

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070916\
 Data File : BE091996.D
 Acq On : 9 Jul 2016 13:27
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Jul 11 04:26:31 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	8.20	152	20765	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	97992	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	69050	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	157949	5.00	ng	0.00
31) Chrysene-d12	21.76	240	292330	5.00	ng	0.00
40) Perylene-d12	24.17	264	216112	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	1736	0.35	ng	0.00
5) Phenol-d6	7.37	99	2319	0.34	ng	0.00
9) Nitrobenzene-d5	9.37	82	2437	0.37	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	716	0.43	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	7167	0.43	ng	0.00
34) Terphenyl-d14	20.22	244	12333	0.36	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	1100	0.39	ng	91
3) n-Nitrosodimethylamine	3.82	42	1149	0.35	ng	86
6) bis(2-Chloroethyl)ether	7.61	93	2271	0.38	ng	98
7) n-Nitroso-di-n-propylamine	9.00	70	1915	0.33	ng	# 99
10) Nitrobenzene	9.42	77	2545	0.35	ng	# 98
11) bis(2-Chloroethoxy)methane	10.44	93	3359	0.41	ng	# 16
12) Naphthalene	11.04	128	8859	0.39	ng	96
13) Hexachlorobutadiene	11.34	225	1294	0.37	ng	98
14) 2-Methylnaphthalene	12.68	142	5513	0.38	ng	99
18) Acenaphthylene	14.56	152	35080	0.40	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	5406	0.39	ng	# 38
20) Acenaphthene	14.92	154	7176	0.38	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	7374	0.54	ng	# 1
22) Fluorene	15.90	166	8117	0.41	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	4067	0.41	ng	99
25) 4-Bromophenyl-phenylether	16.78	248	2442	0.36	ng	96
26) Hexachlorobenzene	16.90	284	2571	0.38	ng	99
27) Pentachlorophenol	17.26	266	588	0.36	ng	97
28) Phenanthrene	17.64	178	15823	0.38	ng	100
29) Anthracene	17.73	178	14004	0.36	ng	99
30) Fluoranthene	19.65	202	65823	0.37	ng	# 86
32) Benzidine	19.83	184	3472	0.36	ng	# 96
33) Pyrene	20.02	202	69455	0.33	ng	# 74
35) Benzo(a)anthracene	21.78	228	48213	0.98	ng	# 90
36) 3,3'-Dichlorobenzidine	21.70	252	3526	0.21	ng	# 99
37) Chrysene	21.78	228	48776	0.70	ng	99
38) Bis(2-ethylhexyl)phthalate	21.64	149	14401	0.25	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	89628	0.33	ng	98
41) Benzo(b)fluoranthene	23.42	252	23641	0.40	ng	98
42) Benzo(k)fluoranthene	23.48	252	19972	0.35	ng	99
43) Benzo(a)pyrene	24.06	252	20166	0.36	ng	100
44) Dibenzo(a,h)anthracene	26.72	278	18064	0.34	ng	99
45) Benzo(g,h,i)perylene	27.47	276	74266	0.34	ng	99

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Quant Time: Jul 11 04:26:31 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 05 16:14:58 2016
Response via : Initial Calibration

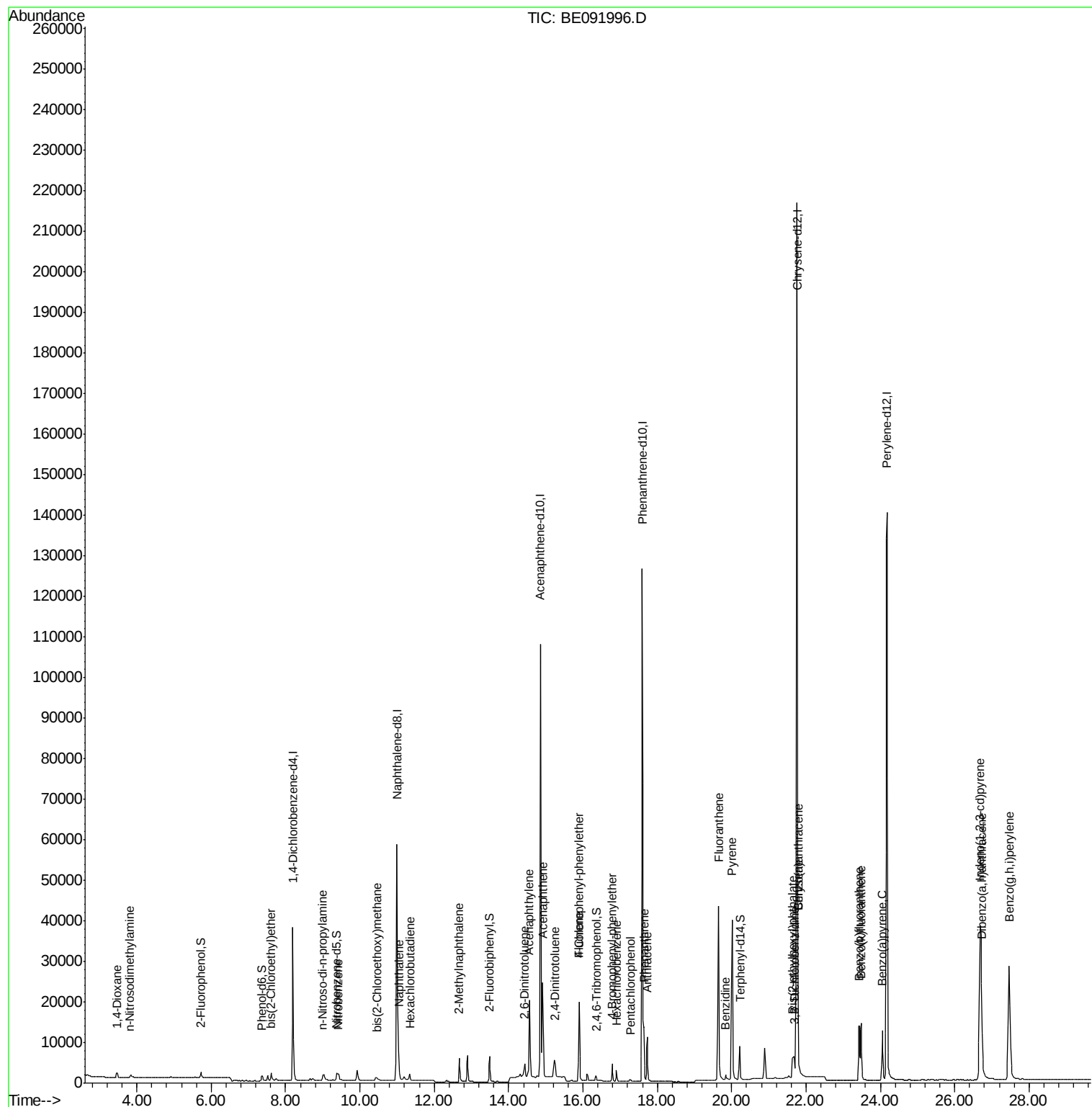
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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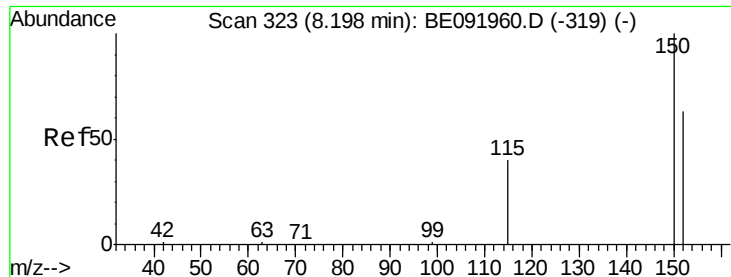
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. 0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

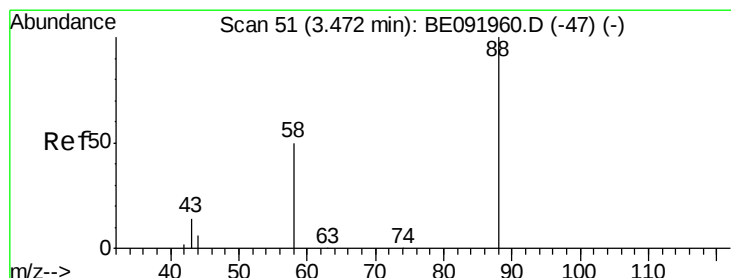
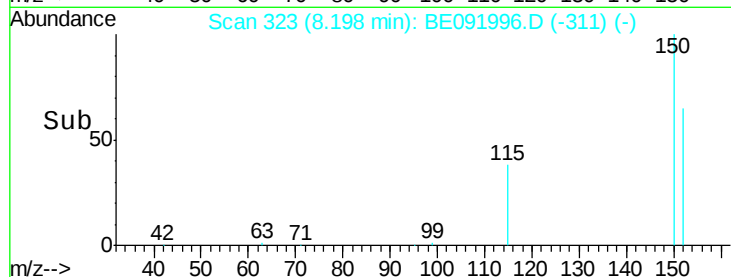
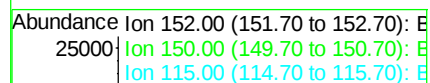
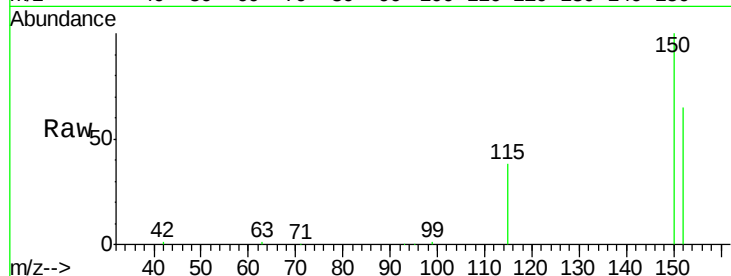
Tgt Ion:152 Resp: 20765

Ion Ratio Lower Upper

152 100

150 153.7 123.9 185.9

115 58.5 48.3 72.5



#2

1,4-Dioxane

Concen: 0.39 ng

RT: 3.47 min Scan# 51

Delta R.T. -0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

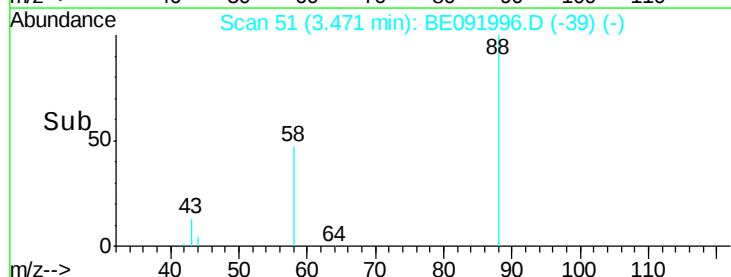
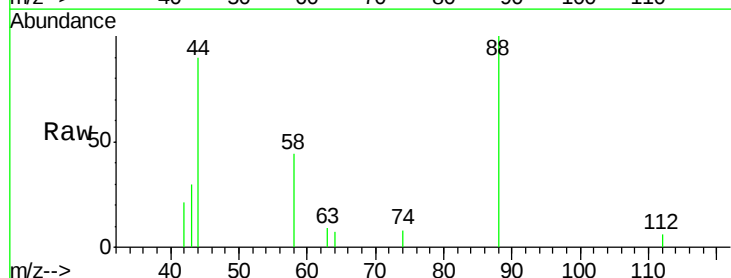
Tgt Ion: 88 Resp: 1100

