

Data Path : Z:\HPCHEM1\BNA E\DATA\BE070516\
 Data File : BE091963.D
 Acq On : 5 Jul 2016 11:59
 Operator : UM/SJ
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Quant Time: Jul 05 20:38:24 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 16:14:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	350	5.00	ng	0.02
8) Naphthalene-d8	11.02	136	1386	5.00	ng	0.02
15) Acenaphthene-d10	14.86	164	624	5.00	ng	0.00
24) Phenanthrene-d10	17.62	188	1113	5.00	ng	0.02
31) Chrysene-d12	21.79	240	943	5.00	ng	0.03
40) Perylene-d12	24.20	264	903	5.00	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.75	112	219	2.62	ng	0.03
5) Phenol-d6	7.44	99	187	1.61	ng	0.07
9) Nitrobenzene-d5	9.44	82	176	1.86	ng	0.06
16) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
17) 2-Fluorobiphenyl	13.52	172	627	4.12	ng	0.03
34) Terphenyl-d14	20.24	244	507	4.56	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.49	88	247	5.20	ng	88
3) n-Nitrosodimethylamine	3.94	42	85	1.41	ng	# 70
6) bis(2-Chloroethyl)ether	7.64	93	183	1.80	ng	# 80
7) n-Nitroso-di-n-propylamine	9.04	70	199	2.05	ng	# 21
10) Nitrobenzene	9.46	77	157	1.53	ng	# 100
11) bis(2-Chloroethoxy)methane	10.05	93	530	4.58	ng	# 28
12) Naphthalene	11.07	128	978	3.03	ng	# 65
13) Hexachlorobutadiene	11.34	225	219	4.47	ng	96
14) 2-Methylnaphthalene	12.71	142	558	2.69	ng	# 82
18) Acenaphthylene	14.59	152	3101	3.96	ng	# 74
19) 2,6-Dinitrotoluene	14.07	165	1669	9.12	ng	# 10
20) Acenaphthene	14.92	154	546	3.20	ng	# 1
21) 2,4-Dinitrotoluene	14.86	165	340	1.83	ng	# 1
22) Fluorene	15.91	166	567	3.15	ng	99
23) 4-Chlorophenyl-phenylether	15.93	204	286	3.19	ng	92
25) 4-Bromophenyl-phenylether	16.80	248	179	3.70	ng	# 91
26) Hexachlorobenzene	16.92	284	188	3.92	ng	# 87
28) Phenanthrene	17.65	178	852	2.94	ng	97
29) Anthracene	17.76	178	736	2.72	ng	96
30) Fluoranthene	19.68	202	3416	2.74	ng	# 88
32) Benzidine	19.77	184	8	0.32	ng	# 1
33) Pyrene	20.02	202	3629	5.29	ng	# 81
35) Benzo(a)anthracene	21.81	228	1522	9.64	ng	# 77
36) 3,3'-Dichlorobenzidine	21.73	252	253	6.22	ng	# 89
37) Chrysene	21.81	228	1615	7.22	ng	# 85
38) Bis(2-ethylhexyl)phthalate	21.67	149	1244	6.80	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.74	276	3147	3.58	ng	96
41) Benzo(b)fluoranthene	23.46	252	733	2.94	ng	# 27
42) Benzo(k)fluoranthene	23.50	252	824	3.42	ng	# 32
43) Benzo(a)pyrene	24.09	252	721	3.06	ng	# 16
44) Dibenzo(a,h)anthracene	26.77	278	596	2.69	ng	# 20
45) Benzo(a,h,i)perylene	27.50	276	2860	3.16	ng	# 51

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QLast Update : Tue Jul 05 16:14:58 2016
Response via : Initial Calibration

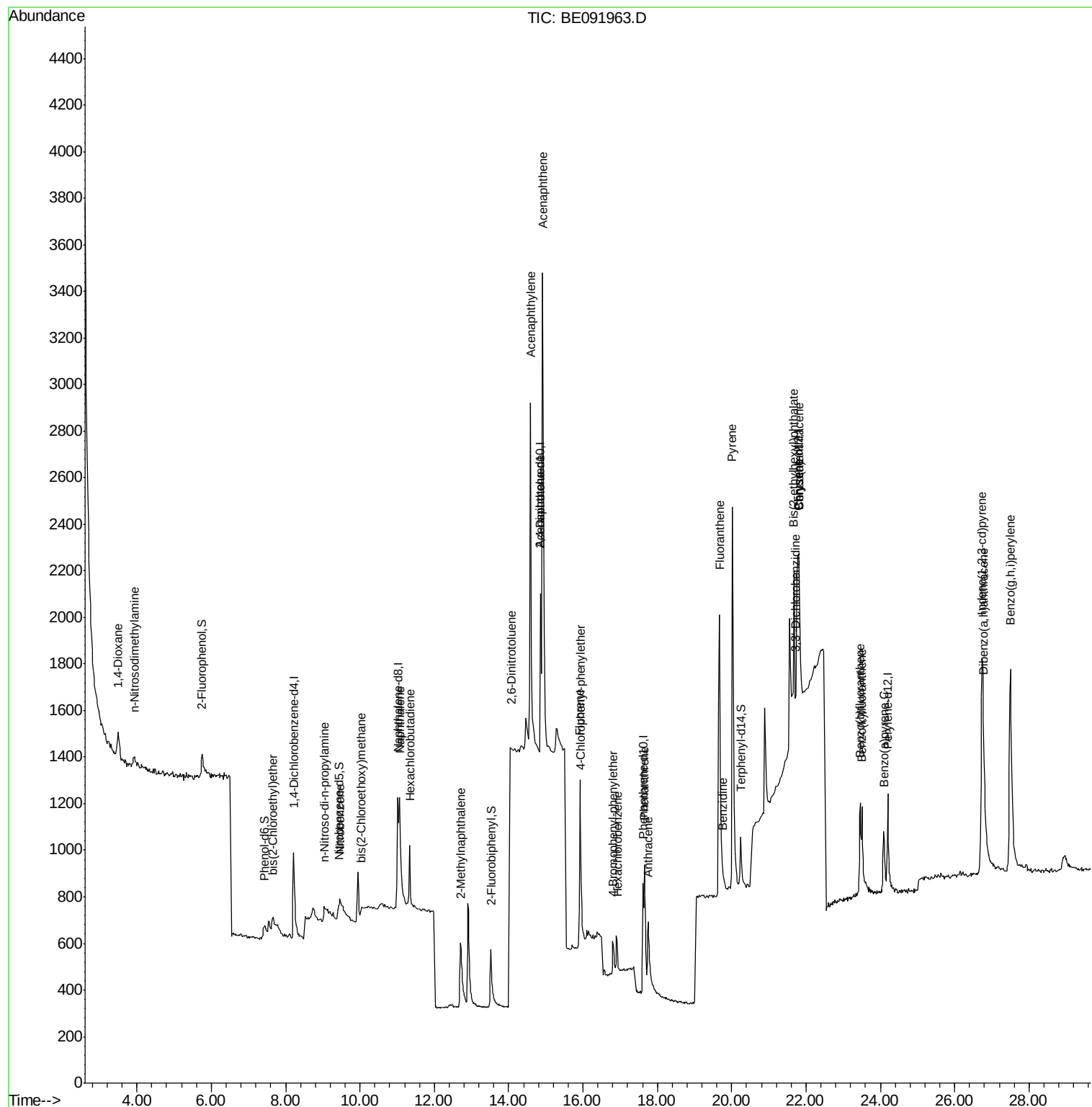
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

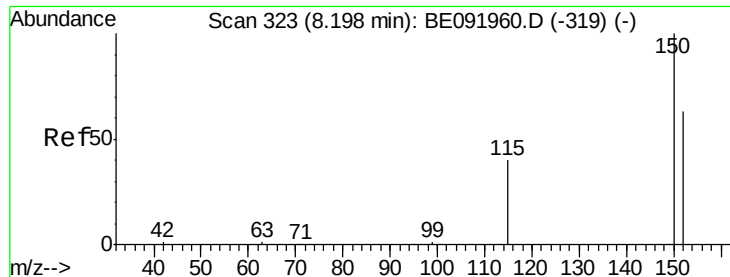
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.22 min Scan# 324

Delta R.T. 0.02 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

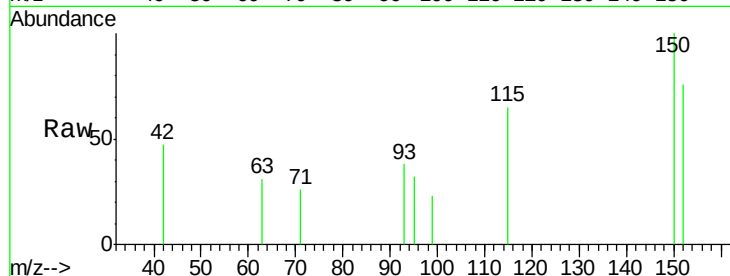
Tot Ion:152 Resp: 350

Ion Ratio Lower Upper

152 100

150 132.2 123.9 185.9

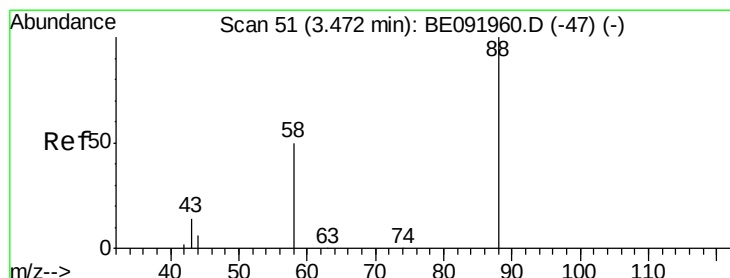
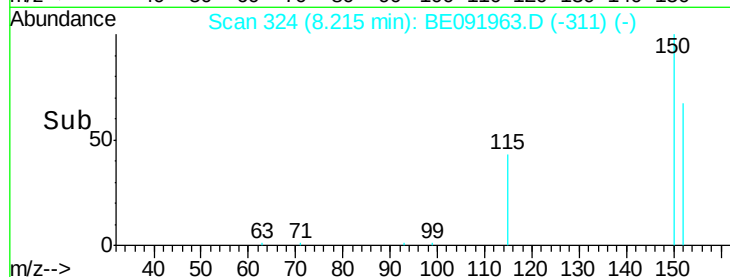
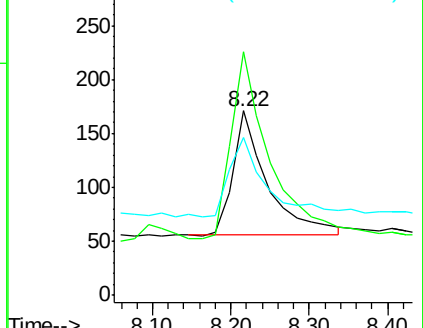
115 85.4 48.3 72.5#



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: 5.20 ng

RT: 3.49 min Scan# 52

Delta R.T. 0.02 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

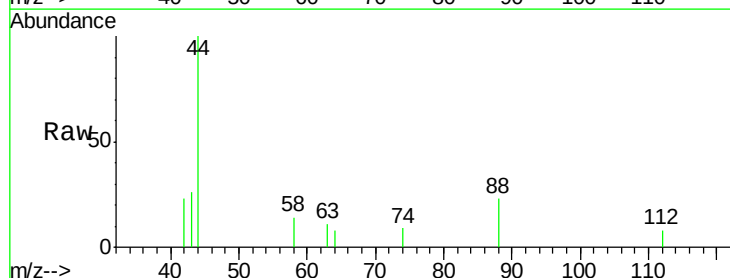
Tgt Ion: 88 Resp: 247

Ion Ratio Lower Upper

88 100

58 64.4 63.0 94.4

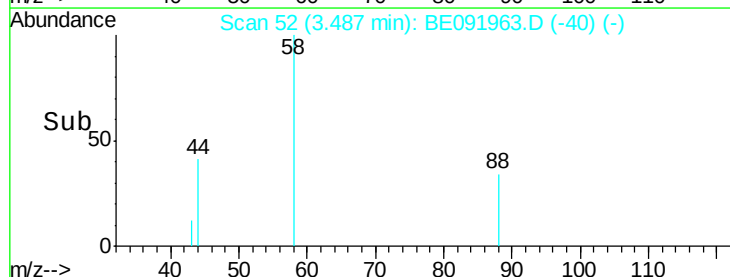
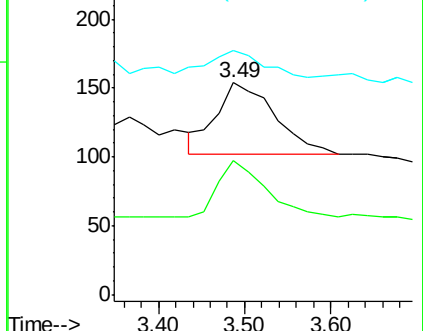
43 34.0 29.1 43.7

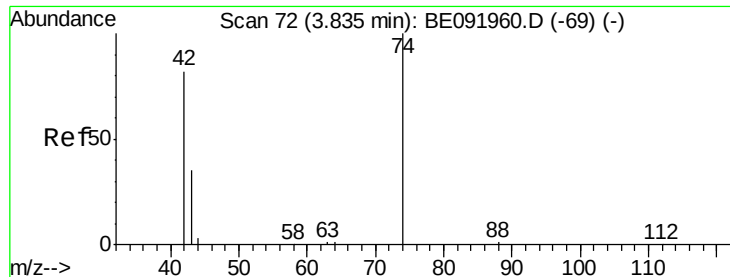


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 1.41 ng

RT: 3.94 min Scan# 78

Delta R.T. 0.10 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

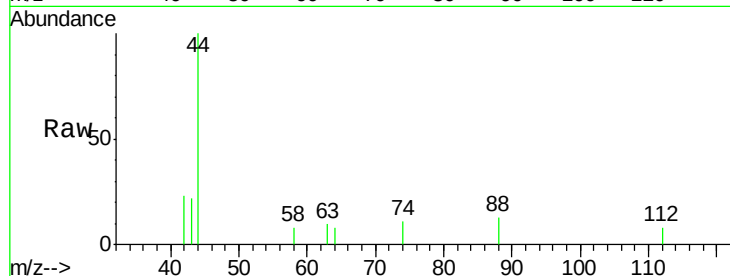
Tot Ion: 42 Resp: 85

Ion Ratio Lower Upper

42 100

74 88.2 93.4 140.0#

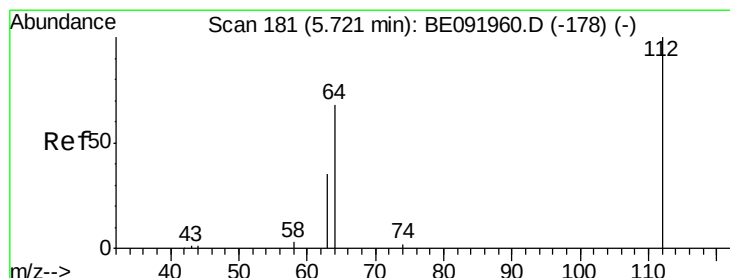
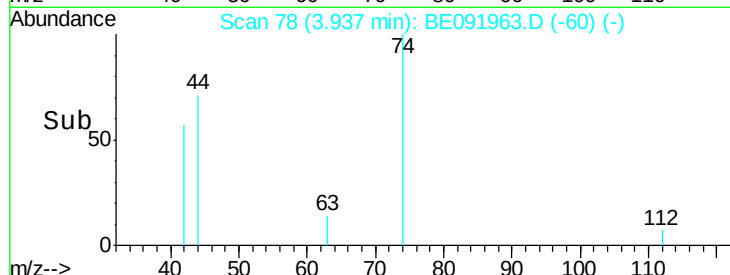
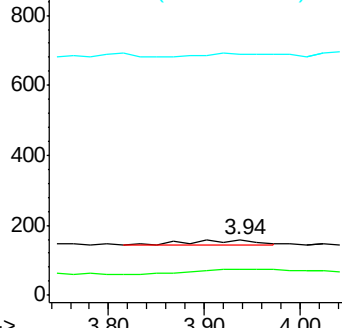
44 42.4 5.0 7.6#



