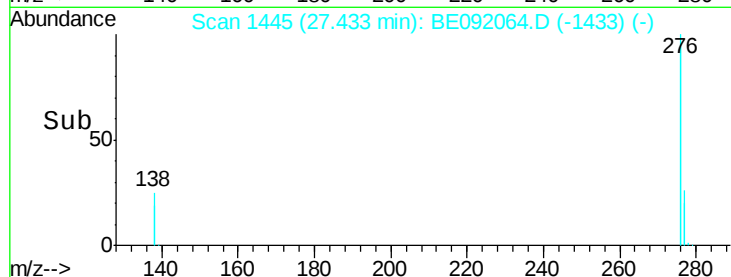
Tgt Ion: 276 Resp: 28970

Ion Ratio Lower Upper

276 100

277 25.9 19.5 29.3

138 24.7 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