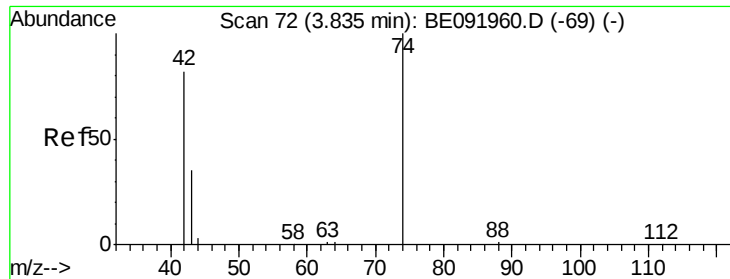
Ion Ratio Lower Upper

88 100

58 85.5 63.0 94.4

43 42.9 29.1 43.7



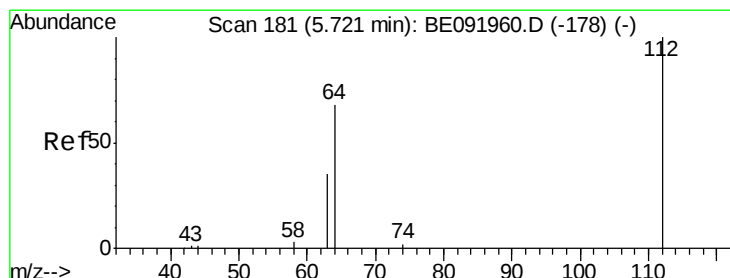
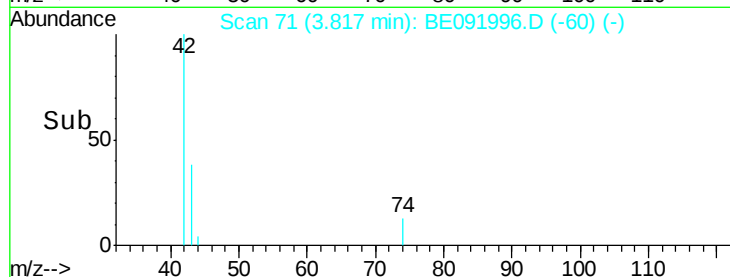
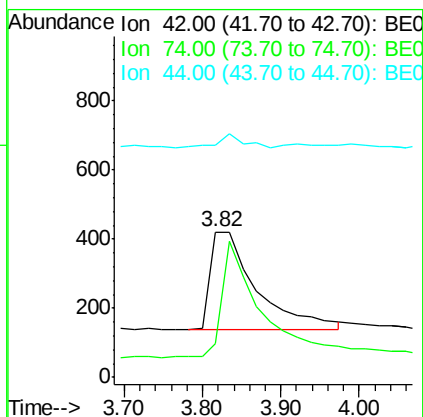
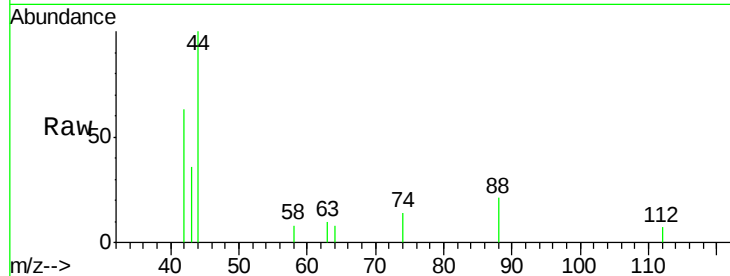


#3

n-Nitrosodimethylamine
 Concen: 0.35 ng
 RT: 3.82 min Scan# 71
 Delta R.T. -0.02 min
 Lab File: BE091996.D
 Acq: 9 Jul 2016 13:27

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

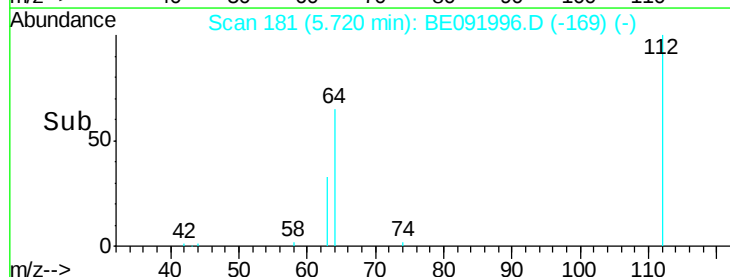
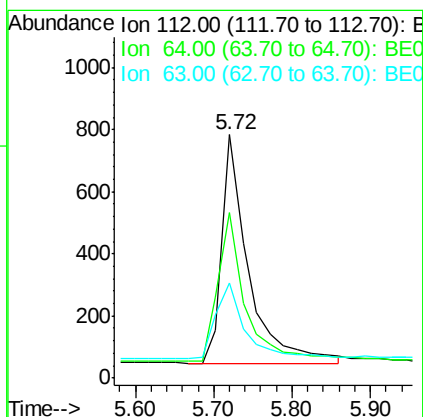
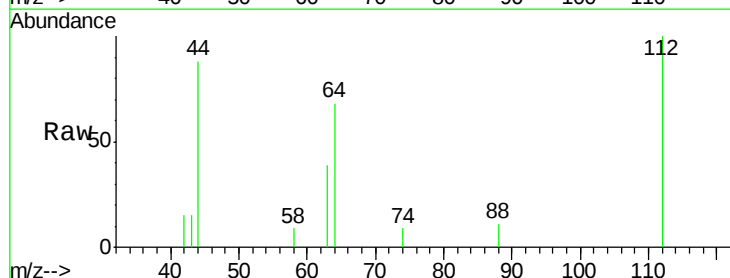
Tgt Ion: 42 Resp: 1149
 Ion Ratio Lower Upper
 42 100
 74 100.7 93.4 140.0
 44 6.9 5.0 7.6

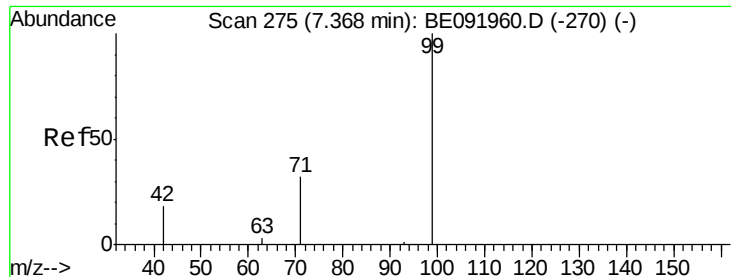


#4

2-Fluorophenol
 Concen: 0.35 ng
 RT: 5.72 min Scan# 181
 Delta R.T. -0.00 min
 Lab File: BE091996.D
 Acq: 9 Jul 2016 13:27

Tgt Ion: 112 Resp: 1736
 Ion Ratio Lower Upper
 112 100
 64 67.7 53.7 80.5
 63 35.6 29.5 44.3





#5

Phenol-d6

Concen: 0.34 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

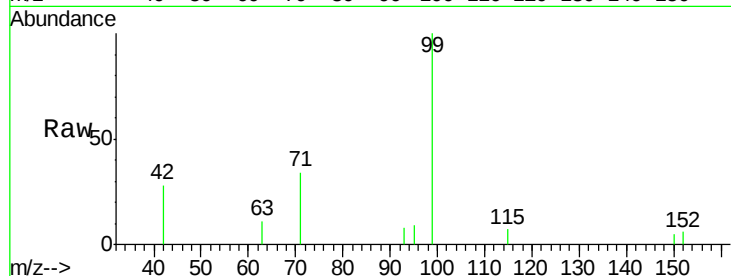
Tgt Ion: 99 Resp: 2319

Ion Ratio Lower Upper

99 100

42 26.1 19.6 29.4

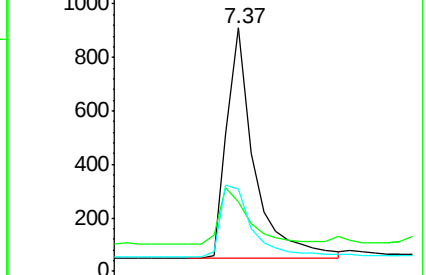
71 36.5 28.1 42.1



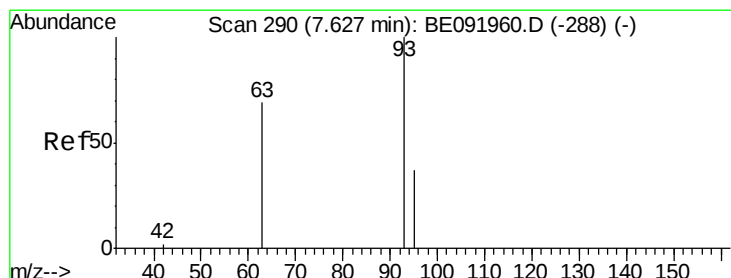
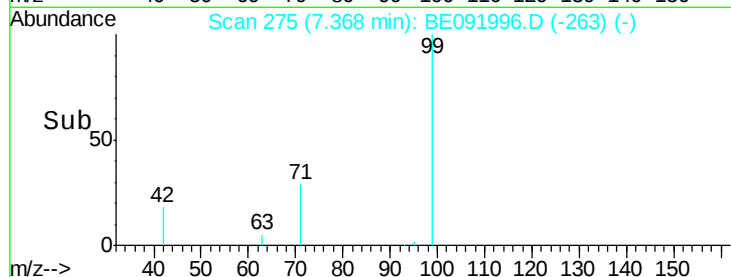
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time--> 7.20 7.30 7.40 7.50



#6

bis(2-Chloroethyl)ether

Concen: 0.38 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

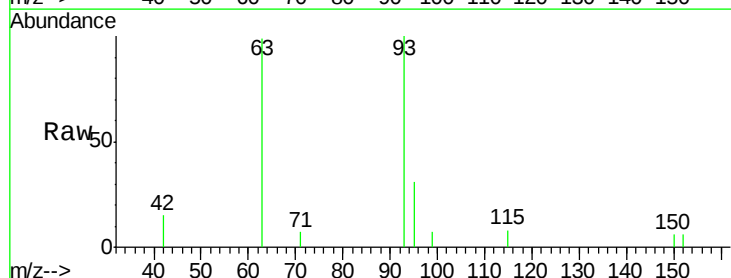
Tgt Ion: 93 Resp: 2271

Ion Ratio Lower Upper

93 100

63 80.8 66.2 99.4

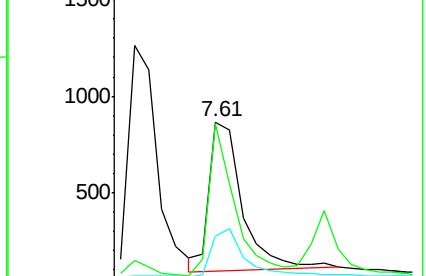
95 33.3 25.5 38.3



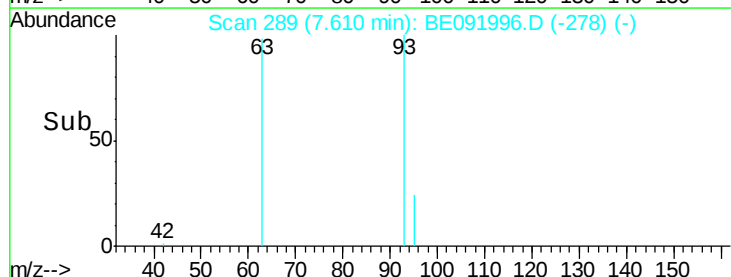
Abundance Ion 93.00 (92.70 to 93.70): BE0

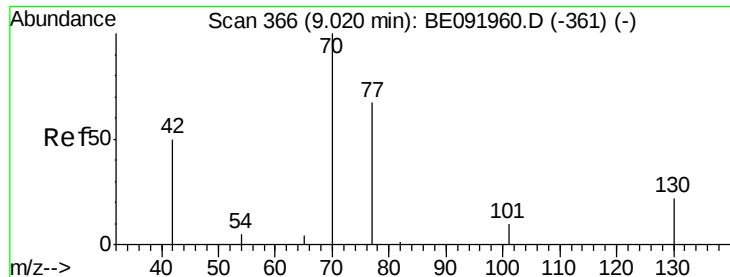
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time--> 7.50 7.60 7.70 7.80