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: 2.62 ng

RT: 5.75 min Scan# 183

Delta R.T. 0.03 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

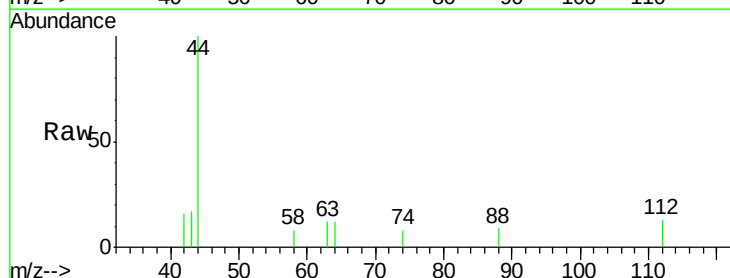
Tgt Ion: 112 Resp: 219

Ion Ratio Lower Upper

112 100

64 64.8 53.7 80.5

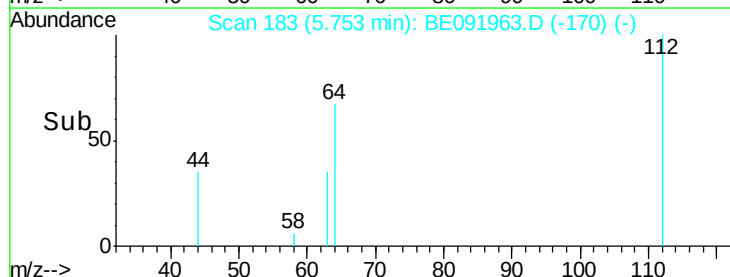
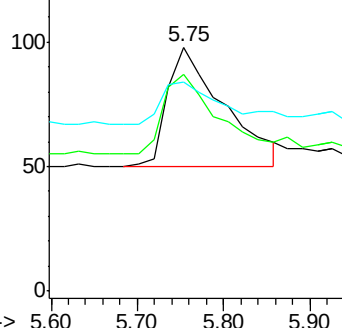
63 36.1 29.5 44.3

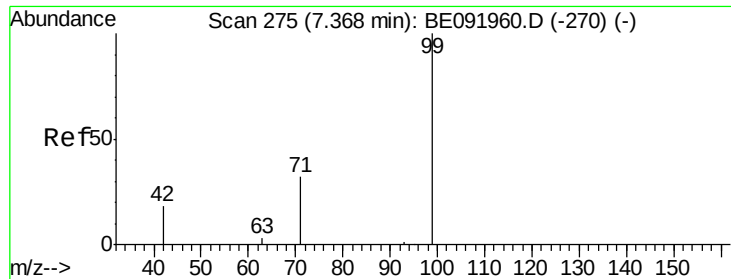


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.61 ng

RT: 7.44 min Scan# 279

Delta R.T. 0.07 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

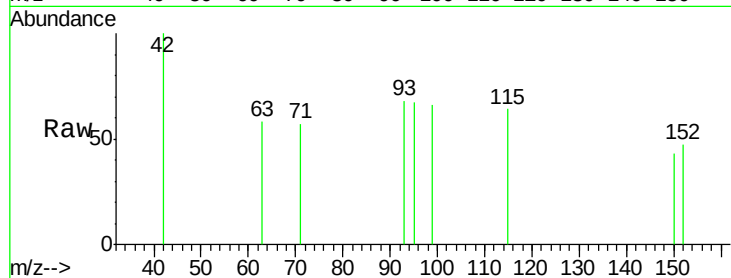
Tot Ion: 99 Resp: 187

Ion Ratio Lower Upper

99 100

42 28.9 19.6 29.4

71 0.0 28.1 42.1#



Abundance Ion 99.00 (98.70 to 99.70): BE0

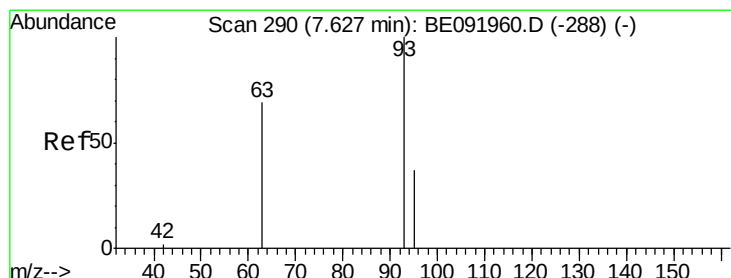
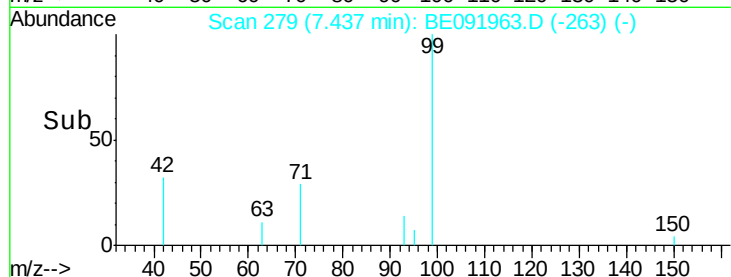
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

7.44

7.30 7.40 7.50

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 1.80 ng

RT: 7.64 min Scan# 291

Delta R.T. 0.02 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

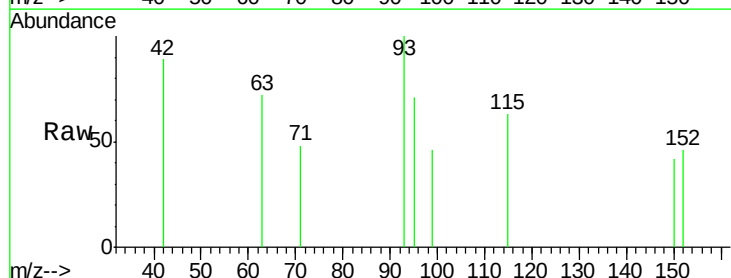
Tgt Ion: 93 Resp: 183

Ion Ratio Lower Upper

93 100

63 59.6 66.2 99.4#

95 35.0 25.5 38.3



Abundance Ion 93.00 (92.70 to 93.70): BE0

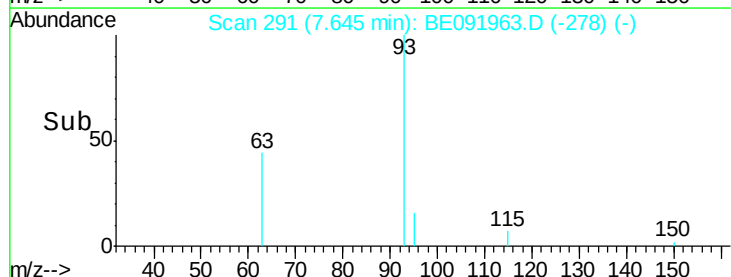
Ion 63.00 (62.70 to 63.70): BE0

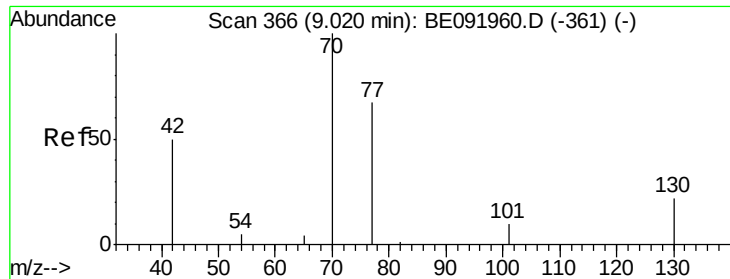
Ion 95.00 (94.70 to 95.70): BE0

7.64

7.60 7.70 7.80

Time-->





#7

n-Nitroso-di-n-propylamine

Concen: 2.05 ng

RT: 9.04 min Scan# 367

Delta R.T. 0.02 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

Tot Ion: 70 Resp: 199

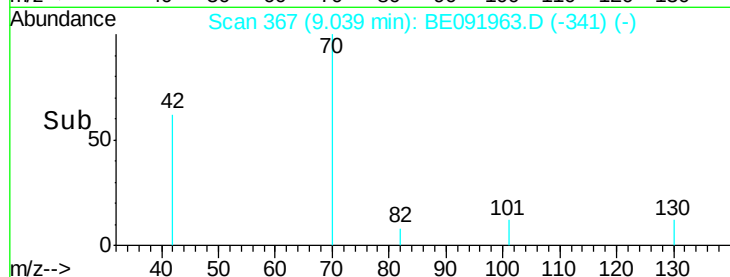
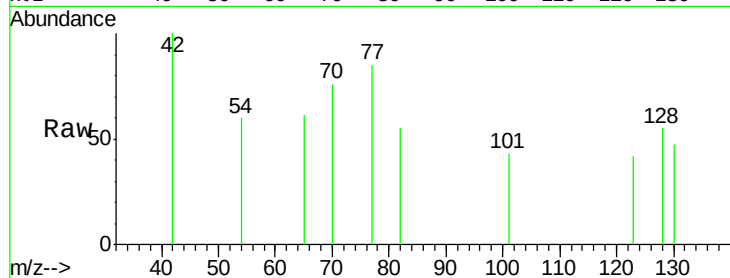
Ion Ratio Lower Upper

70 100

42 0.0 58.4 87.6#

101 4.5 6.4 9.6#

130 9.0 0.0 0.0#

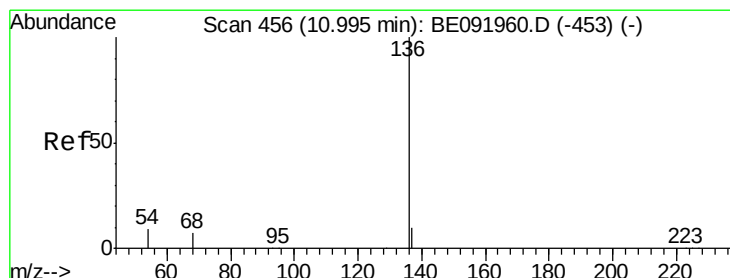
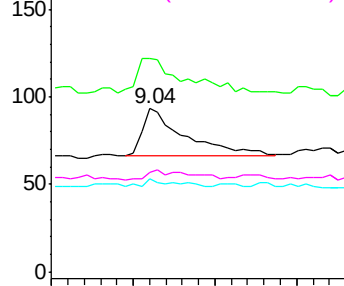


Abundance Ion 70.00 (69.70 to 70.70): BE0

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: 11.02 min Scan# 457

Delta R.T. 0.02 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Tgt Ion: 136 Resp: 1386

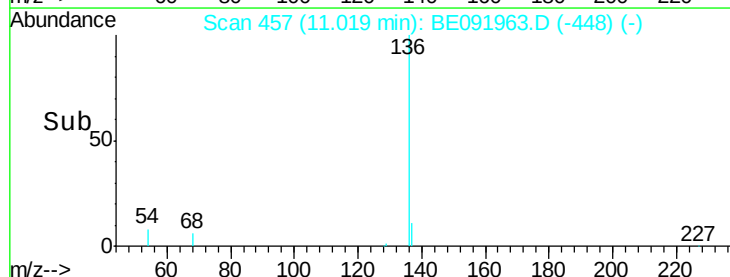
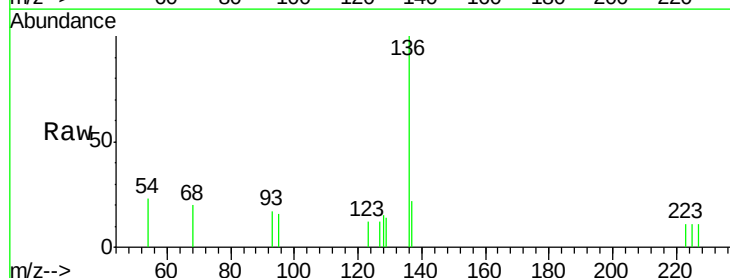
Ion Ratio Lower Upper

136 100

137 21.6 8.3 12.5#

54 22.5 8.2 12.4#

68 19.5 5.9 8.9#

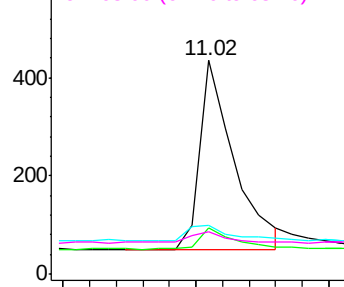


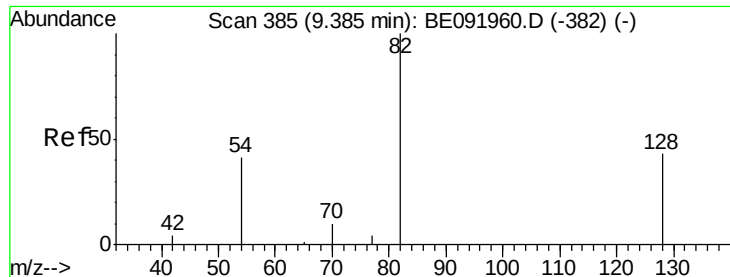
Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.86 ng

RT: 9.44 min Scan# 388

Delta R.T. 0.06 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

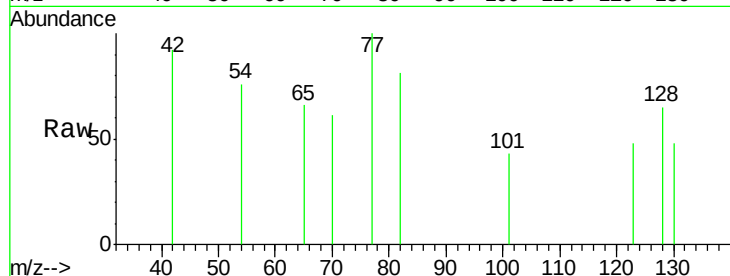
Tot Ion: 82 Resp: 176

Ion Ratio Lower Upper

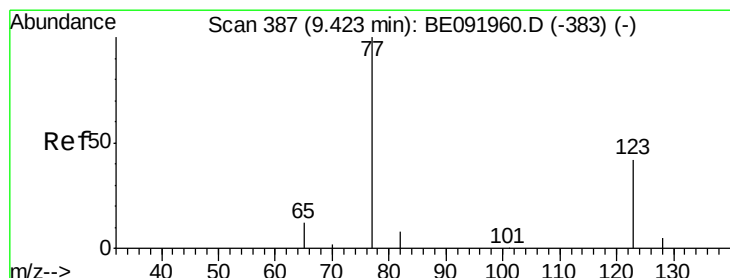
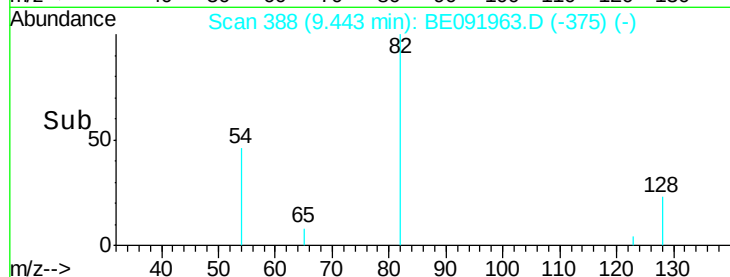
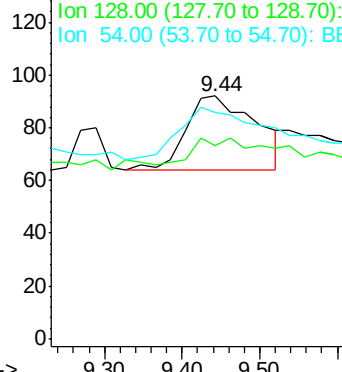
82 100