#7

n-Nitroso-di-n-propylamine

Concen: 0.33 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 70 Resp: 1915

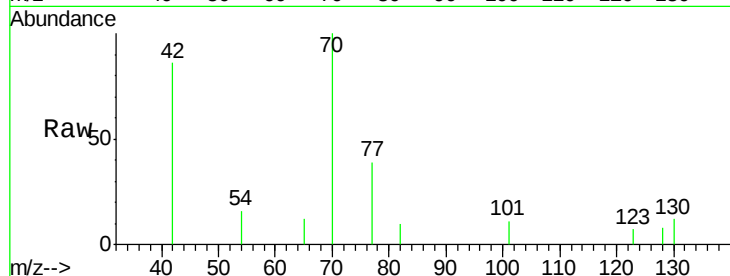
Ion Ratio Lower Upper

70 100

42 74.2 58.4 87.6

101 7.5 6.4 9.6

130 15.2 0.0 0.0#

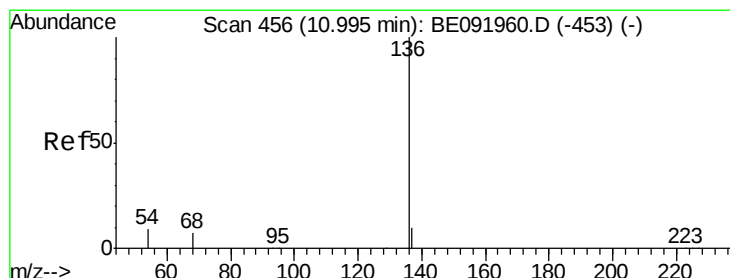
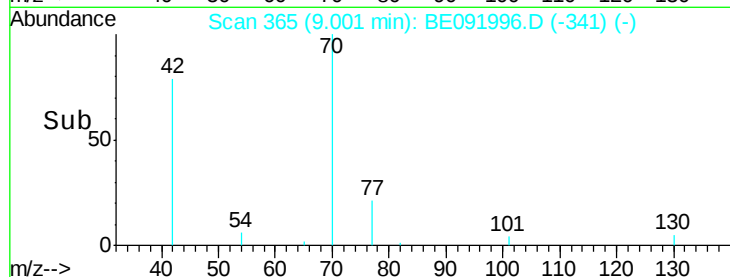
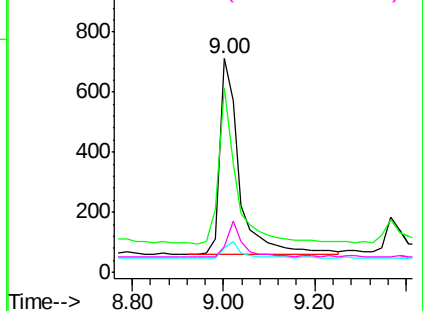


Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): 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: BE091996.D

Acq: 9 Jul 2016 13:27

Tgt Ion: 136 Resp: 97992

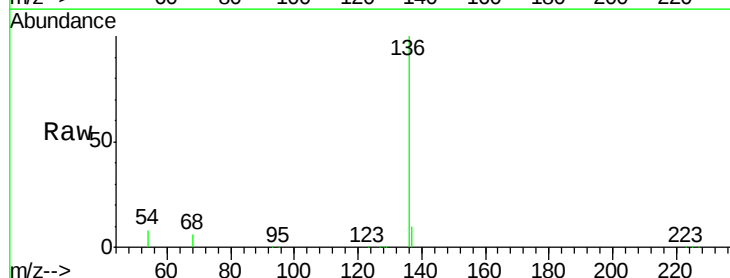
Ion Ratio Lower Upper

136 100

137 10.3 8.3 12.5

54 8.4 8.2 12.4

68 6.3 5.9 8.9

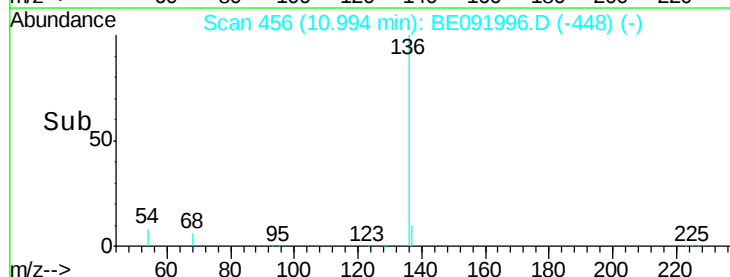
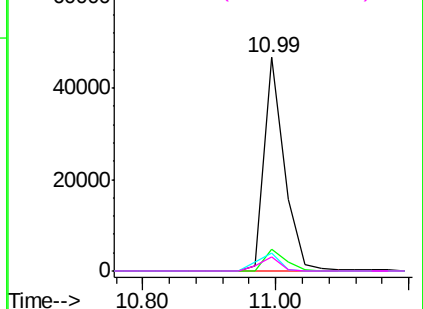


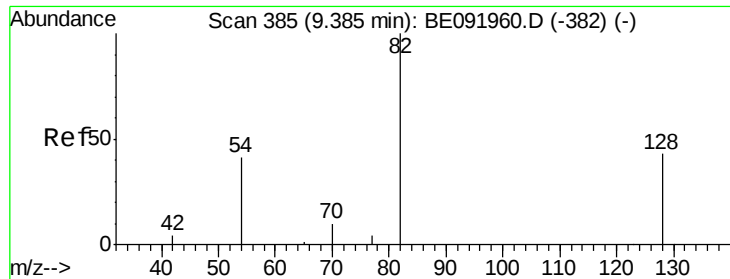
Abundance Ion 136.00 (135.70 to 136.70): BE0

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: 0.37 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

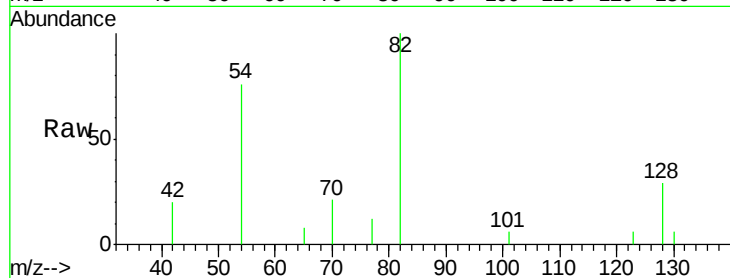
Tgt Ion: 82 Resp: 2437

Ion Ratio Lower Upper

82 100

128 28.6 39.5 59.3#

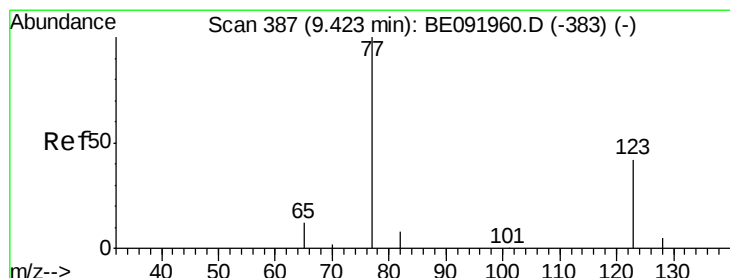
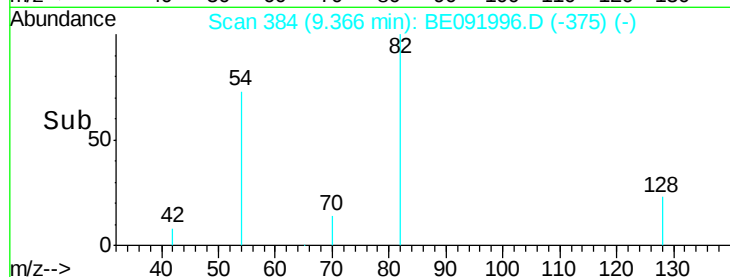
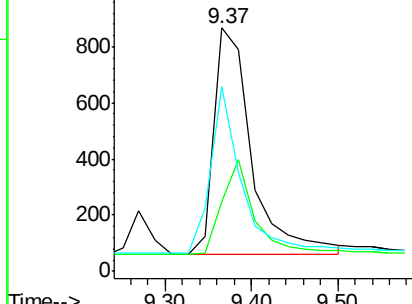
54 75.9 30.3 45.5#



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: 0.35 ng

RT: 9.42 min Scan# 387

Delta R.T. 0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

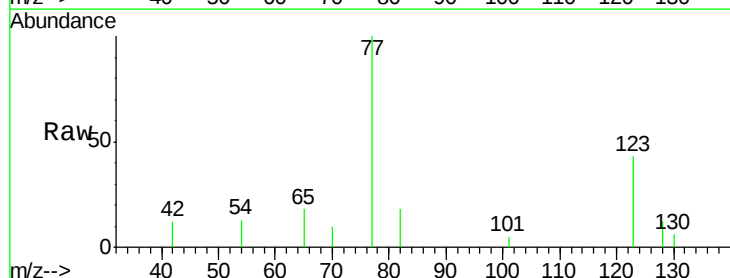
Tgt Ion: 77 Resp: 2545

Ion Ratio Lower Upper

77 100

123 36.9 0.0 0.0#

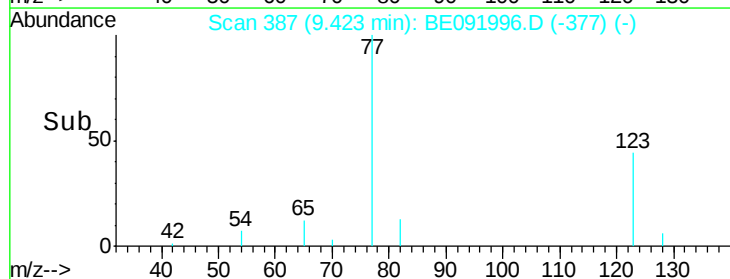
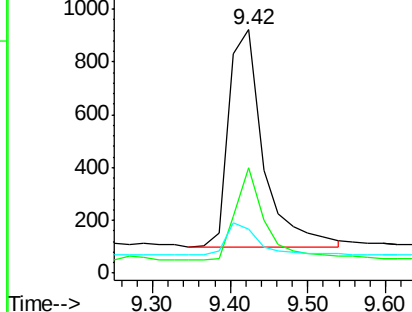
65 14.6 11.1 16.7