128 79.3 39.5 59.3#

54 93.5 30.3 45.5#



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: 1.53 ng

RT: 9.46 min Scan# 389

Delta R.T. 0.04 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

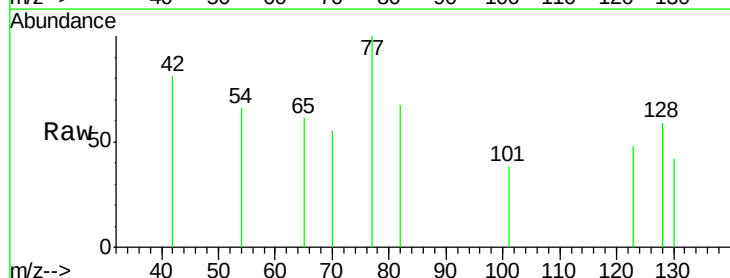
Tgt Ion: 77 Resp: 157

Ion Ratio Lower Upper

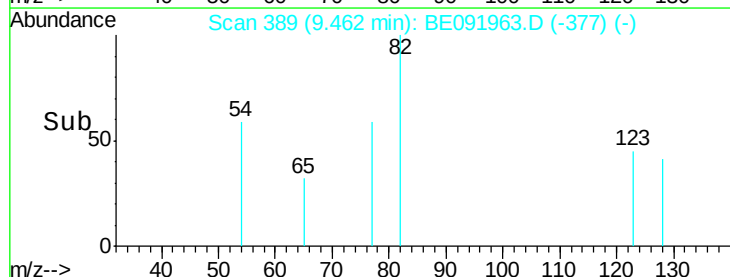
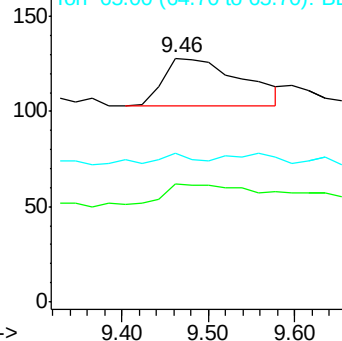
77 100

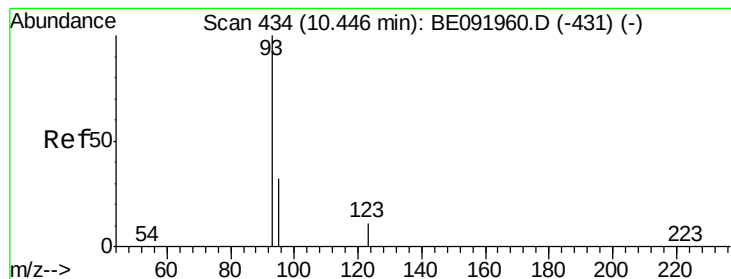
123 51.6 0.0 0.0#

65 14.0 11.1 16.7



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

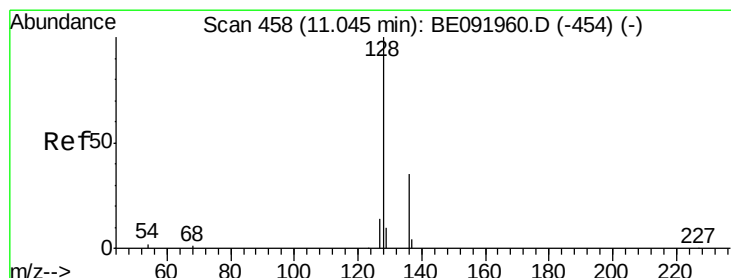
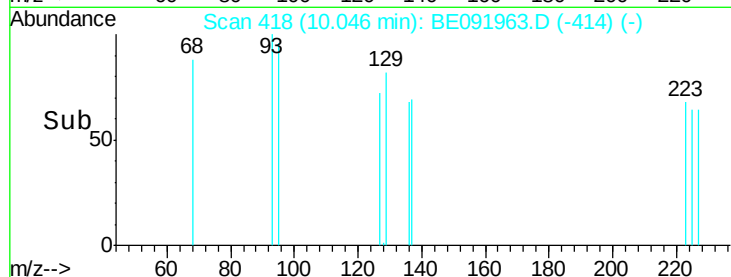
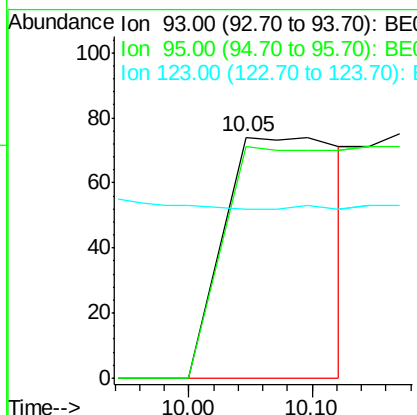
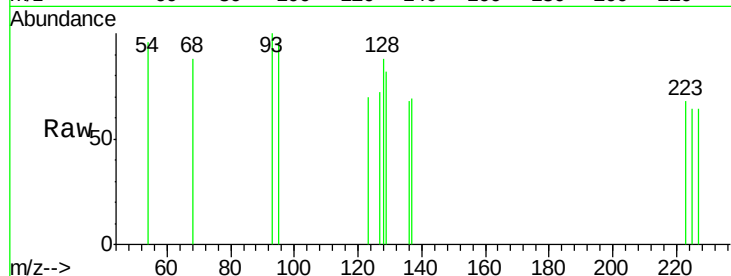




#11
bis(2-Chloroethoxy)methane
Concen: 4.58 ng
RT: 10.05 min Scan# 418
Delta R.T. -0.40 min
Lab File: BE091963.D
Acq: 5 Jul 2016 11:59

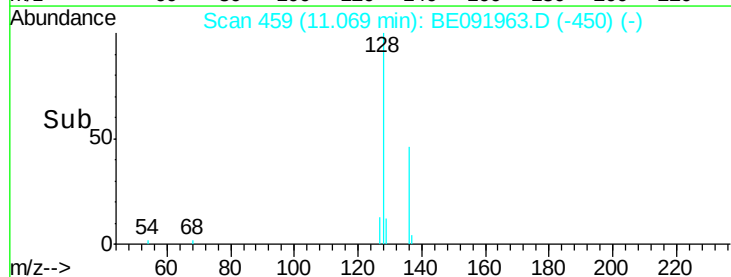
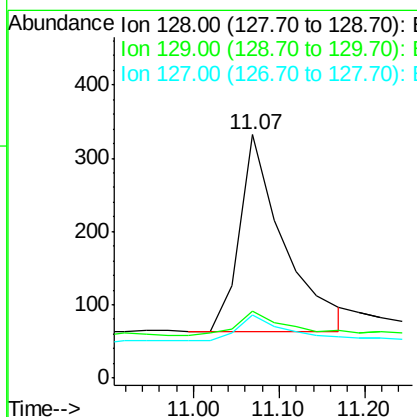
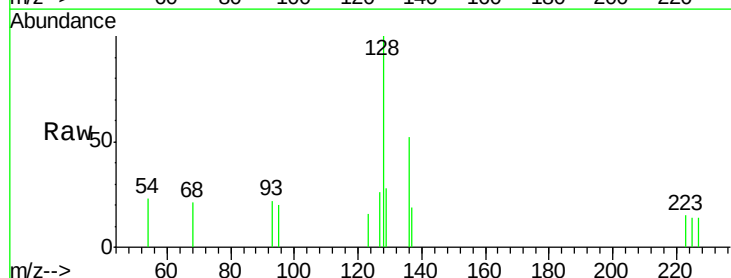
Instrument :
BNA_E
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SSTDICC3.2

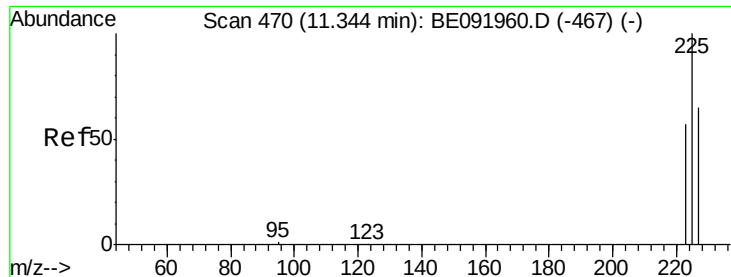
Tot Ion: 93 Resp: 530
Ion Ratio Lower Upper
93 100
95 76.4 57.6 86.4
123 0.0 100.2 150.4#



#12
Naphthalene
Concen: 3.03 ng
RT: 11.07 min Scan# 459
Delta R.T. 0.02 min
Lab File: BE091963.D
Acq: 5 Jul 2016 11:59

Tgt Ion: 128 Resp: 978
Ion Ratio Lower Upper
128 100
129 27.7 10.4 15.6#
127 25.9 10.2 15.2#

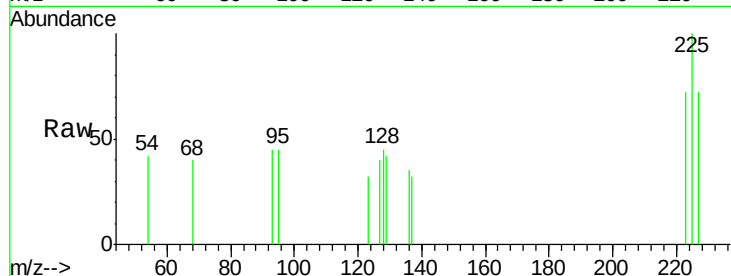




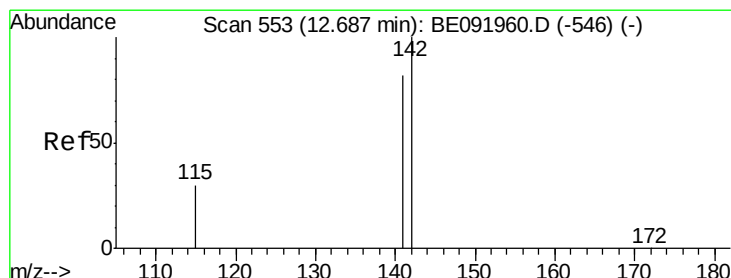
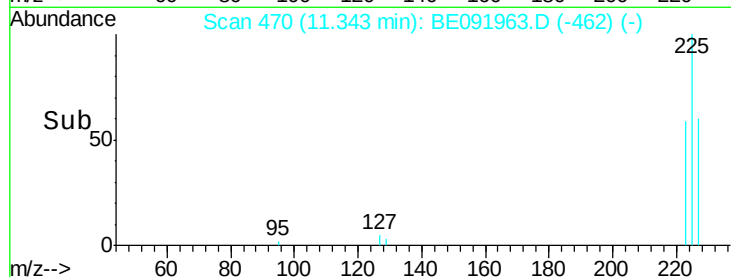
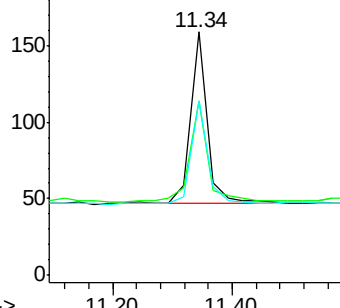
#13
Hexachlorobutadiene
Concen: 4.47 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091963.D
Acq: 5 Jul 2016 11:59

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion:225 Resp: 219
Ion Ratio Lower Upper
225 100
223 63.5 49.8 74.8
227 58.0 50.6 75.8

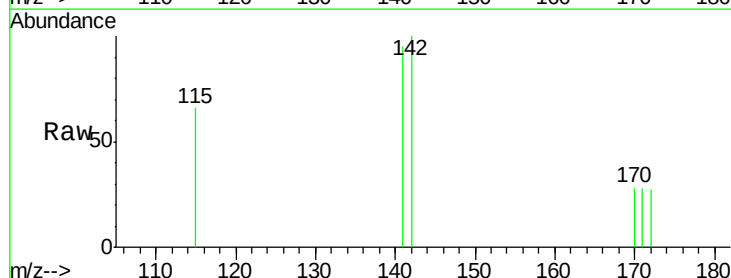


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

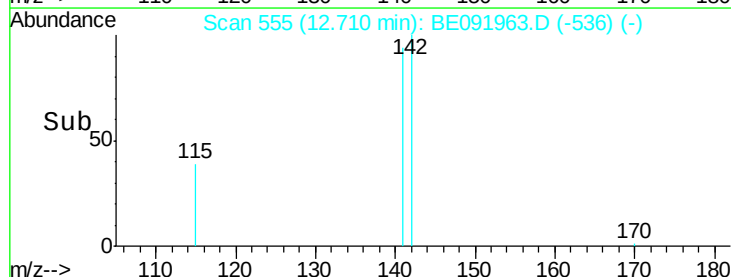
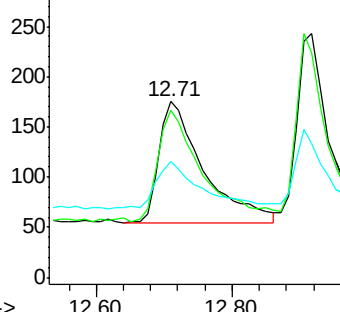


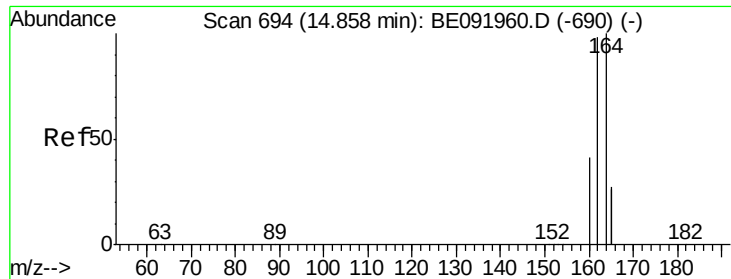
#14
2-Methylnaphthalene
Concen: 2.69 ng
RT: 12.71 min Scan# 555
Delta R.T. 0.02 min
Lab File: BE091963.D
Acq: 5 Jul 2016 11:59

Tgt Ion:142 Resp: 558
Ion Ratio Lower Upper
142 100
141 94.9 71.9 107.9
115 66.3 29.9 44.9#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

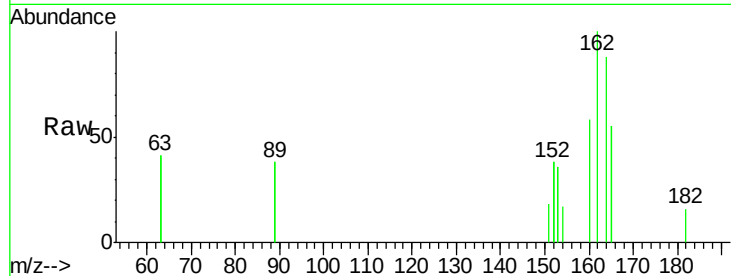
Tot Ion:164 Resp: 624

Ion Ratio Lower Upper

164 100

162 113.0 71.8 107.8#

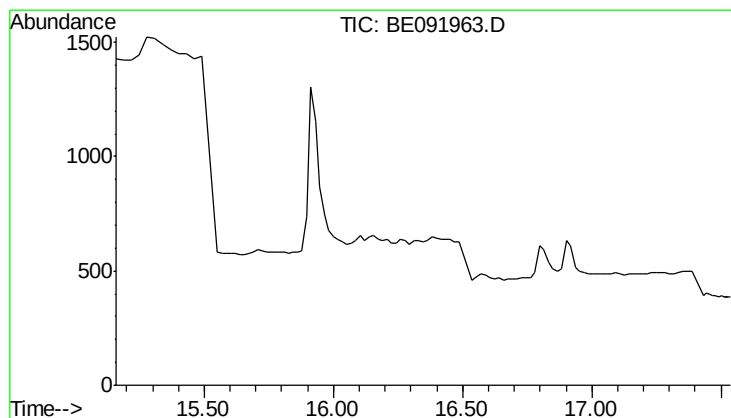
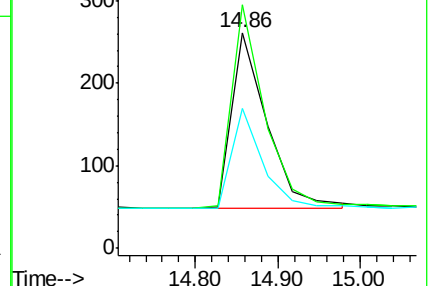
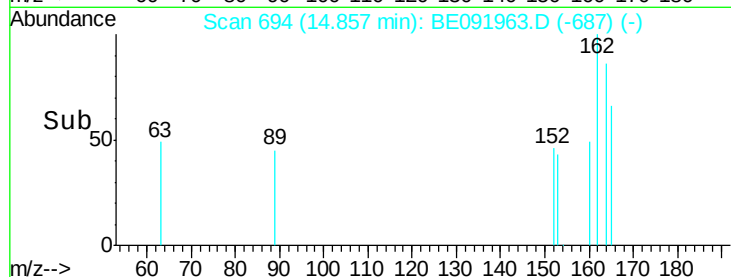
160 65.1 28.0 42.0#