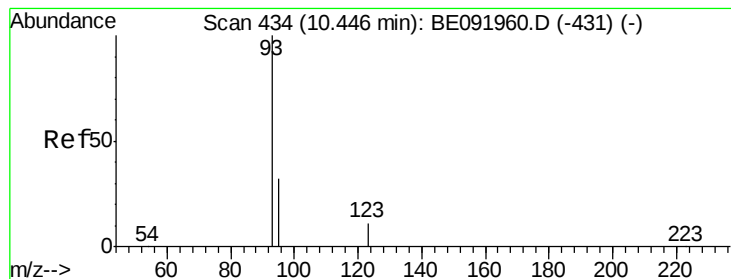


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.41 ng

RT: 10.44 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

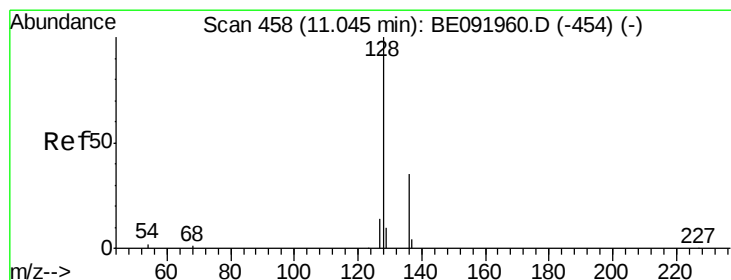
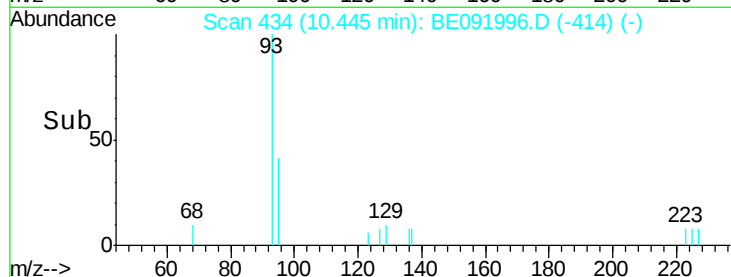
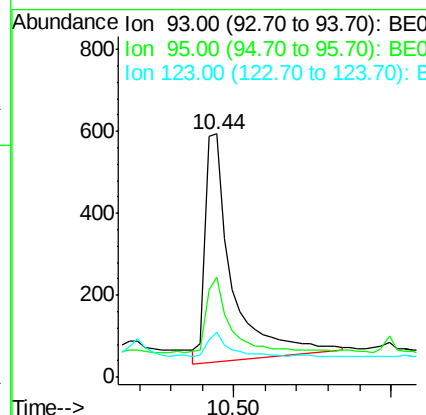
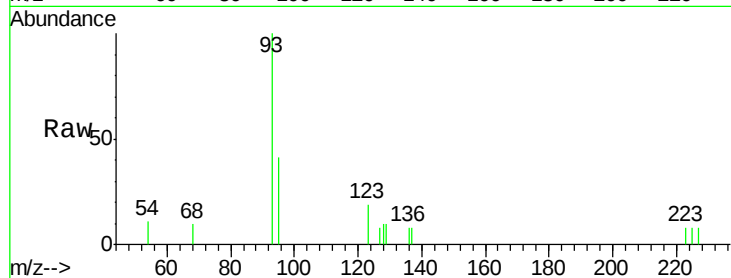
Tgt Ion: 93 Resp: 3359

Ion Ratio Lower Upper

93 100

95 29.0 57.6 86.4#

123 8.1 100.2 150.4#



#12

Naphthalene

Concen: 0.39 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

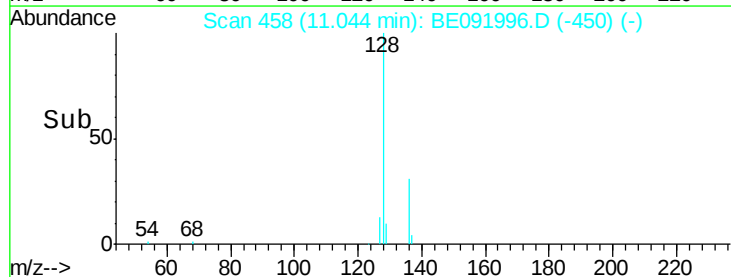
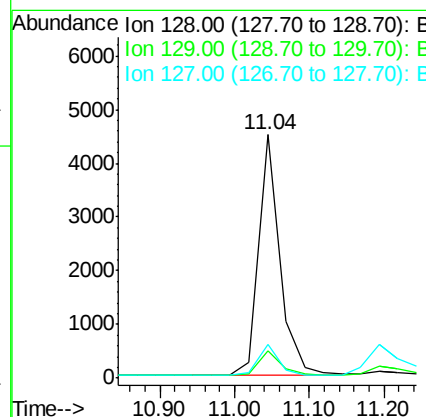
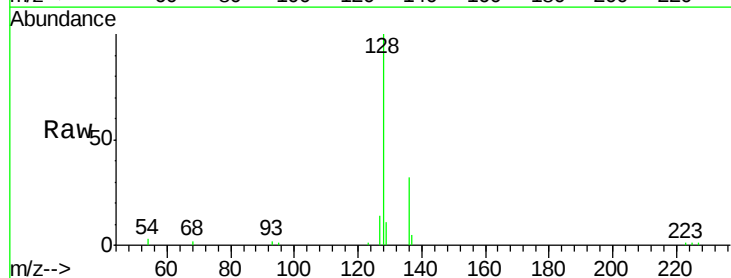
Tgt Ion: 128 Resp: 8859

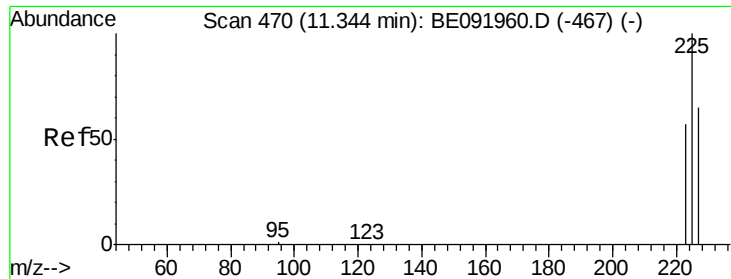
Ion Ratio Lower Upper

128 100

129 11.4 10.4 15.6

127 14.0 10.2 15.2

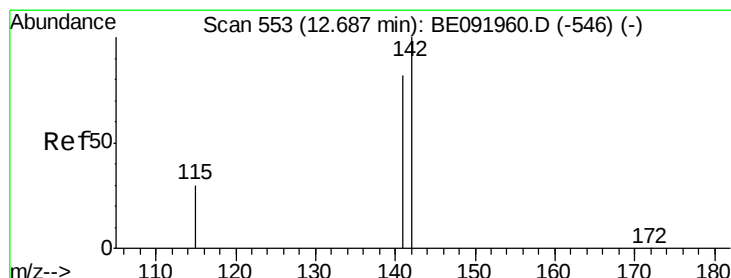
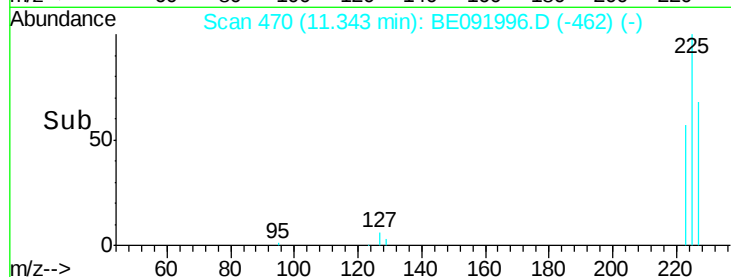
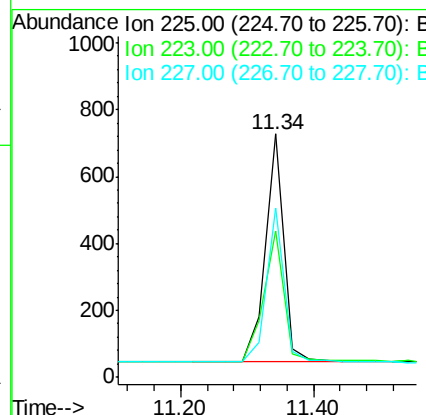
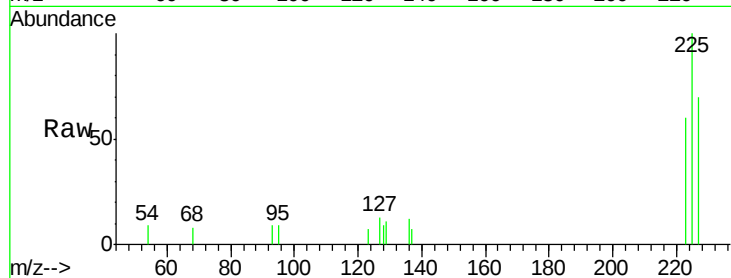




#13
Hexachlorobutadiene
Concen: 0.37 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091996.D
Acq: 9 Jul 2016 13:27

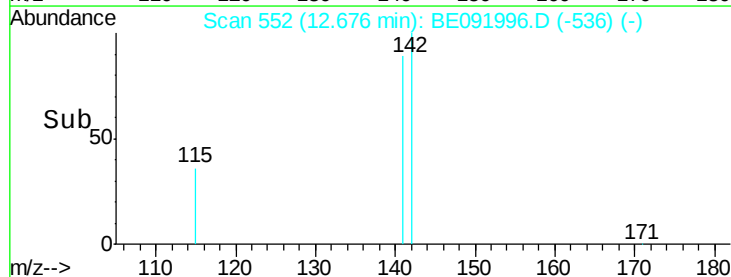
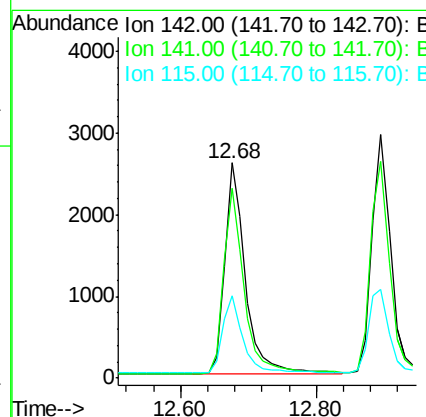
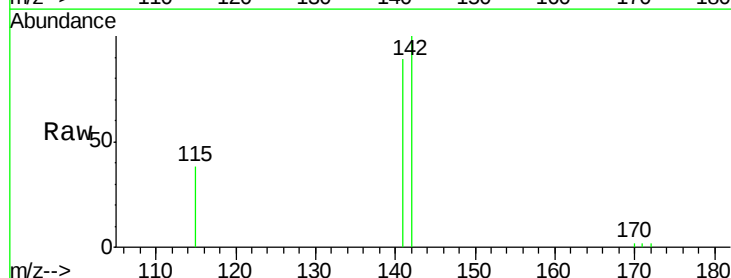
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

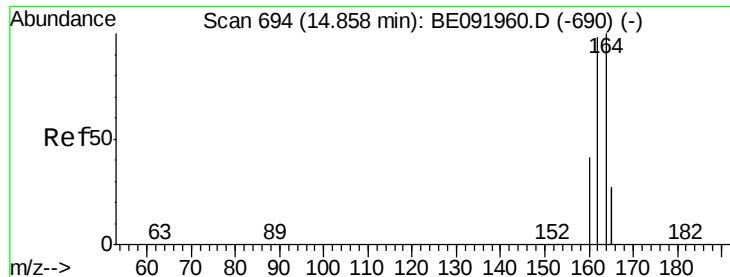
Tgt Ion: 225 Resp: 1294
Ion Ratio Lower Upper
225 100
223 63.4 49.8 74.8
227 65.2 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.68 min Scan# 552
Delta R.T. -0.01 min
Lab File: BE091996.D
Acq: 9 Jul 2016 13:27

Tgt Ion: 142 Resp: 5513
Ion Ratio Lower Upper
142 100
141 88.5 71.9 107.9
115 38.0 29.9 44.9

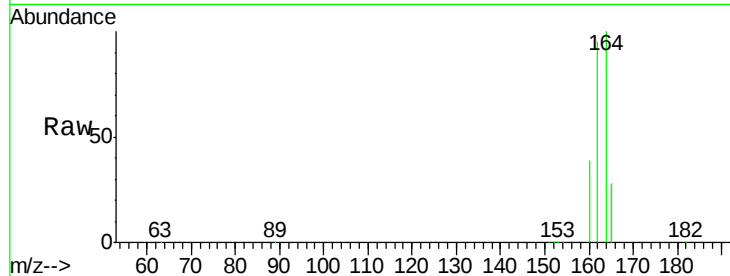




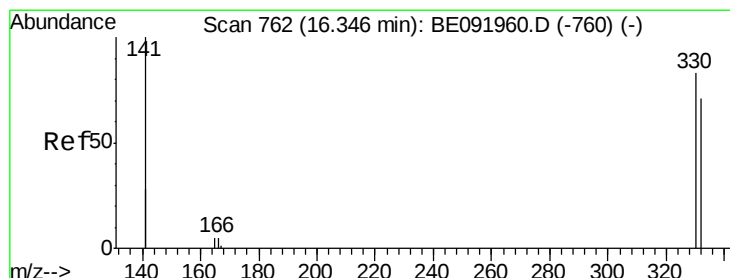
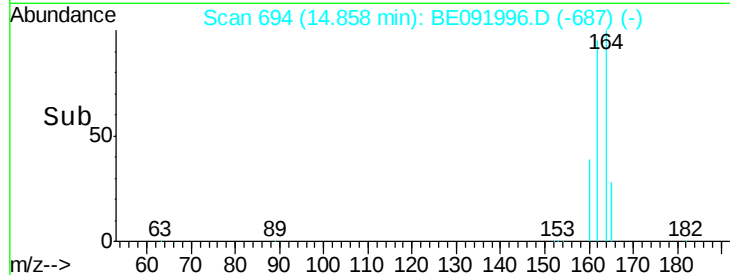
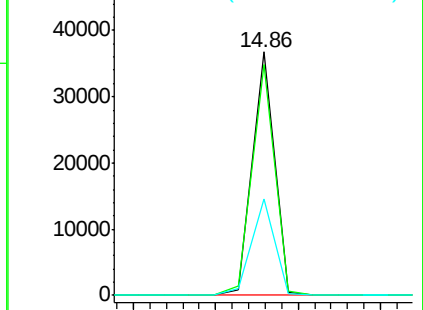
#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE091996.D
Acq: 9 Jul 2016 13:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 69050
Ion Ratio Lower Upper
164 100
162 94.7 71.8 107.8
160 39.5 28.0 42.0