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: 0.00 ng

Expected RT: 16.35 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

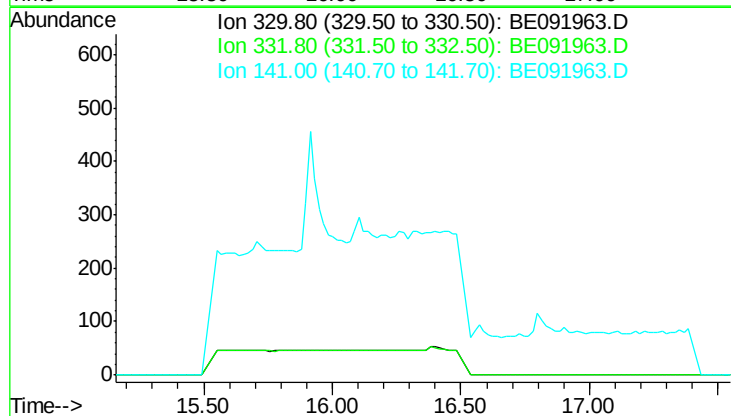
Tgt Ion: 330

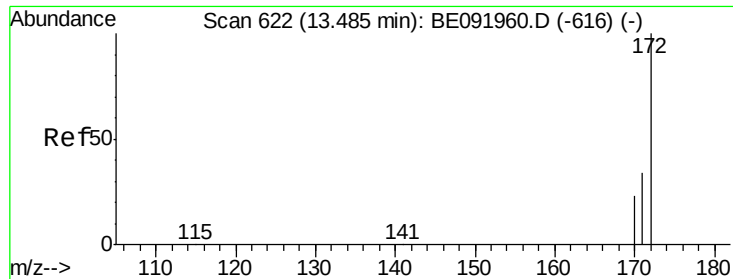
Sig Exp Ratio

330 100

332 96.3

141 173.0

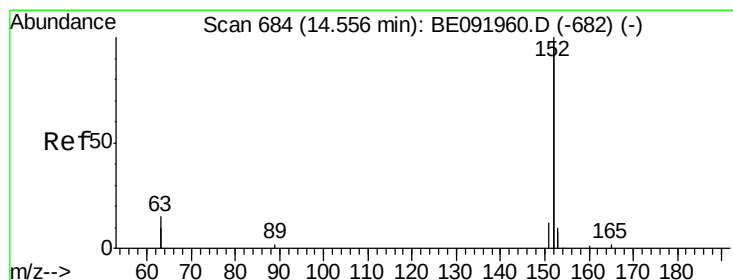
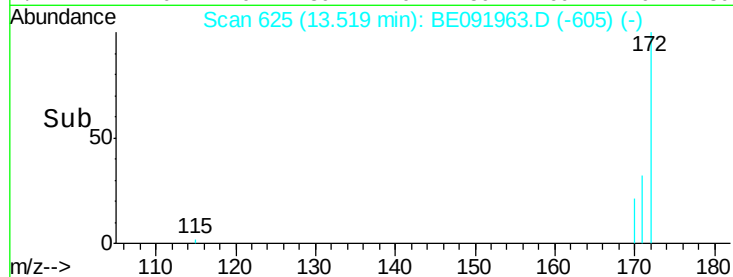
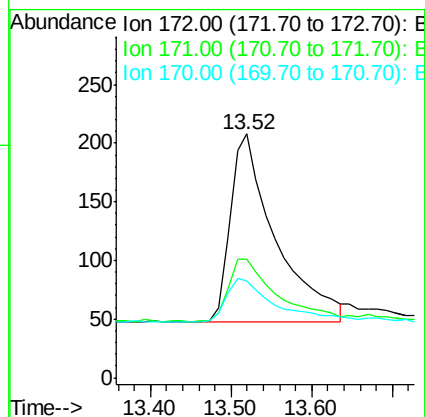
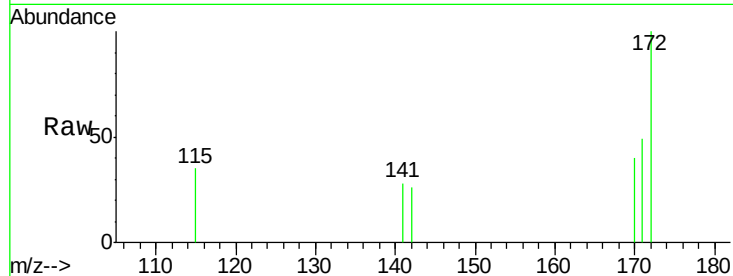




#17
2-Fluorobiphenyl
Concen: 4.12 ng
RT: 13.52 min Scan# 625
Delta R.T. 0.03 min
Lab File: BE091963.D
Acq: 5 Jul 2016 11:59

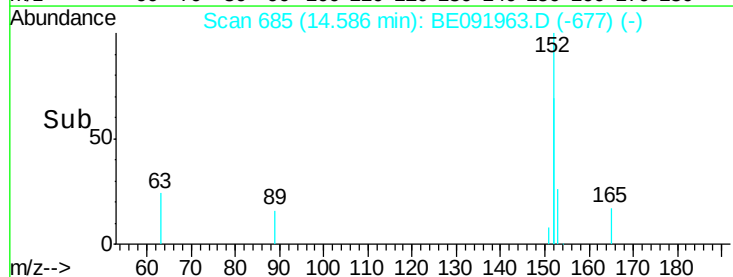
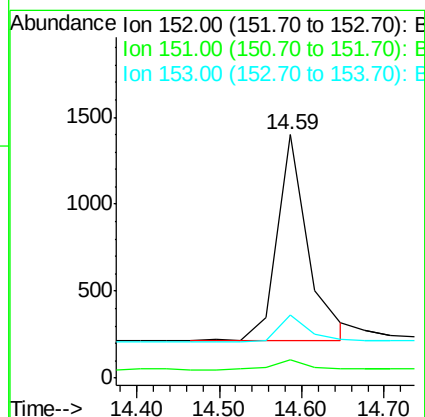
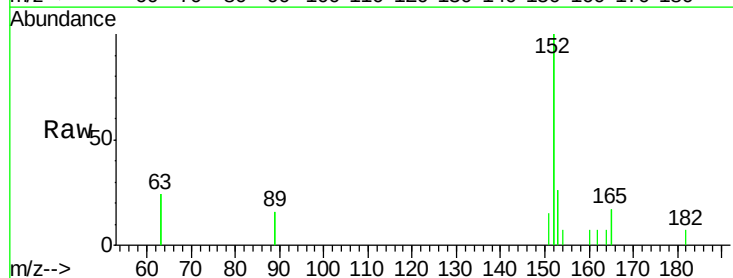
Instrument :
BNA_E
ClientSampled :
SSTDICC3.2

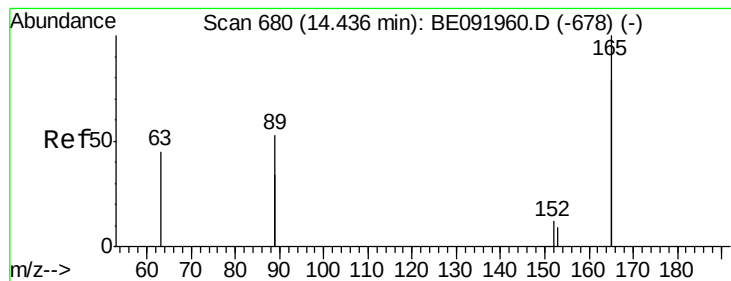
Tot Ion:172 Resp: 627
Ion Ratio Lower Upper
172 100
171 48.6 24.3 36.5#
170 39.9 14.9 22.3#



#18
Acenaphthylene
Concen: 3.96 ng
RT: 14.59 min Scan# 685
Delta R.T. 0.03 min
Lab File: BE091963.D
Acq: 5 Jul 2016 11:59

Tgt Ion:152 Resp: 3101
Ion Ratio Lower Upper
152 100
151 5.2 19.4 29.2#
153 13.5 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 9.12 ng

RT: 14.07 min Scan# 668

Delta R.T. -0.36 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

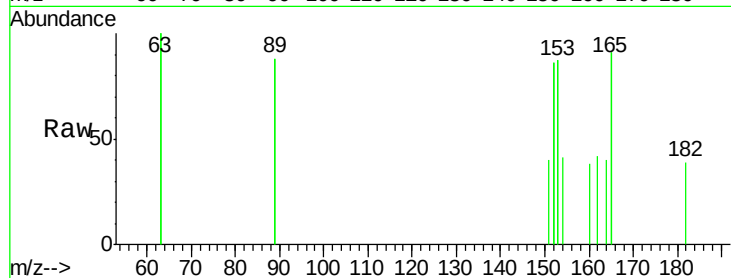
Tot Ion:165 Resp: 1669

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

89 0.0 59.1 88.7#



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

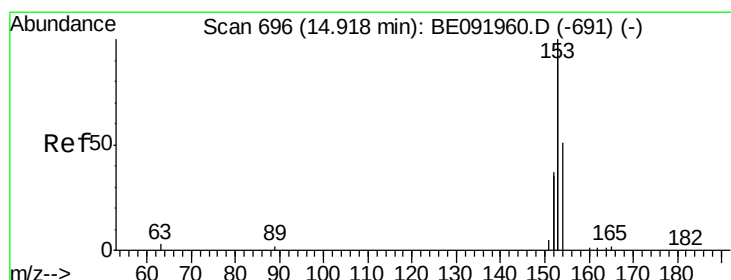
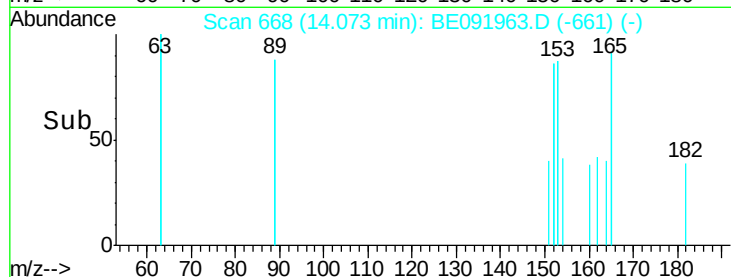
14.07

200

100

0

Time-->



#20

Acenaphthene

Concen: 3.20 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

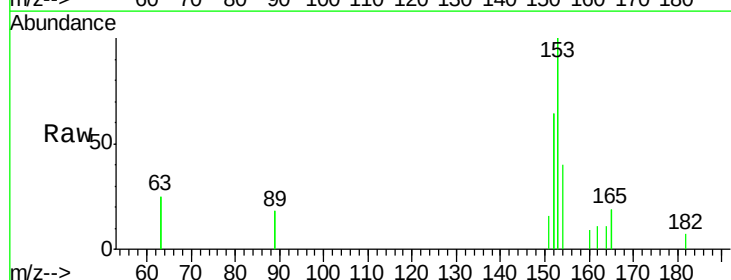
Tgt Ion:154 Resp: 546

Ion Ratio Lower Upper

154 100

153 480.4 88.1 132.1#

152 257.9 44.2 66.2#



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

14.92

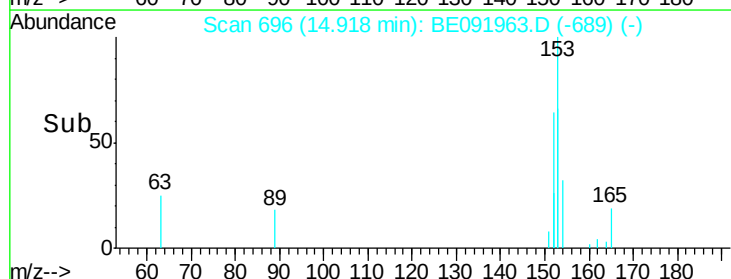
1500

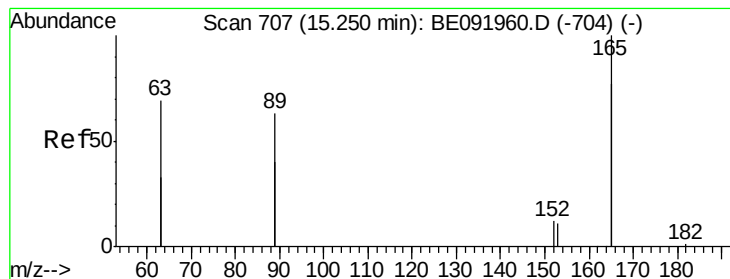
1000

500

0

Time-->





#21

2,4-Dinitrotoluene

Concen: 1.83 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.39 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

Tot Ion:165 Resp: 340

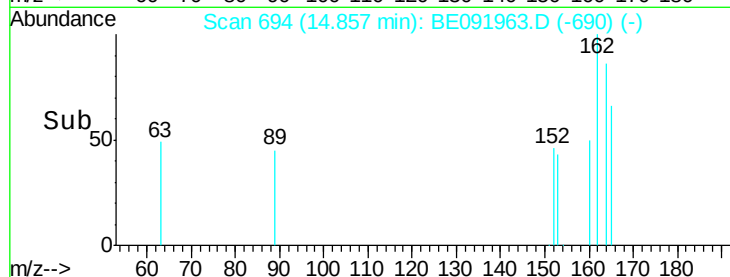
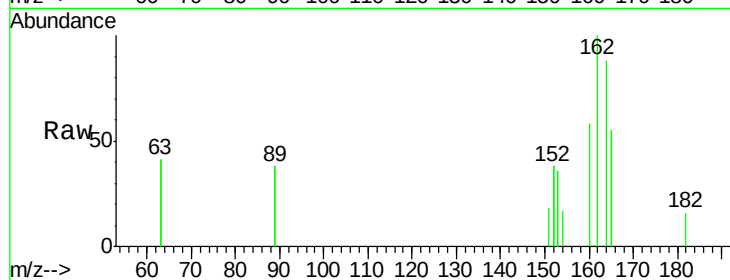
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

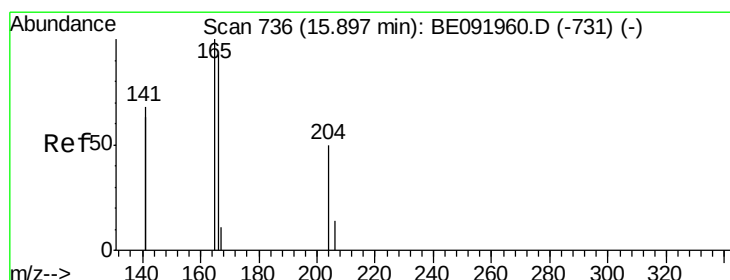
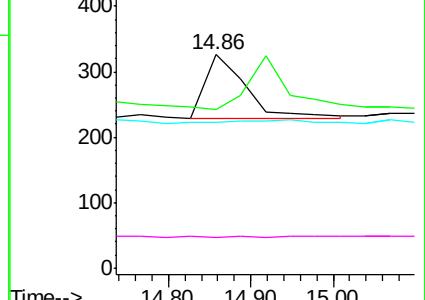


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 3.15 ng

RT: 15.91 min Scan# 737

Delta R.T. 0.02 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

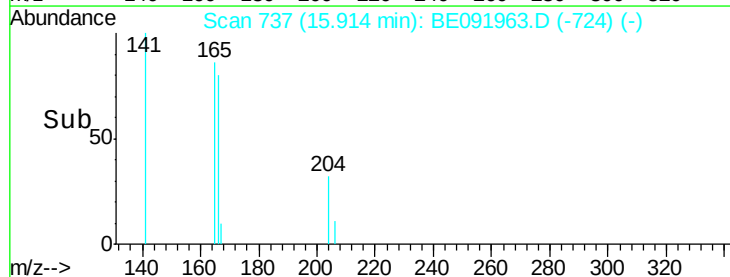
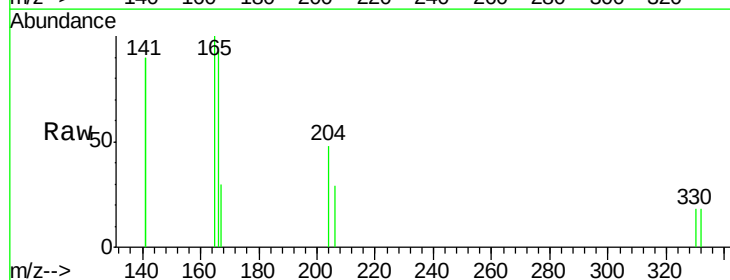
Tgt Ion:166 Resp: 567

Ion Ratio Lower Upper

166 100

165 97.5 78.6 117.8

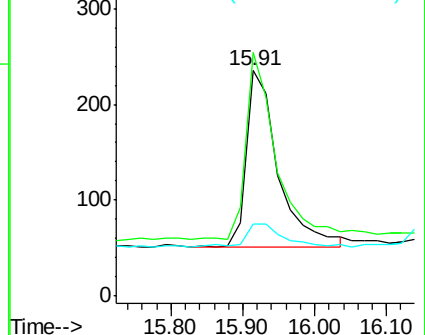
167 15.0 10.8 16.2

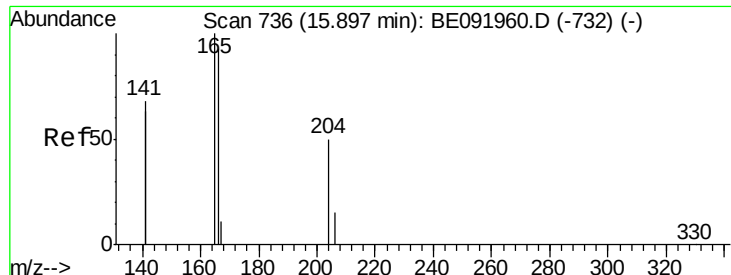


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

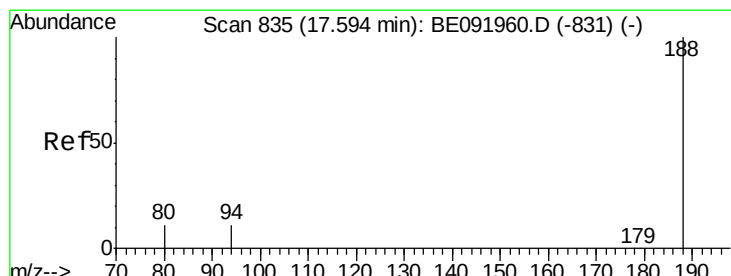
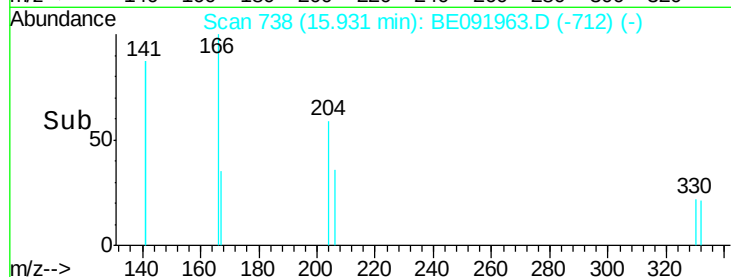
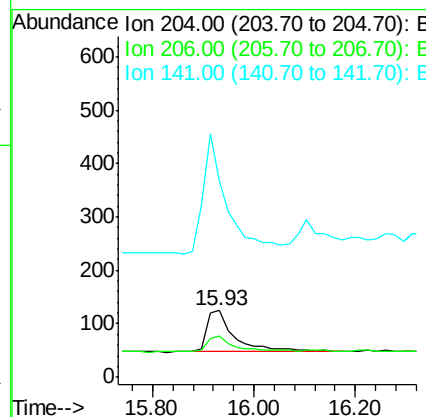
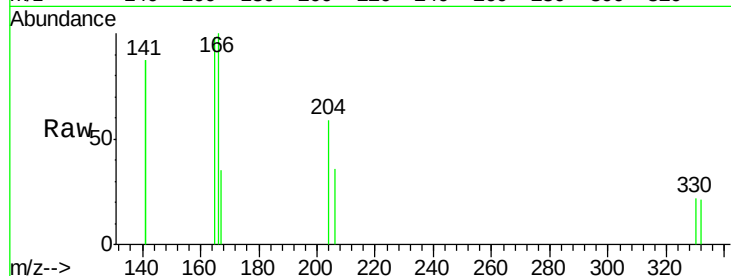




#23
 4-Chlorophenyl-phenylether
 Concen: 3.19 ng
 RT: 15.93 min Scan# 738
 Delta R.T. 0.03 min
 Lab File: BE091963.D
 Acq: 5 Jul 2016 11:59

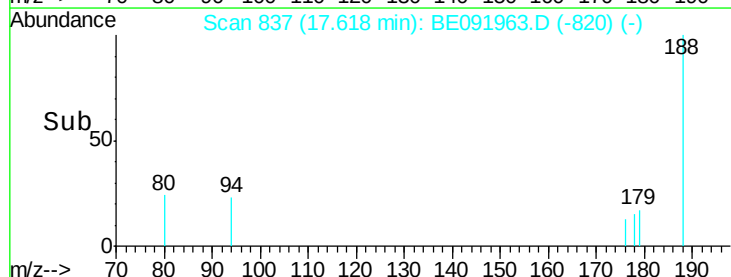
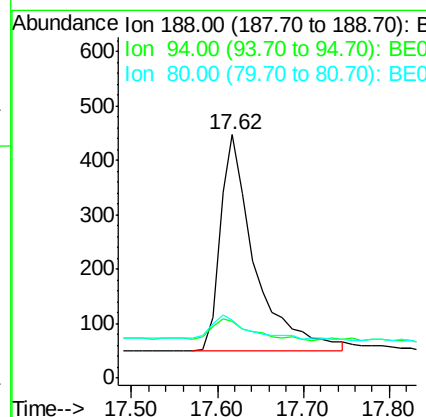
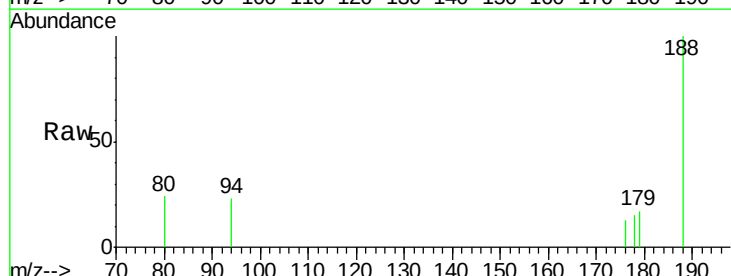
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

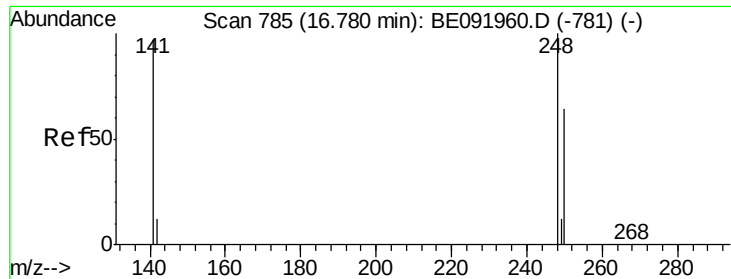
Tot Ion:204 Resp: 286
 Ion Ratio Lower Upper
 204 100
 206 31.5 27.8 41.6
 141 261.5 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.62 min Scan# 837
 Delta R.T. 0.02 min
 Lab File: BE091963.D
 Acq: 5 Jul 2016 11:59

Tgt Ion:188 Resp: 1113
 Ion Ratio Lower Upper
 188 100
 94 23.3 4.1 6.1#
 80 23.9 3.4 5.2#

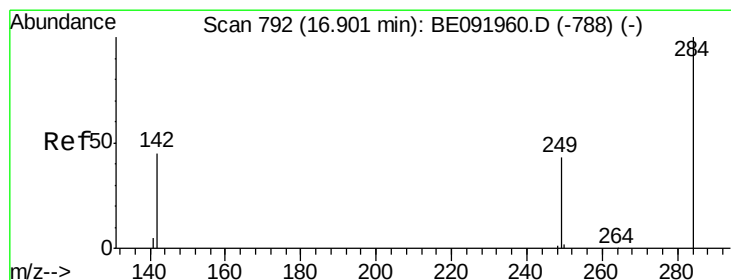
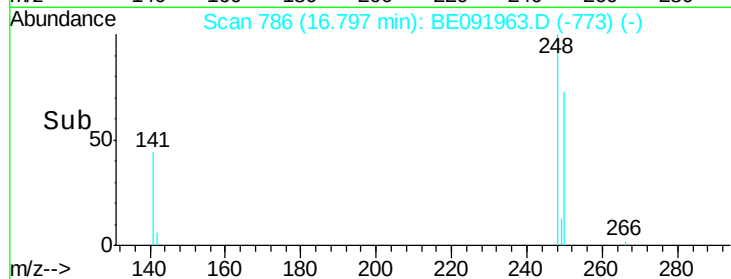
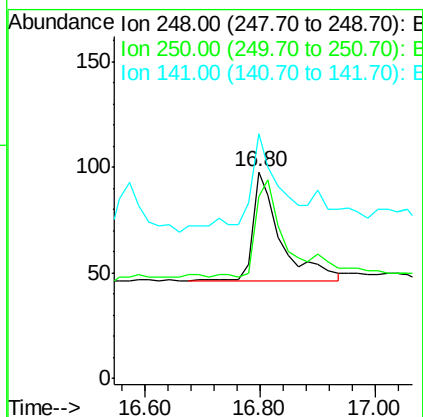
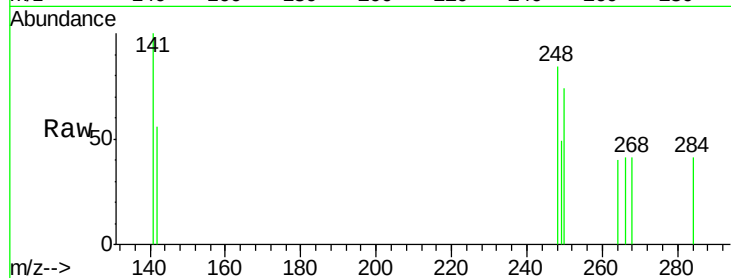




#25
4-Bromophenyl-phenylether
Concen: 3.70 ng
RT: 16.80 min Scan# 786
Delta R.T. 0.02 min
Lab File: BE091963.D
Acq: 5 Jul 2016 11:59

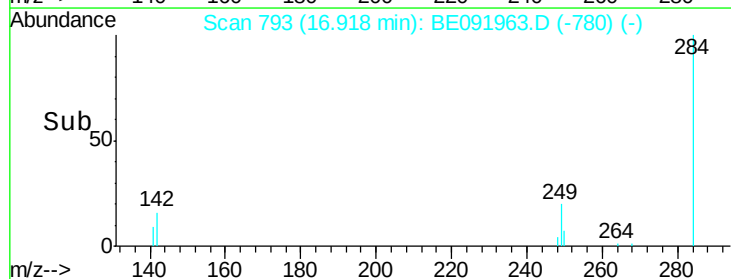
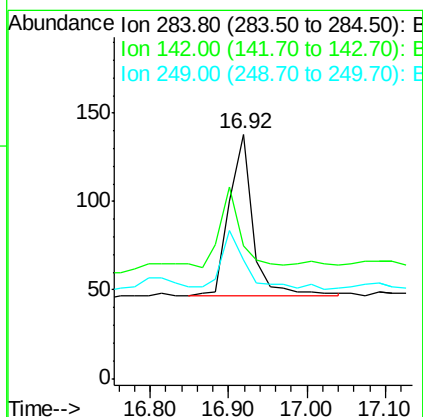
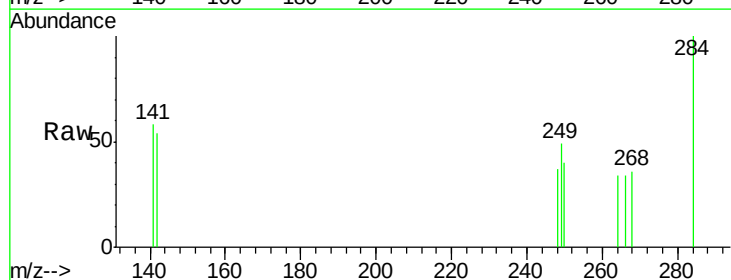
Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

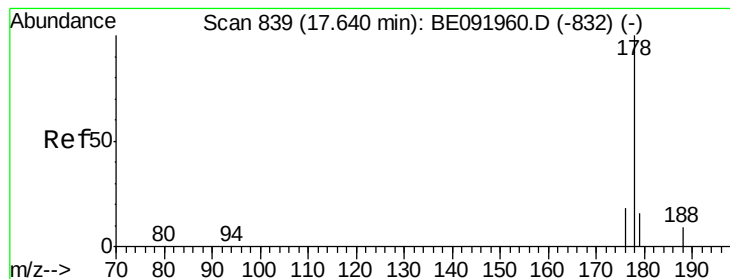
Tot Ion:248 Resp: 179
Ion Ratio Lower Upper
248 100
250 93.9 75.7 113.5
141 97.2 64.6 97.0#



#26
Hexachlorobenzene
Concen: 3.92 ng
RT: 16.92 min Scan# 793
Delta R.T. 0.02 min
Lab File: BE091963.D
Acq: 5 Jul 2016 11:59

Tgt Ion:284 Resp: 188
Ion Ratio Lower Upper
284 100
142 46.3 31.4 47.2
249 39.4 25.3 37.9#