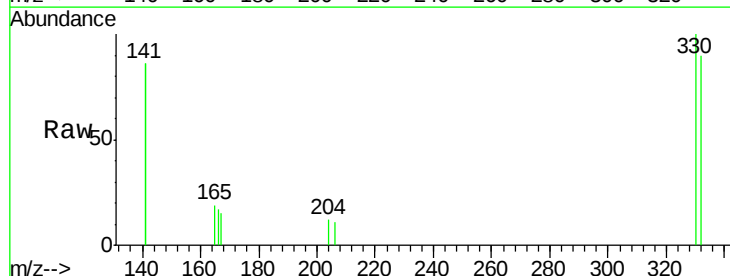


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

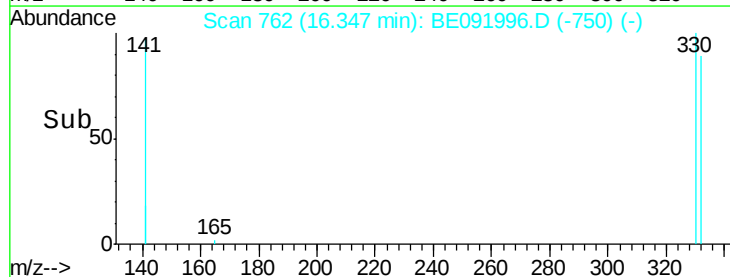
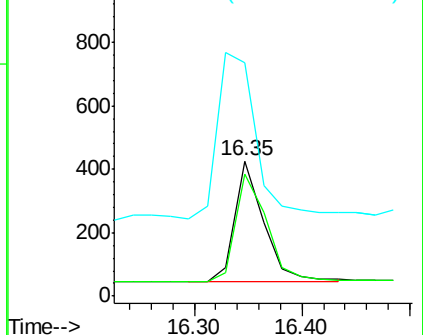


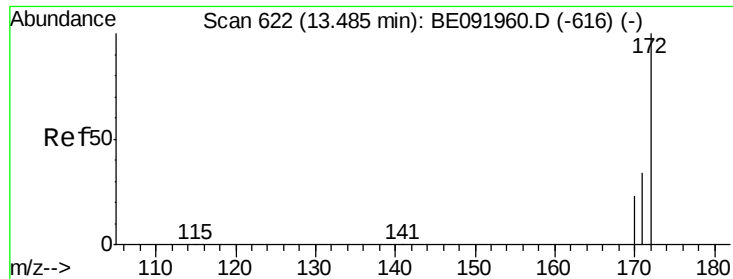
#16
2,4,6-Tribromophenol
Concen: 0.43 ng
RT: 16.35 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE091996.D
Acq: 9 Jul 2016 13:27

Tgt Ion:330 Resp: 716
Ion Ratio Lower Upper
330 100
332 95.4 77.0 115.6
141 183.4 138.4 207.6



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

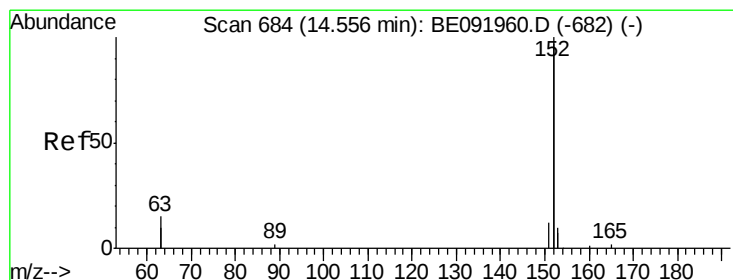
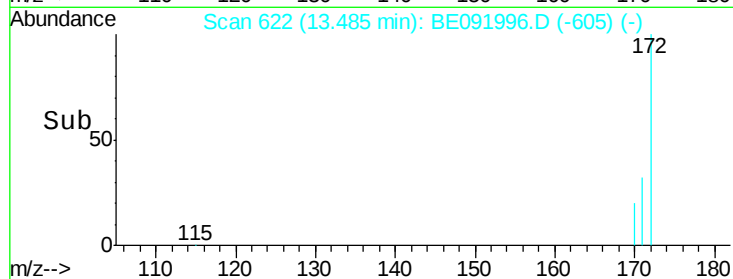
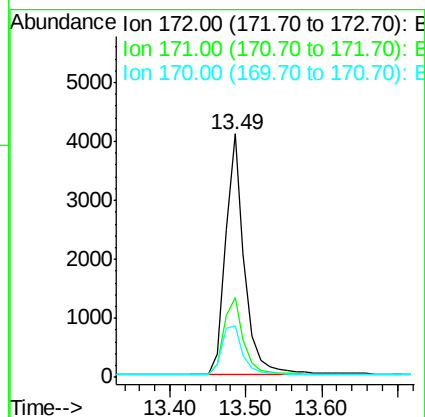
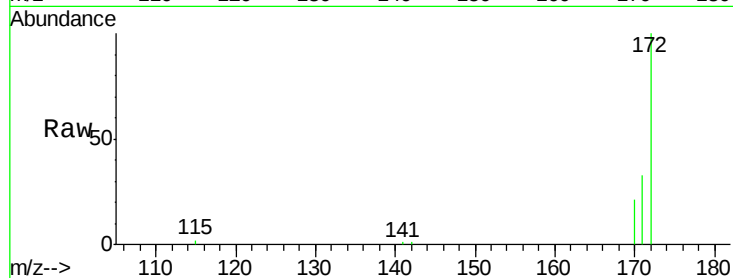




#17
2-Fluorobiphenyl
Concen: 0.43 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091996.D
Acq: 9 Jul 2016 13:27

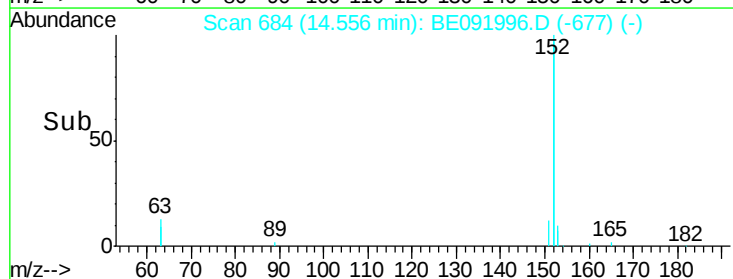
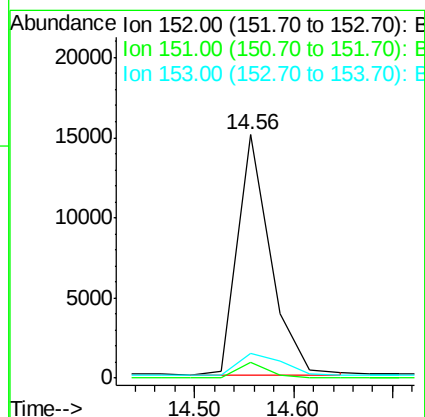
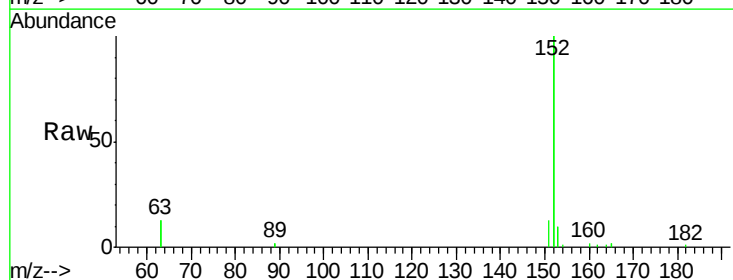
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

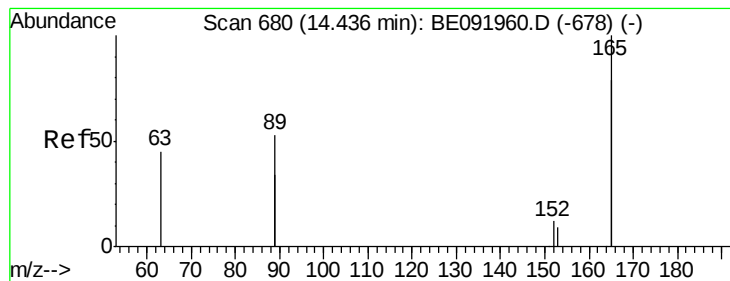
Tgt Ion:172 Resp: 7167
Ion Ratio Lower Upper
172 100
171 32.8 24.3 36.5
170 21.1 14.9 22.3



#18
Acenaphthylene
Concen: 0.40 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE091996.D
Acq: 9 Jul 2016 13:27

Tgt Ion:152 Resp: 35080
Ion Ratio Lower Upper
152 100
151 5.5 19.4 29.2#
153 11.5 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.39 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

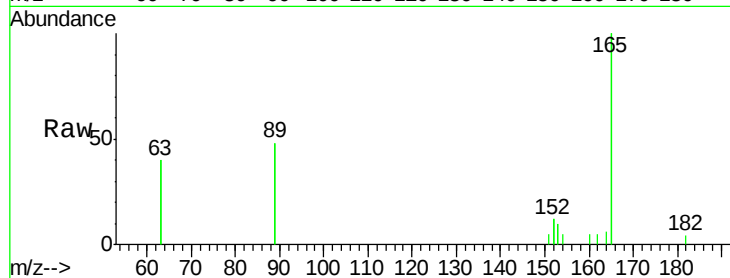
Tgt Ion:165 Resp: 5406

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

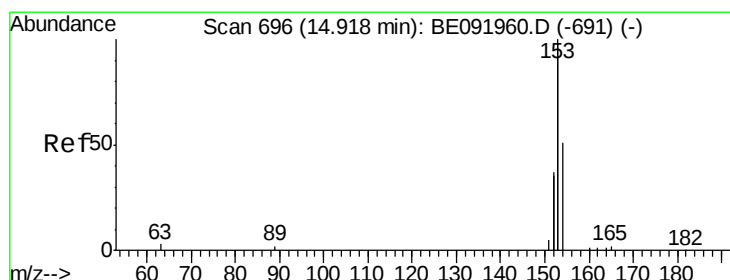
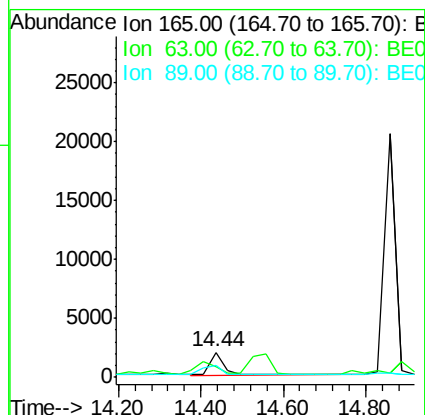
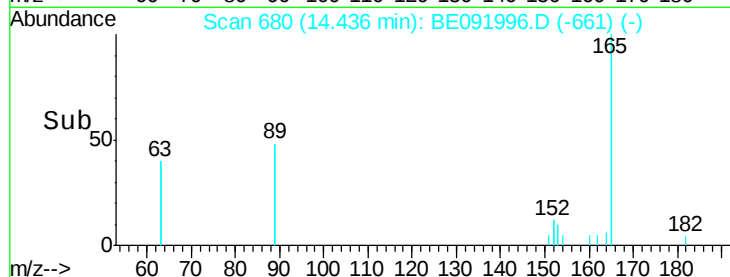
89 49.1 59.1 88.7#