#28

Phenanthrene

Concen: 2.94 ng

RT: 17.65 min Scan# 840

Delta R.T. 0.01 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

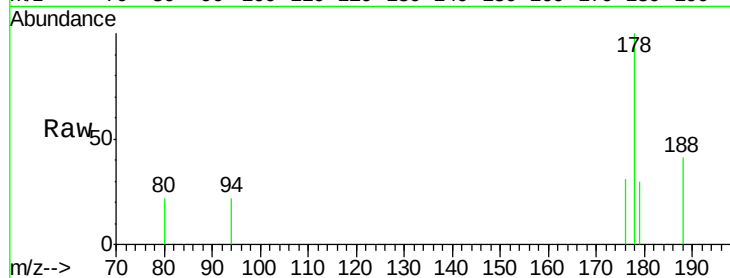
Tot Ion:178 Resp: 852

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

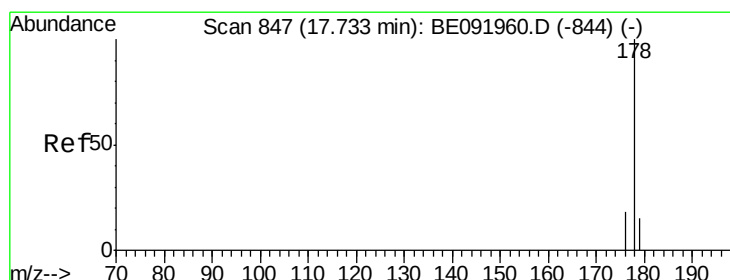
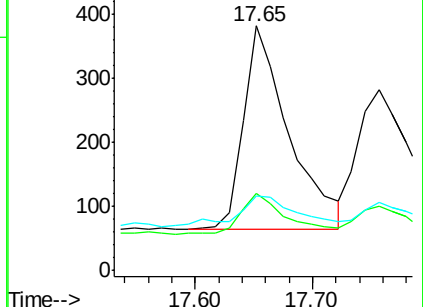
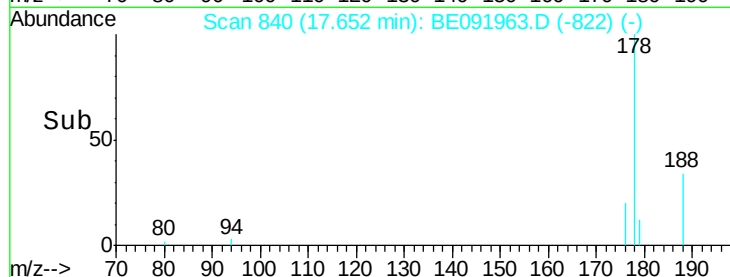
179 19.0 12.9 19.3



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: 2.72 ng

RT: 17.76 min Scan# 849

Delta R.T. 0.02 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

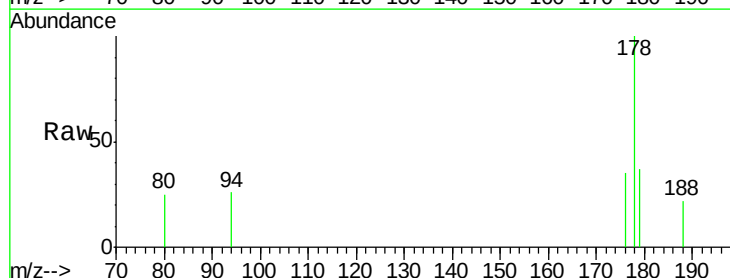
Tgt Ion:178 Resp: 736

Ion Ratio Lower Upper

178 100

176 21.5 15.1 22.7

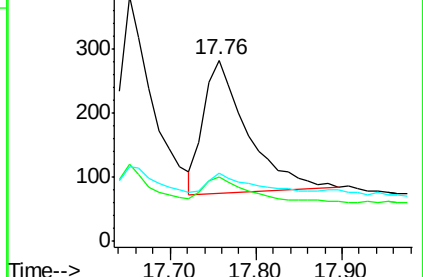
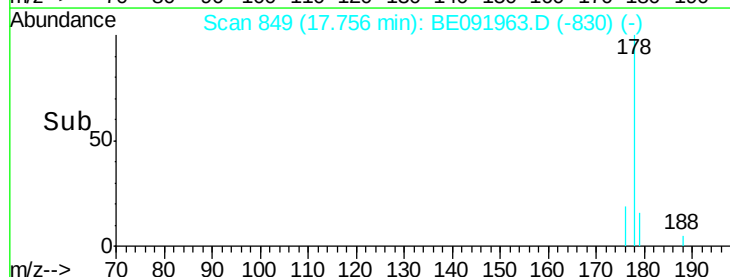
179 14.4 12.1 18.1

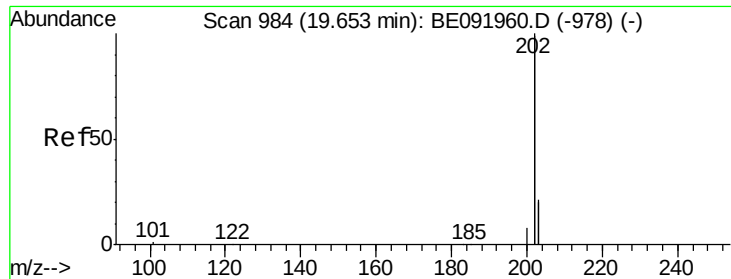


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

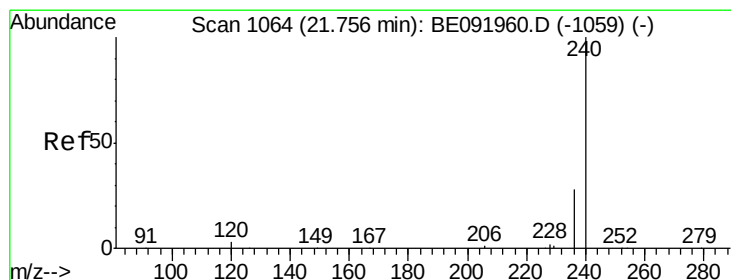
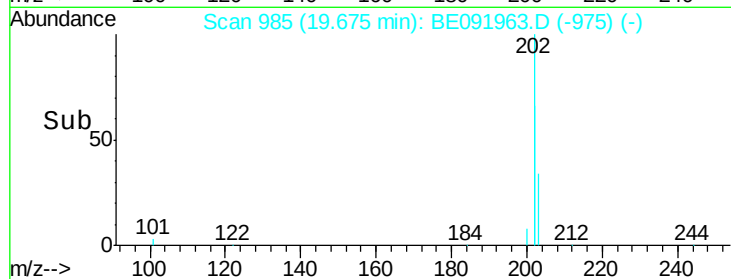
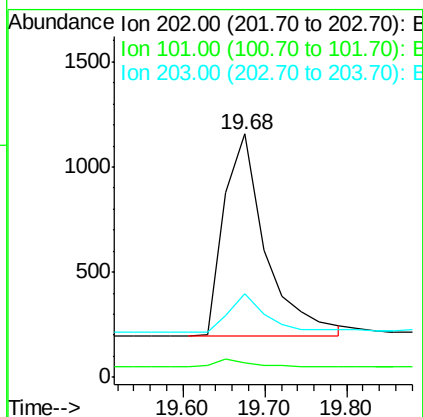
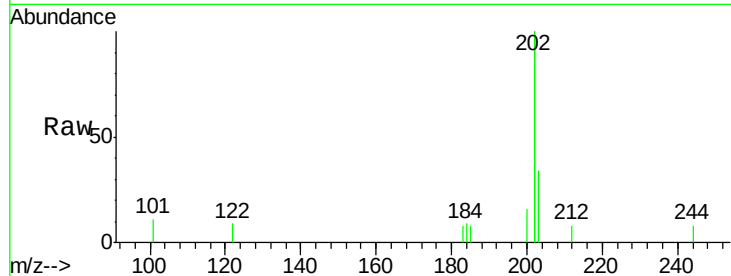




#30
 Fluoranthene
 Concen: 2.74 ng
 RT: 19.68 min Scan# 985
 Delta R.T. 0.02 min
 Lab File: BE091963.D
 Acq: 5 Jul 2016 11:59

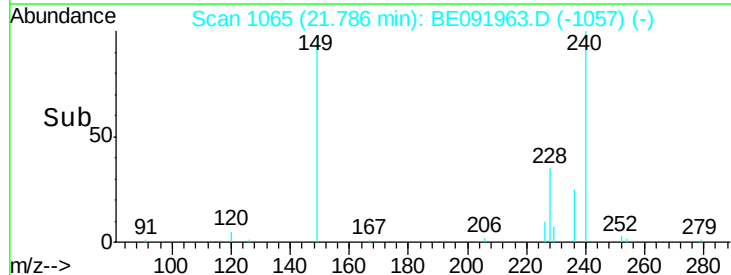
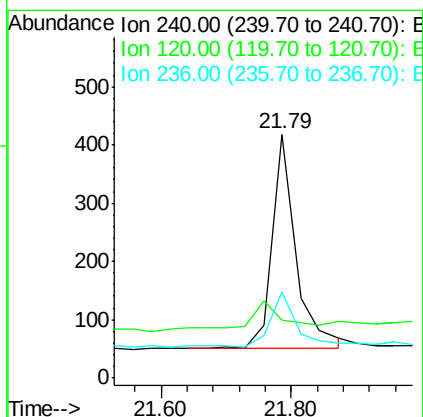
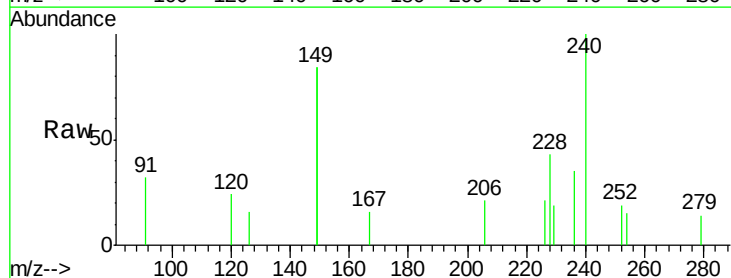
Instrument :
 BNA_E
 ClientSampleId :
 SSTDIC3.2

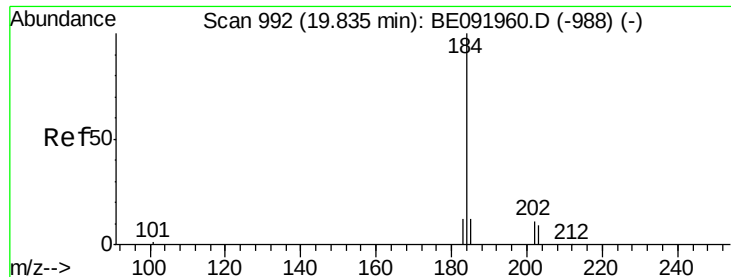
Tot Ion:202 Resp: 3416
 Ion Ratio Lower Upper
 202 100
 101 0.0 9.4 14.0#
 203 18.2 14.3 21.5



#31
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.79 min Scan# 1065
 Delta R.T. 0.03 min
 Lab File: BE091963.D
 Acq: 5 Jul 2016 11:59

Tgt Ion:240 Resp: 943
 Ion Ratio Lower Upper
 240 100
 120 23.9 1.2 1.8#
 236 35.2 19.8 29.8#





#32

Benzidine

Concen: 0.32 ng

RT: 19.77 min Scan# 989

Delta R.T. -0.07 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

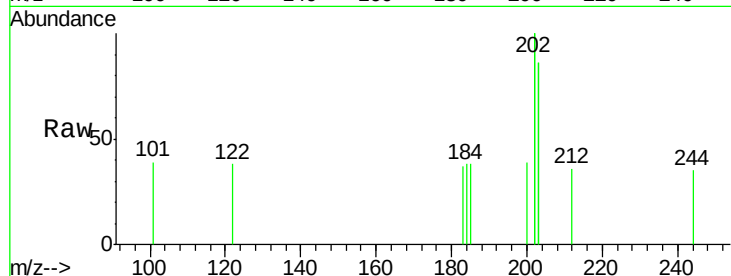
Tot Ion:184 Resp: 8

Ion Ratio Lower Upper

184 100

185 100.0 11.4 17.2#

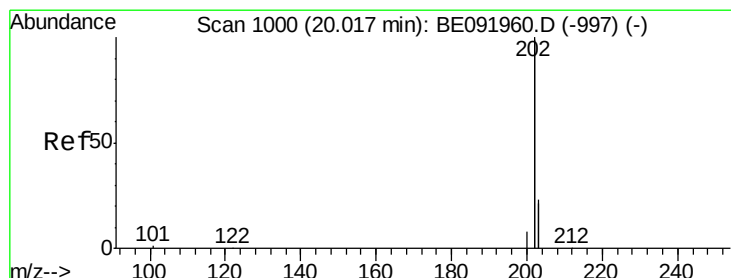
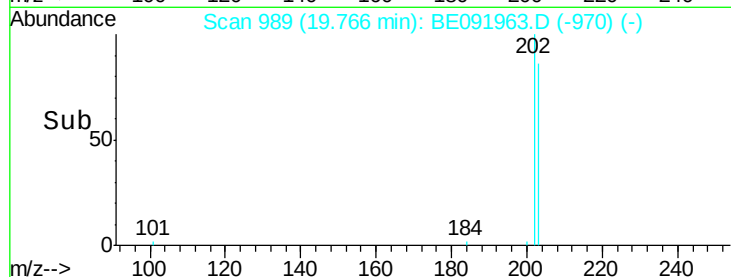
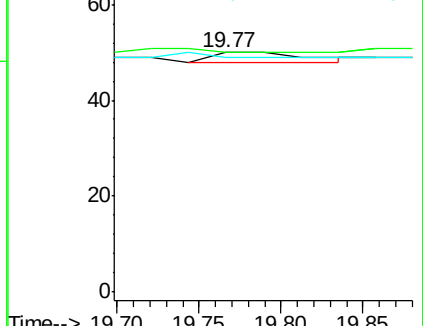
183 98.0 11.8 17.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#33

Pyrene

Concen: 5.29 ng

RT: 20.02 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

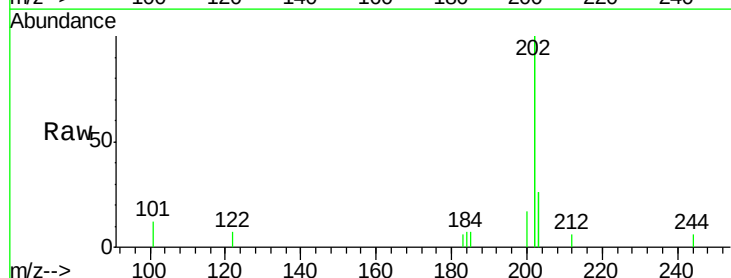
Tgt Ion:202 Resp: 3629

Ion Ratio Lower Upper

202 100

200 5.7 16.9 25.3#

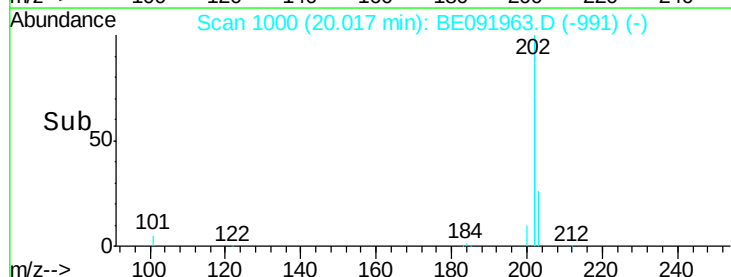
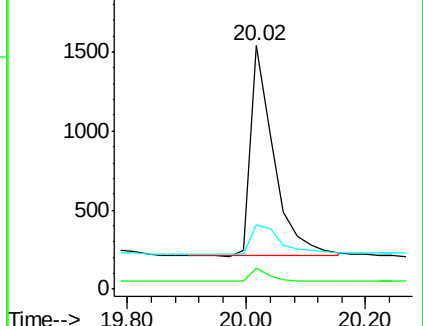
203 18.4 14.1 21.1