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



#20

Acenaphthene

Concen: 0.38 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

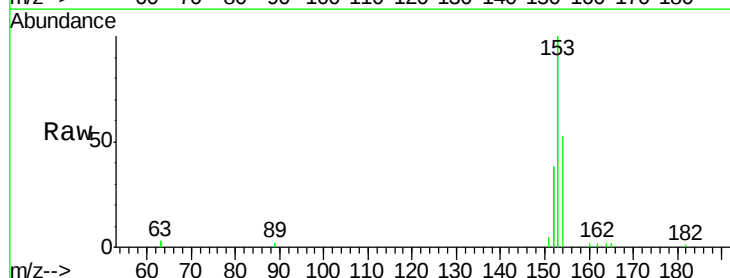
Tgt Ion:154 Resp: 7176

Ion Ratio Lower Upper

154 100

153 389.4 88.1 132.1#

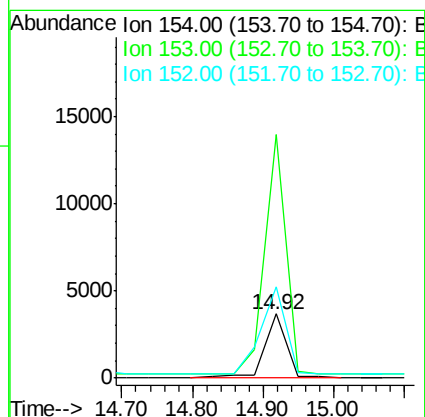
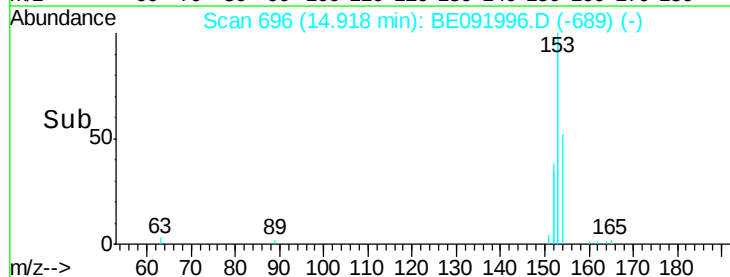
152 169.0 44.2 66.2#

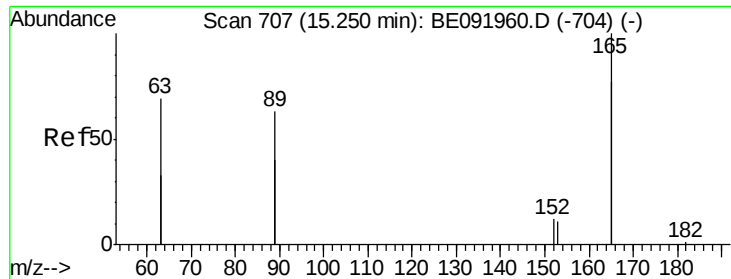


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

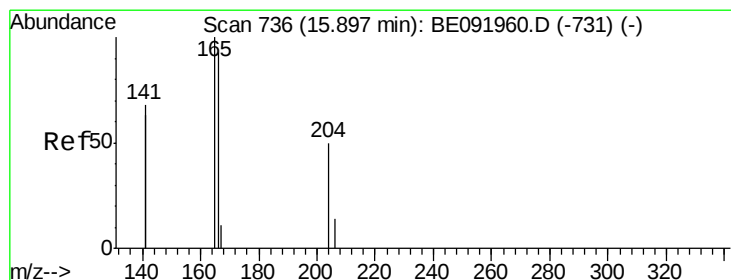
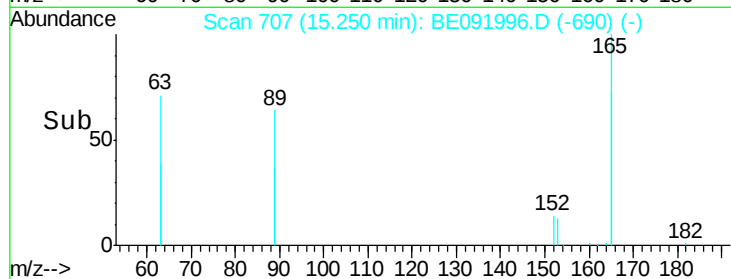
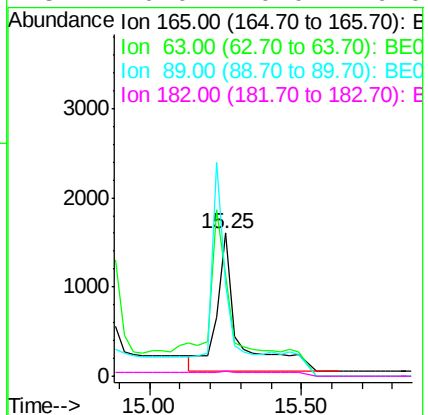
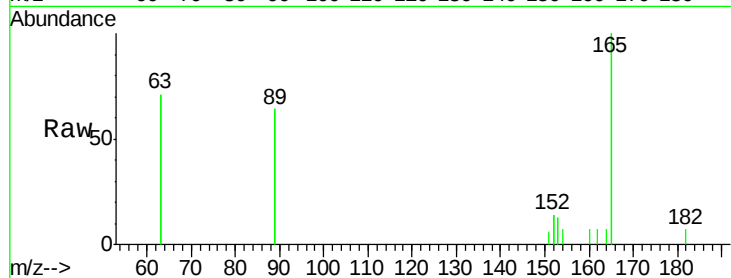




#21
2,4-Dinitrotoluene
Concen: 0.54 ng
RT: 15.25 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091996.D
Acq: 9 Jul 2016 13:27

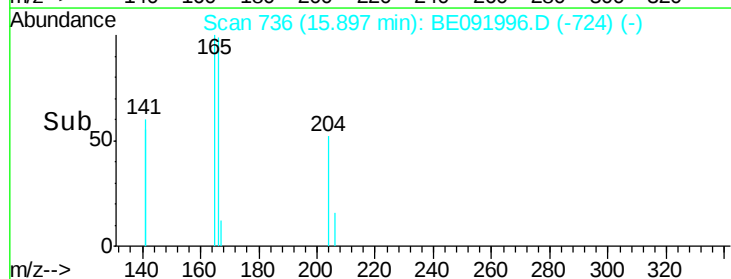
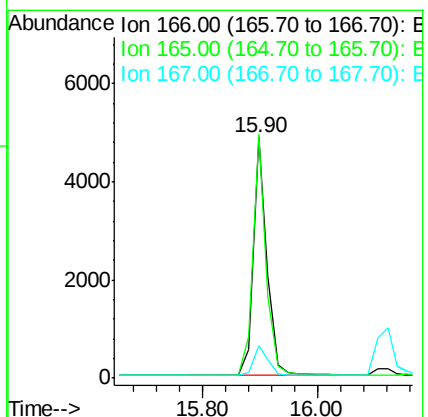
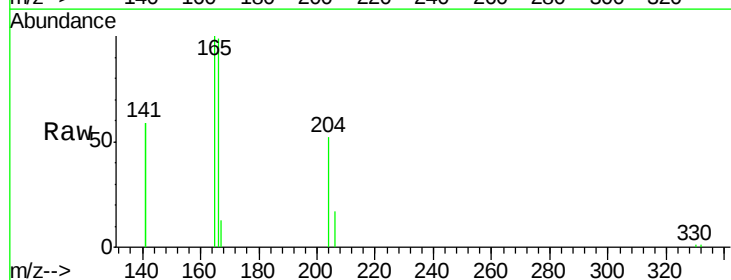
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

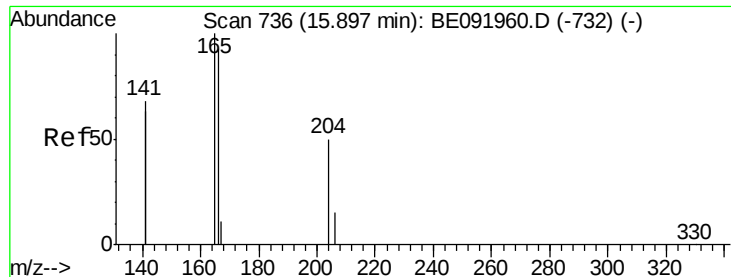
Tgt Ion:165 Resp: 7374
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 0.0 0.0 0.0



#22
Fluorene
Concen: 0.41 ng
RT: 15.90 min Scan# 736
Delta R.T. 0.00 min
Lab File: BE091996.D
Acq: 9 Jul 2016 13:27

Tgt Ion:166 Resp: 8117
Ion Ratio Lower Upper
166 100
165 98.0 78.6 117.8
167 13.3 10.8 16.2

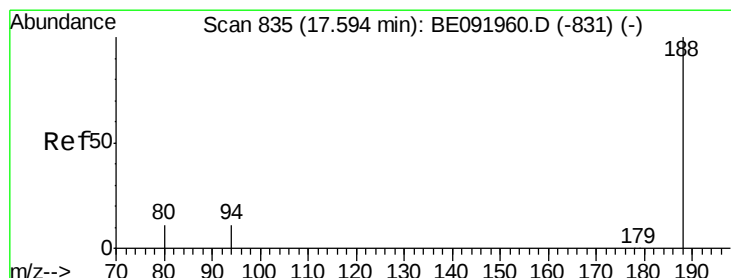
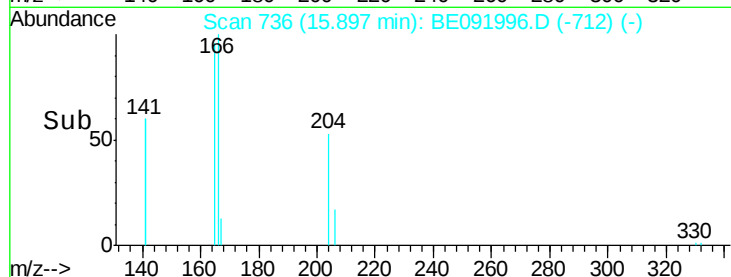
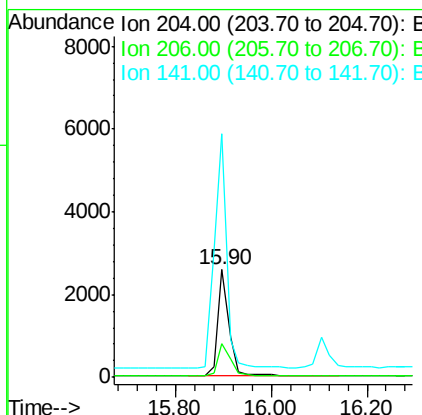
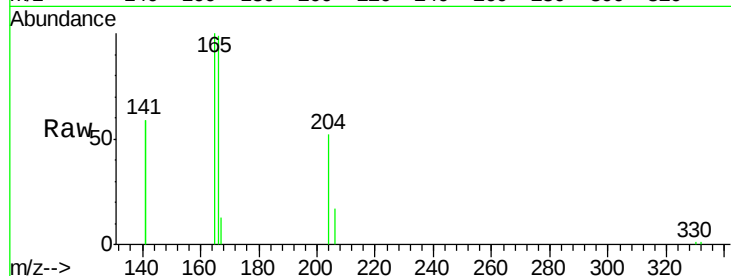




#23
 4-Chlorophenyl-phenylether
 Concen: 0.41 ng
 RT: 15.90 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BE091996.D
 Acq: 9 Jul 2016 13:27

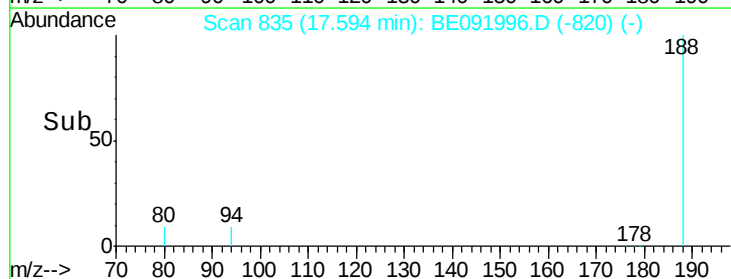
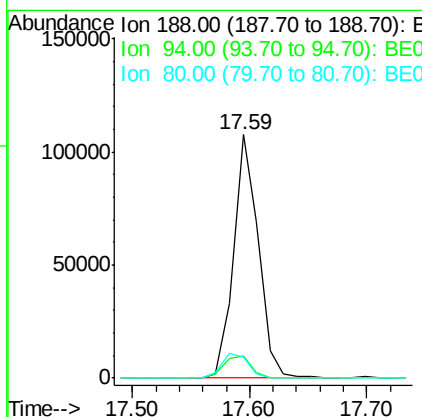
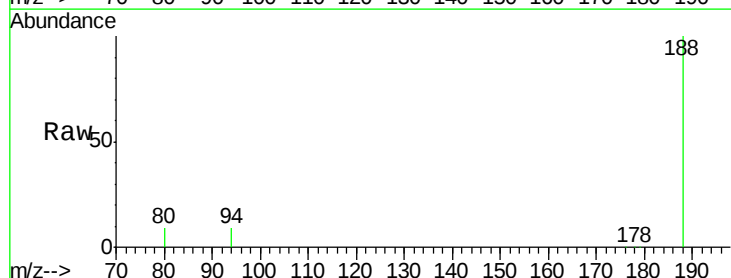
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

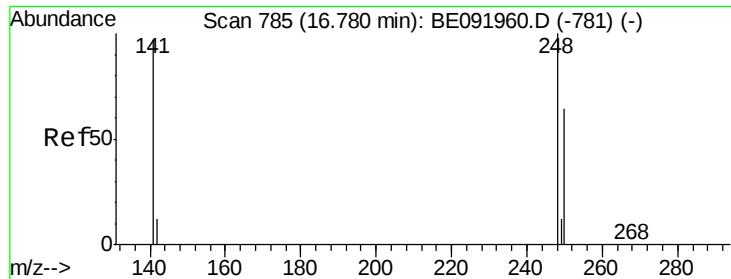
Tgt Ion: 204 Resp: 4067
 Ion Ratio Lower Upper
 204 100
 206 33.0 27.8 41.6
 141 246.6 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BE091996.D
 Acq: 9 Jul 2016 13:27

Tgt Ion: 188 Resp: 157949
 Ion Ratio Lower Upper
 188 100
 94 9.0 4.1 6.1#
 80 8.6 3.4 5.2#

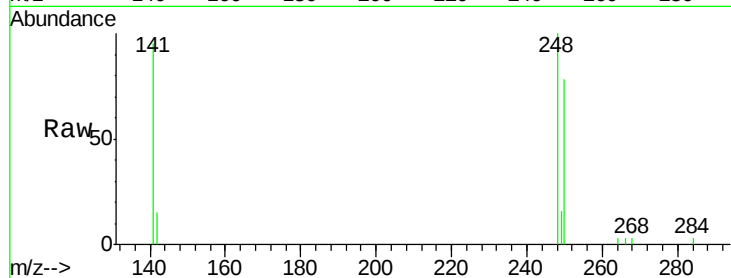




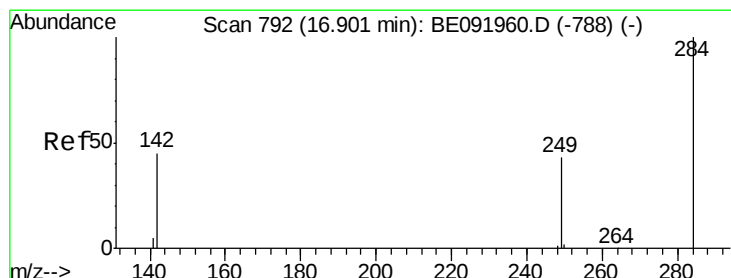
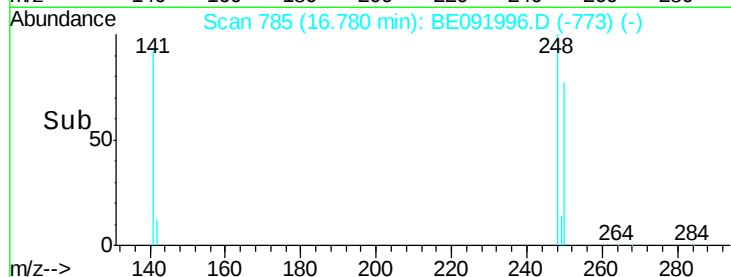
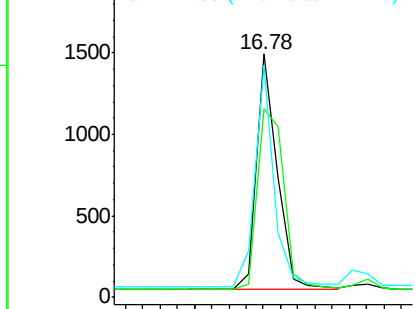
#25
4-Bromophenyl-phenylether
Concen: 0.36 ng
RT: 16.78 min Scan# 785
Delta R.T. 0.00 min
Lab File: BE091996.D
Acq: 9 Jul 2016 13:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 2442
Ion Ratio Lower Upper
248 100
250 98.0 75.7 113.5
141 84.4 64.6 97.0

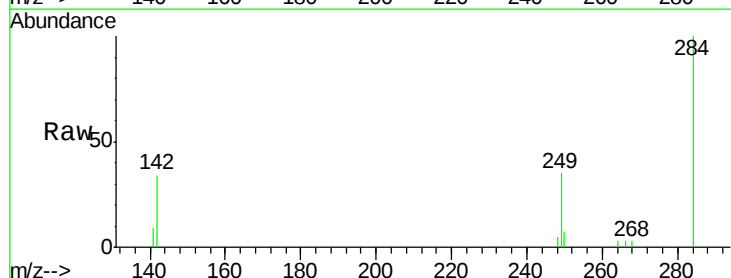


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

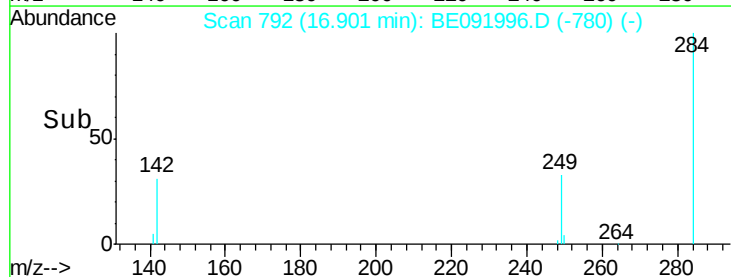
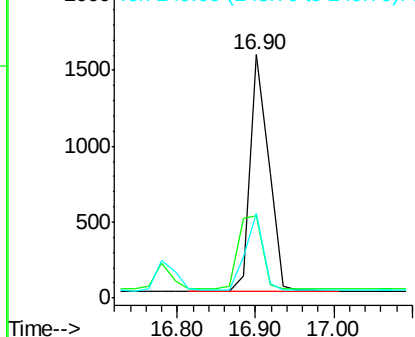


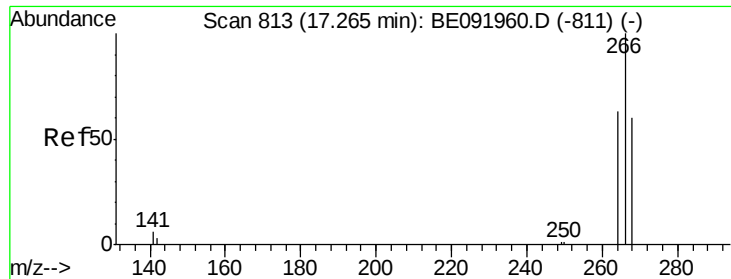
#26
Hexachlorobenzene
Concen: 0.38 ng
RT: 16.90 min Scan# 792
Delta R.T. 0.00 min
Lab File: BE091996.D
Acq: 9 Jul 2016 13:27

Tgt Ion:284 Resp: 2571
Ion Ratio Lower Upper
284 100
142 40.5 31.4 47.2
249 32.2 25.3 37.9



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





#27

Pentachlorophenol

Concen: 0.36 ng

RT: 17.26 min Scan# 813

Delta R.T. 0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

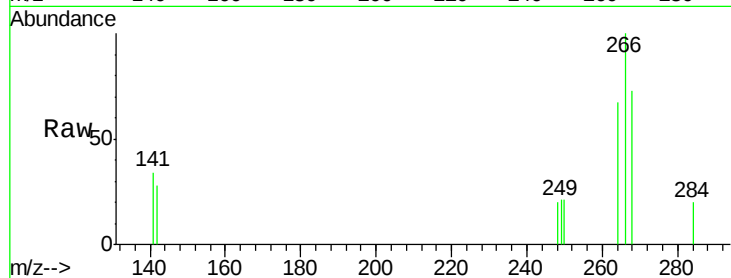
Tgt Ion:266 Resp: 588

Ion Ratio Lower Upper

266 100

268 73.4 60.5 90.7

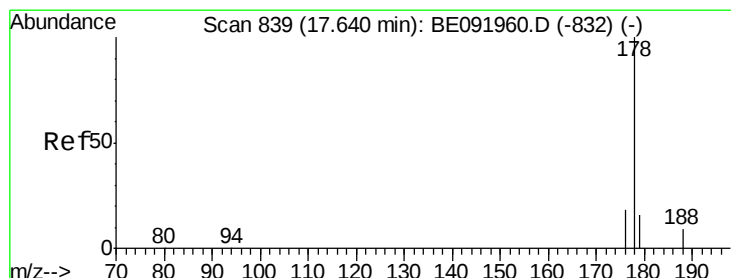
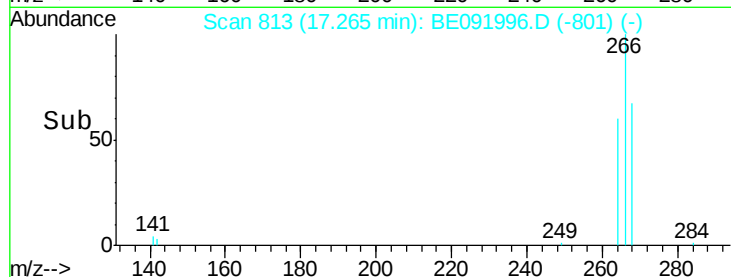
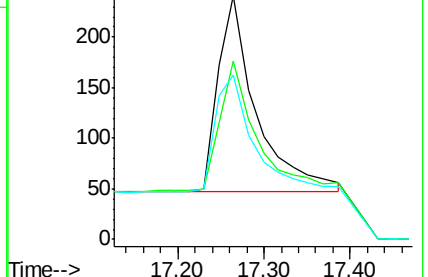
264 67.2 51.0 76.4