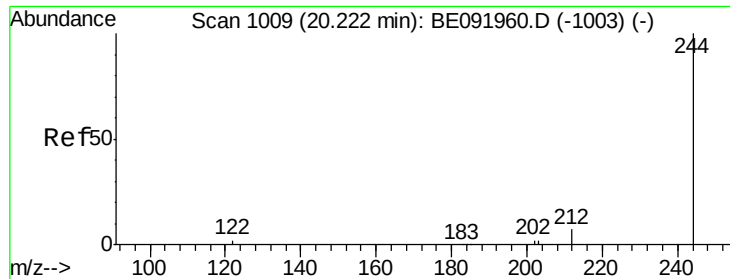


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#34

Terphenyl-d14

Concen: 4.56 ng

RT: 20.24 min Scan# 1010

Delta R.T. 0.02 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

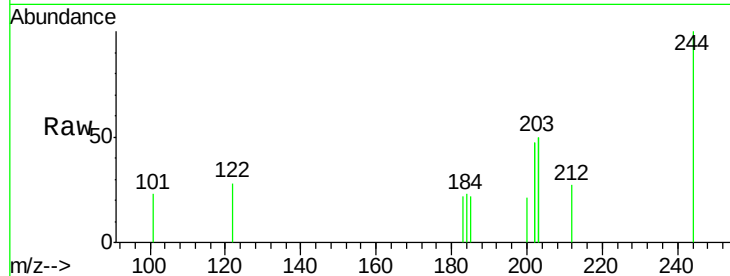
Tot Ion:244 Resp: 507

Ion Ratio Lower Upper

244 100

212 27.4 6.5 9.7#

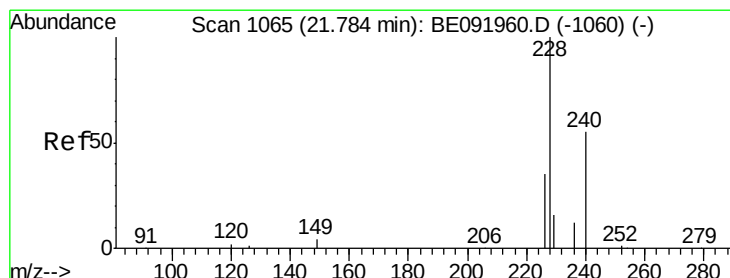
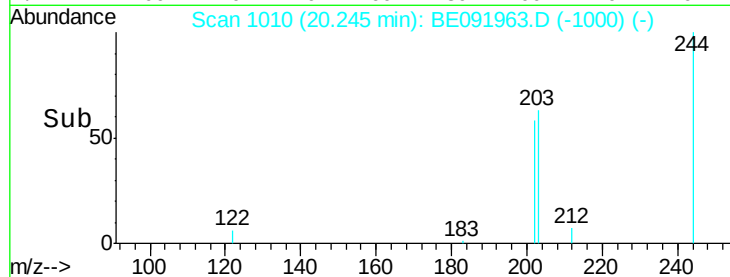
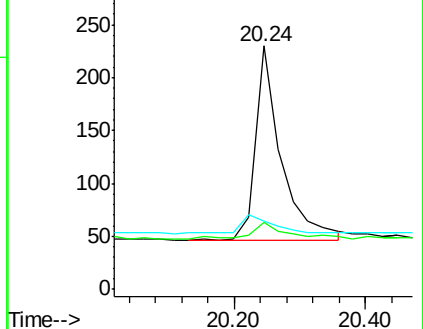
122 28.3 2.9 4.3#



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: 9.64 ng

RT: 21.81 min Scan# 1066

Delta R.T. 0.09 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

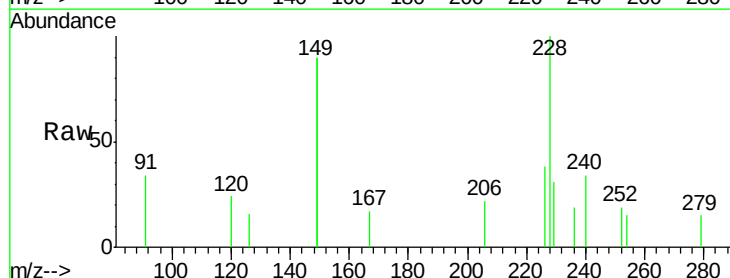
Tgt Ion:228 Resp: 1522

Ion Ratio Lower Upper

228 100

226 37.6 21.0 31.4#

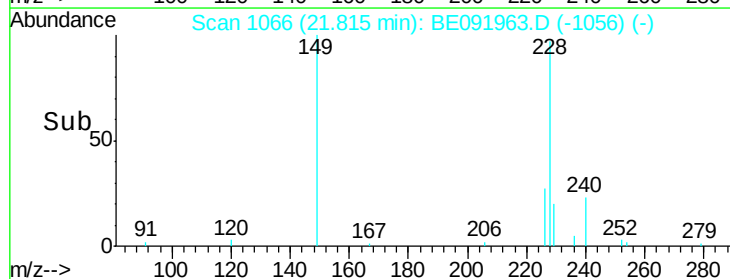
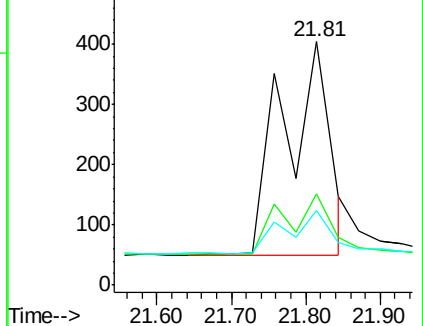
229 30.7 15.8 23.8#

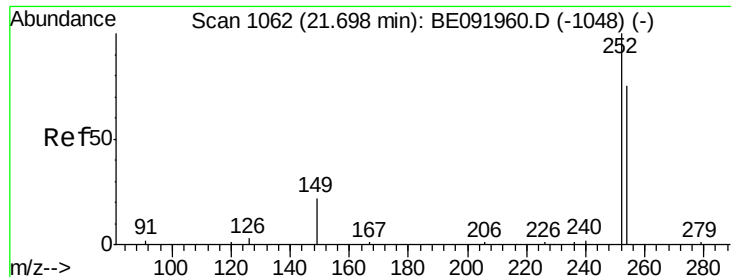


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

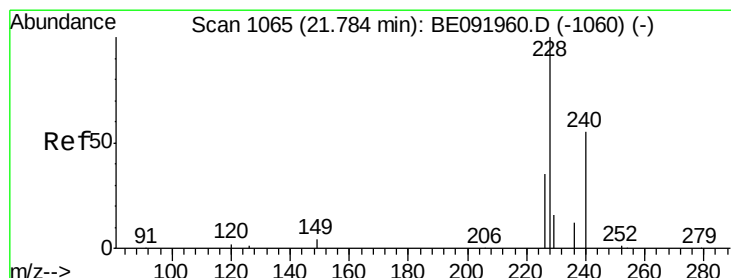
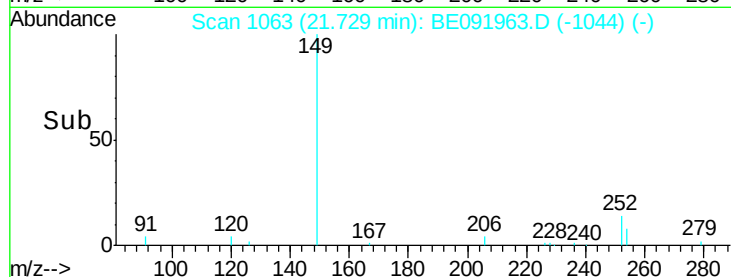
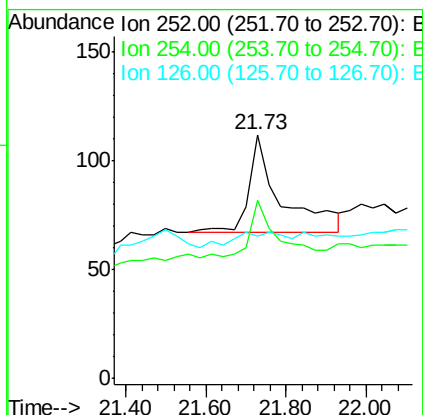
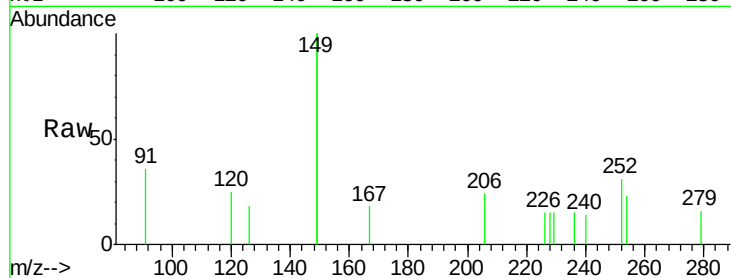




#36
 3,3'-Dichlorobenzidine
 Concen: 6.22 ng
 RT: 21.73 min Scan# 1063
 Delta R.T. 0.03 min
 Lab File: BE091963.D
 Acq: 5 Jul 2016 11:59

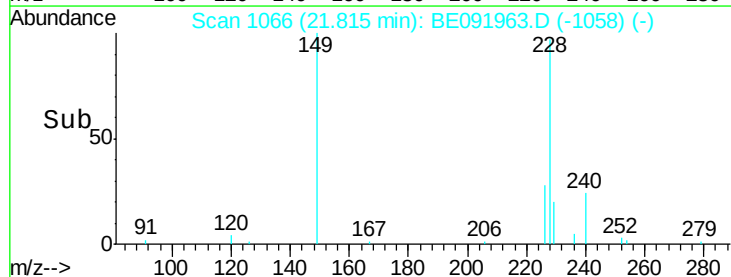
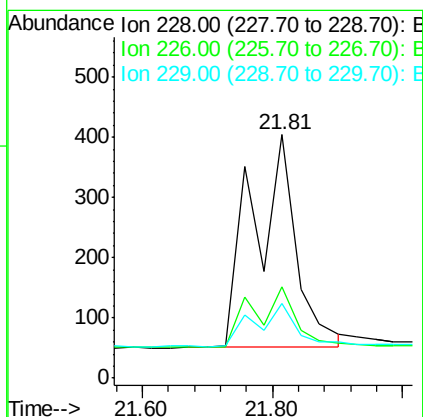
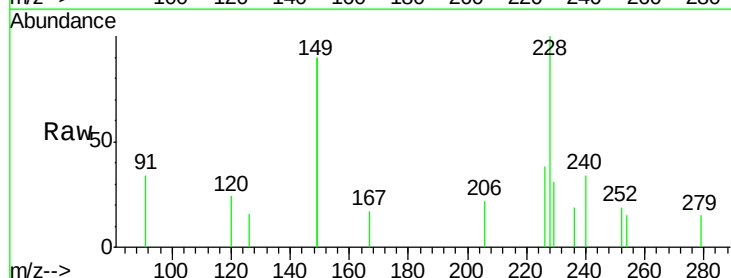
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

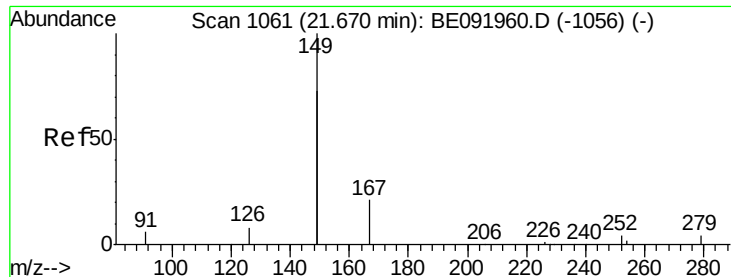
Tot Ion:252 Resp: 253
 Ion Ratio Lower Upper
 252 100
 254 73.2 61.5 92.3
 126 58.0 2.5 3.7#



#37
 Chrysene
 Concen: 7.22 ng
 RT: 21.81 min Scan# 1066
 Delta R.T. 0.03 min
 Lab File: BE091963.D
 Acq: 5 Jul 2016 11:59

Tgt Ion:228 Resp: 1615
 Ion Ratio Lower Upper
 228 100
 226 37.6 27.0 40.6
 229 30.7 13.8 20.8#





#38

Bis(2-ethylhexyl)phthalate

Concen: 6.80 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

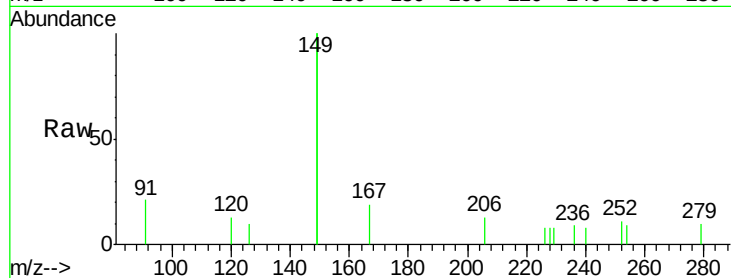
Tot Ion:149 Resp: 1244

Ion Ratio Lower Upper

149 100

167 9.6 0.0 0.0#

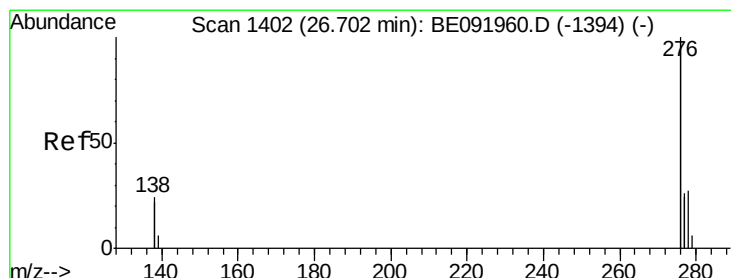
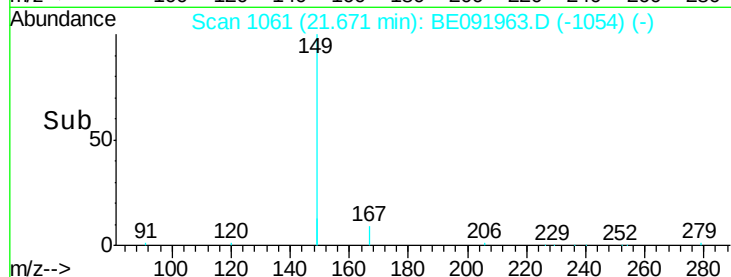
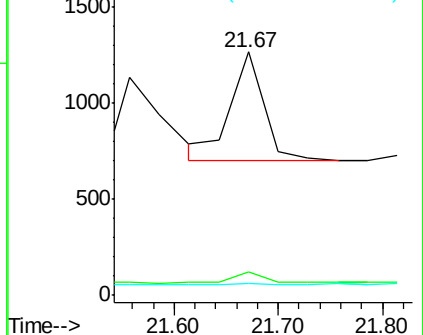
279 2.3 0.0 0.0#



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: 3.58 ng

RT: 26.74 min Scan# 1403

Delta R.T. 0.03 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

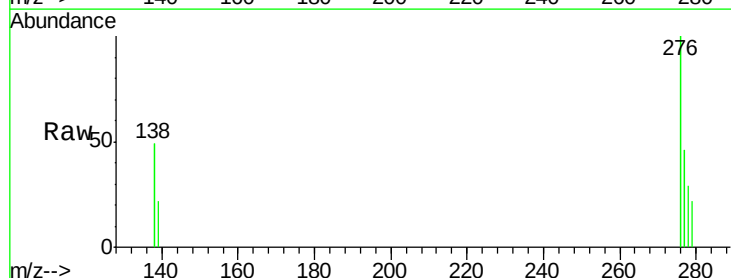
Tgt Ion:276 Resp: 3147

Ion Ratio Lower Upper

276 100

138 27.7 19.7 29.5

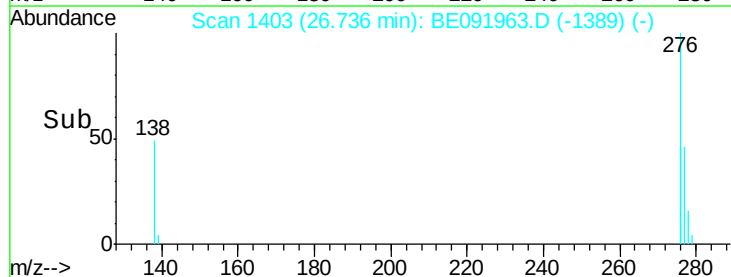
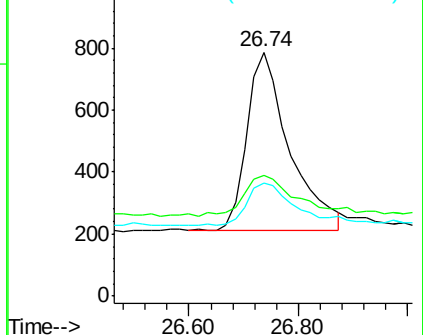
277 25.5 20.1 30.1

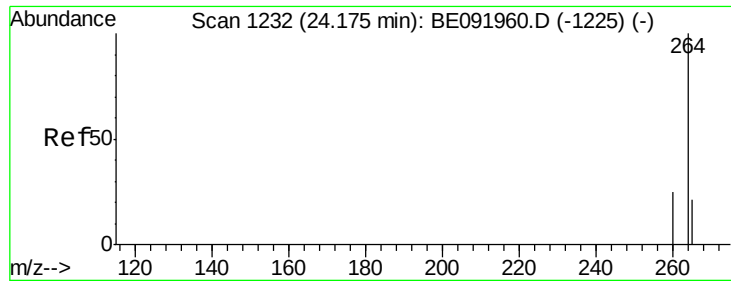


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Pervlene-d12

Concen: 5.00 ng

RT: 24.20 min Scan# 1233

Delta R.T. 0.02 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

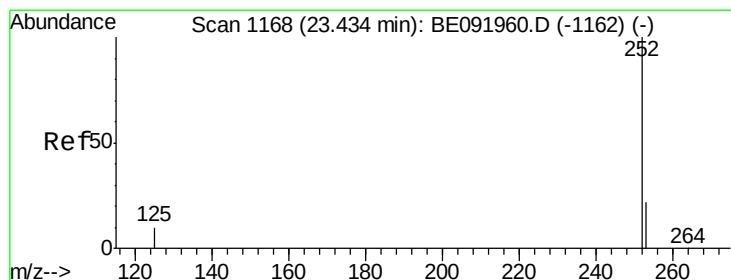
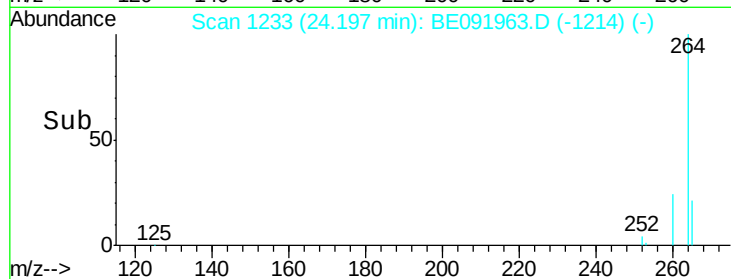
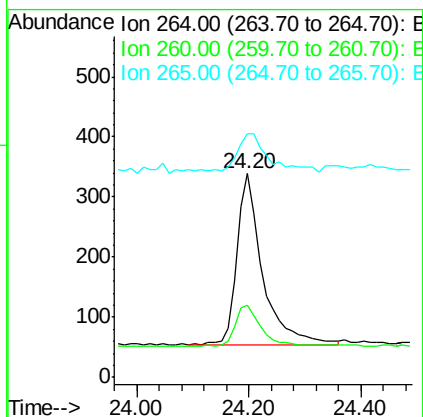
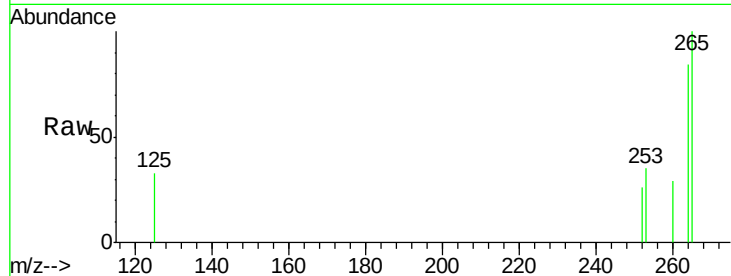
Tot Ion:264 Resp: 903

Ion Ratio Lower Upper

264 100

260 35.1 20.3 30.5#

265 119.5 17.6 26.4#



#41

Benzo(b)fluoranthene

Concen: 2.94 ng

RT: 23.46 min Scan# 1169

Delta R.T. 0.02 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

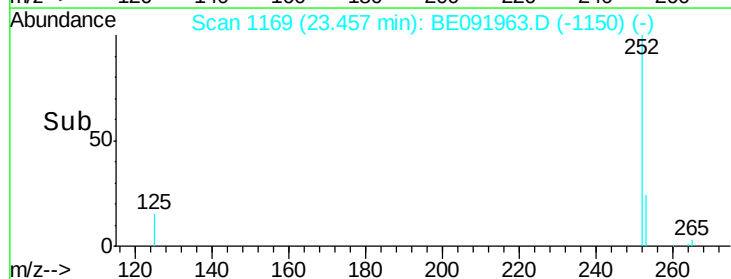
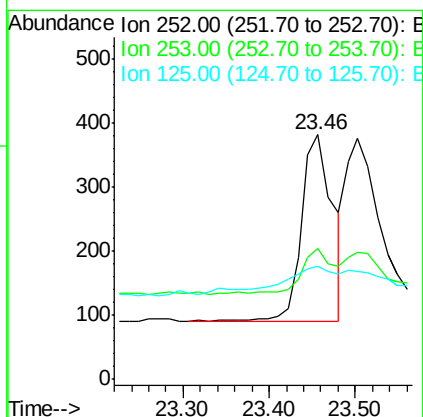
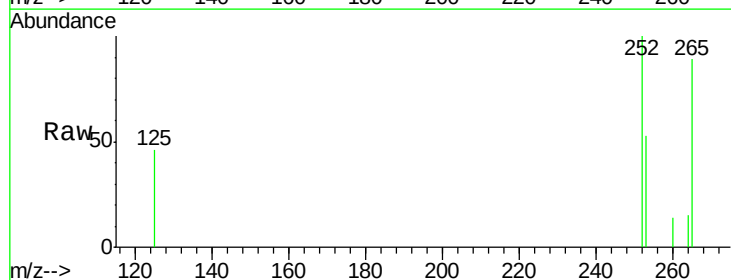
Tgt Ion:252 Resp: 733

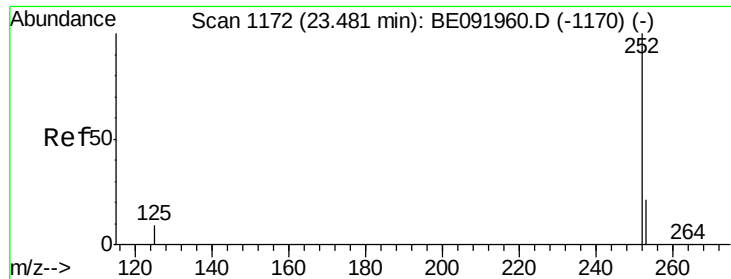
Ion Ratio Lower Upper

252 100

253 53.3 17.8 26.6#

125 45.9 9.4 14.2#





#42

Benzo(k)fluoranthene

Concen: 3.42 ng

RT: 23.50 min Scan# 1173

Delta R.T. 0.02 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

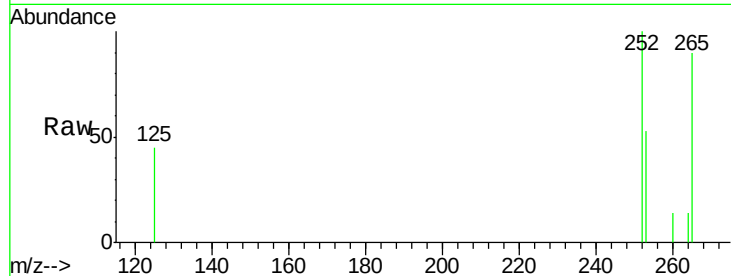
Tot Ion:252 Resp: 824

Ion Ratio Lower Upper

252 100

253 52.7 19.4 29.2#

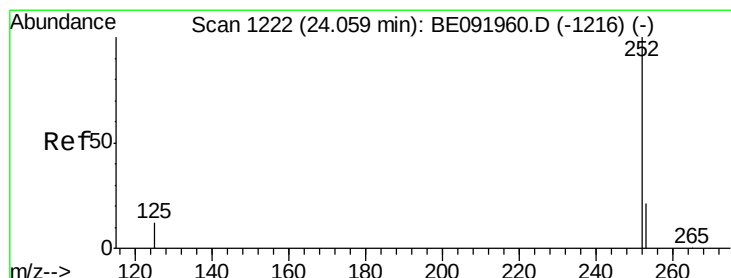
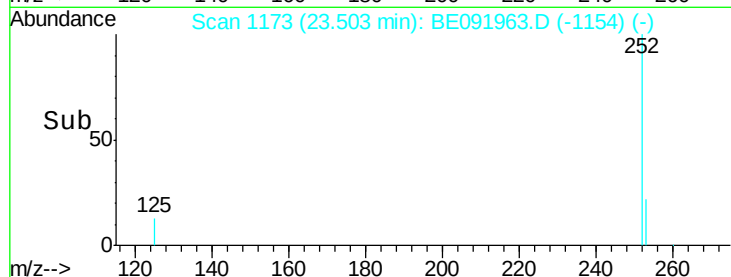
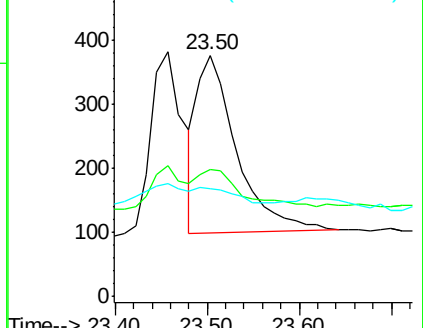
125 44.7 8.3 12.5#



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: 3.06 ng

RT: 24.09 min Scan# 1224

Delta R.T. 0.03 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

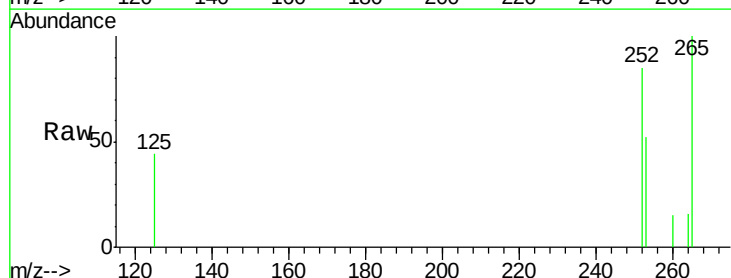
Tgt Ion:252 Resp: 721

Ion Ratio Lower Upper

252 100

253 61.4 18.9 28.3#

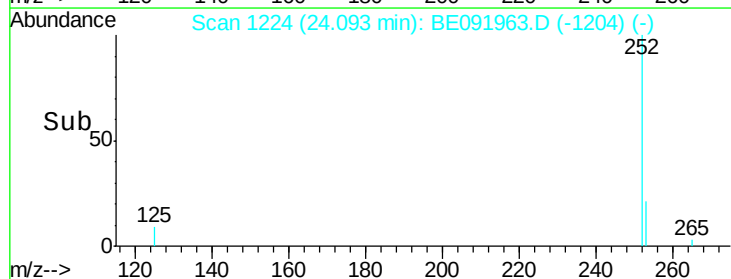
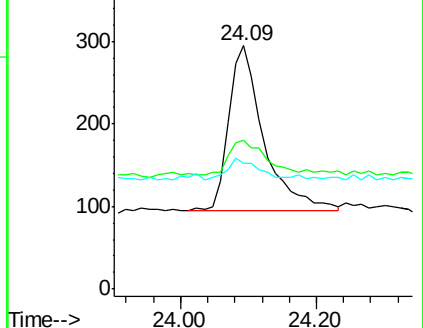
125 51.9 10.5 15.7#

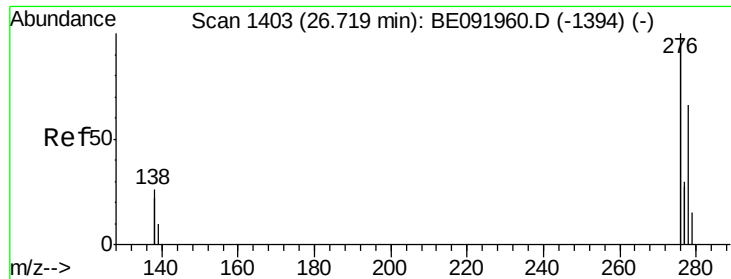


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#44

Dibenzo(a,h)anthracene

Concen: 2.69 ng

RT: 26.77 min Scan# 1405

Delta R.T. 0.05 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

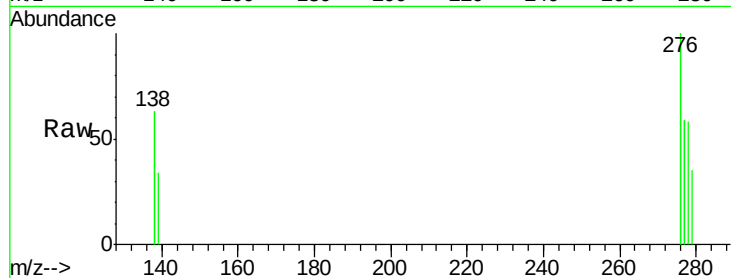
Tot Ion:278 Resp: 596

Ion Ratio Lower Upper

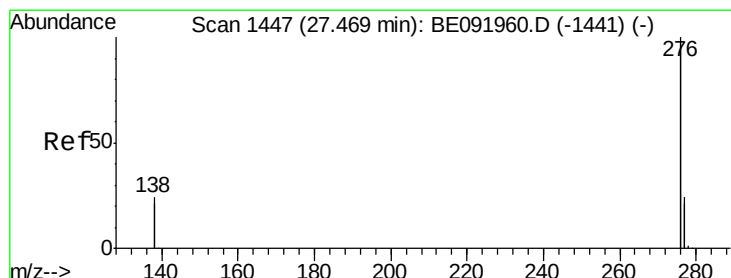
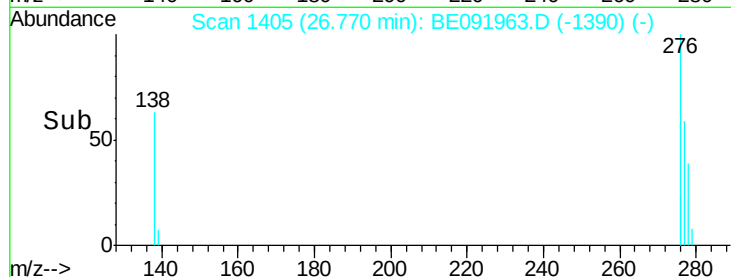
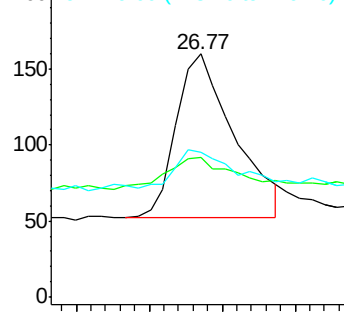
278 100

139 57.5 12.6 18.8#

279 59.4 20.0 30.0#



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: 3.16 ng

RT: 27.50 min Scan# 1448

Delta R.T. 0.03 min

Lab File: BE091963.D

Acq: 5 Jul 2016 11:59

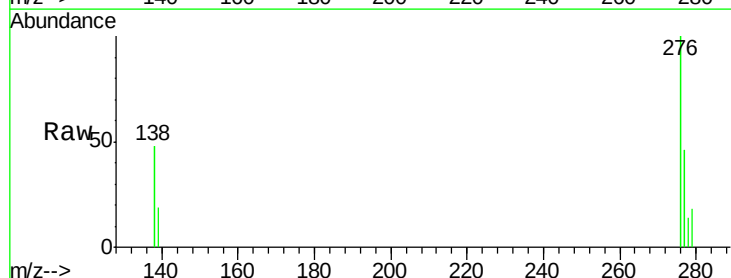
Tgt Ion:276 Resp: 2860

Ion Ratio Lower Upper

276 100

277 46.4 19.5 29.3#

138 47.7 17.7 26.5#



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