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: 0.38 ng

RT: 17.64 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

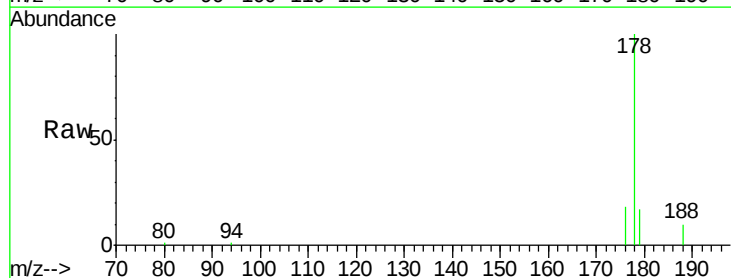
Tgt Ion:178 Resp: 15823

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

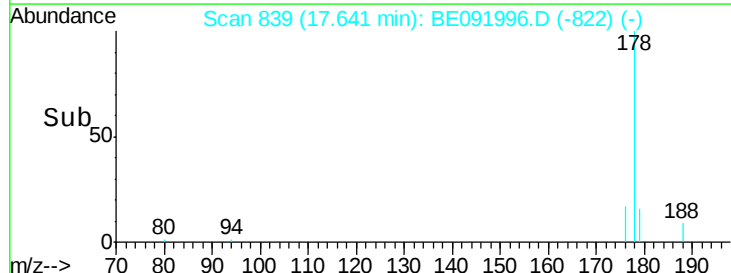
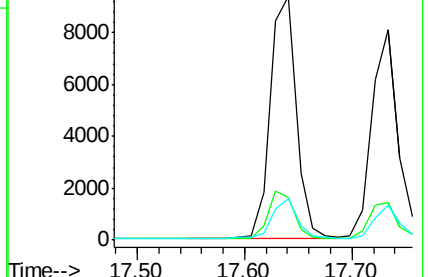
179 16.0 12.9 19.3

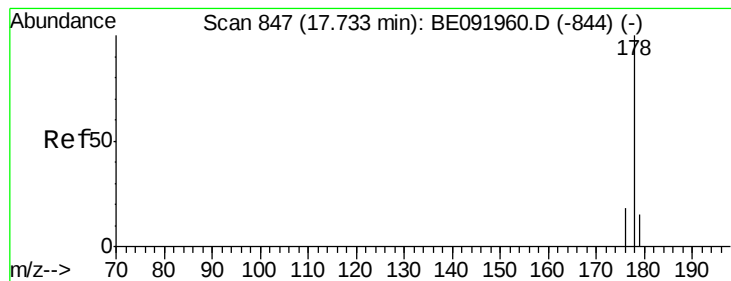


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.36 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

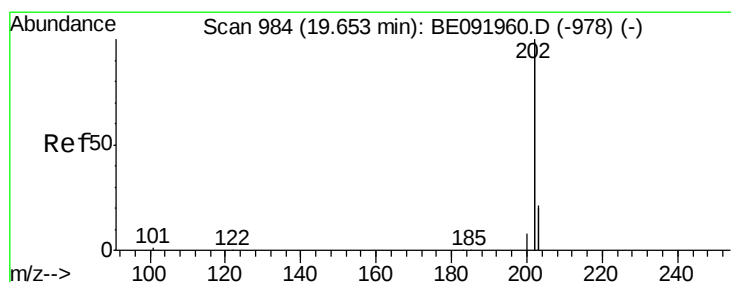
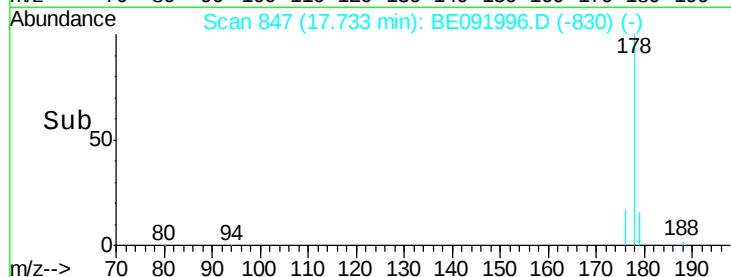
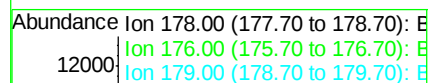
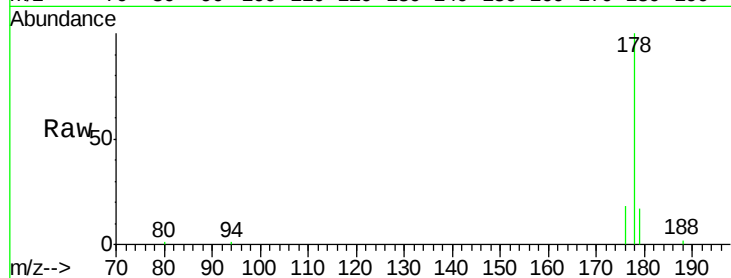
Tgt Ion:178 Resp: 14004

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 15.3 12.1 18.1



#30

Fluoranthene

Concen: 0.37 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

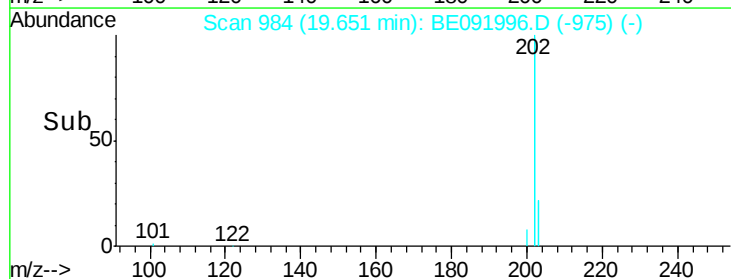
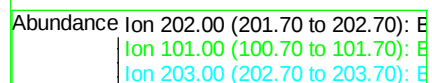
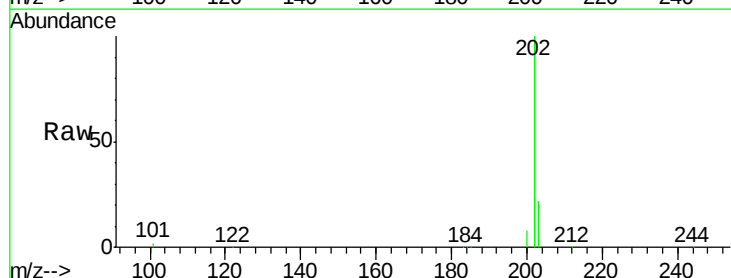
Tgt Ion:202 Resp: 65823

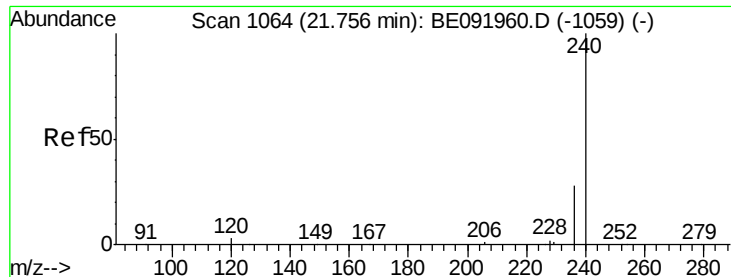
Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

203 19.2 14.3 21.5





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

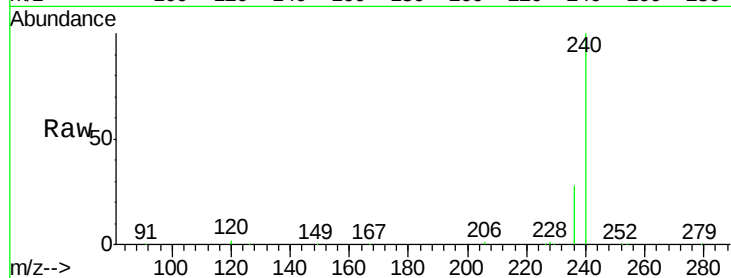
Tgt Ion:240 Resp: 292330

Ion Ratio Lower Upper

240 100

120 1.7 1.2 1.8

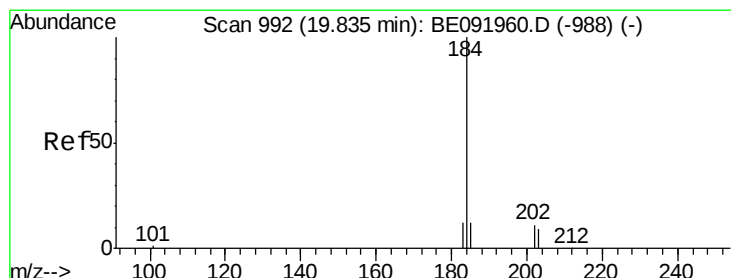
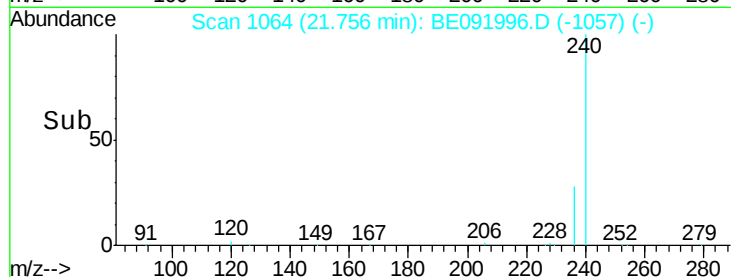
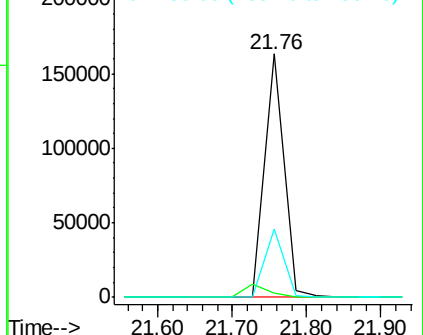
236 27.8 19.8 29.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#32

Benzidine

Concen: 0.36 ng

RT: 19.83 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

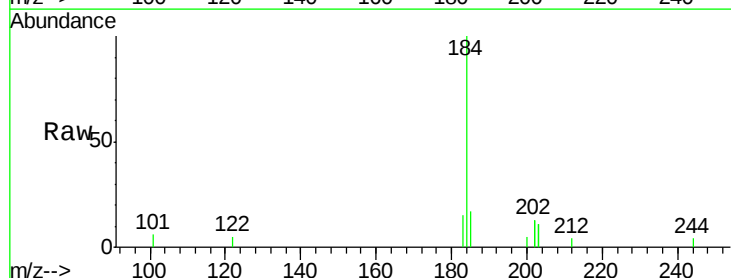
Tgt Ion:184 Resp: 3472

Ion Ratio Lower Upper

184 100

185 17.2 11.4 17.2#

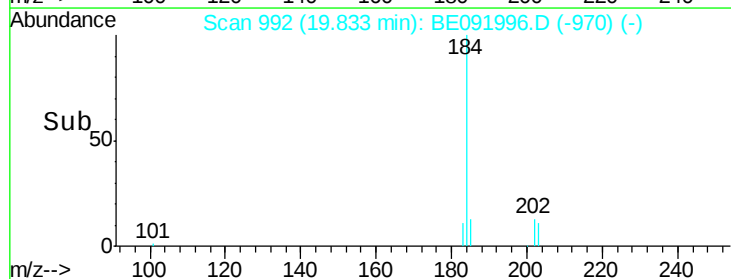
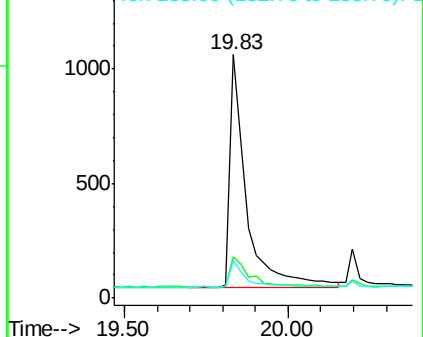
183 15.2 11.8 17.6

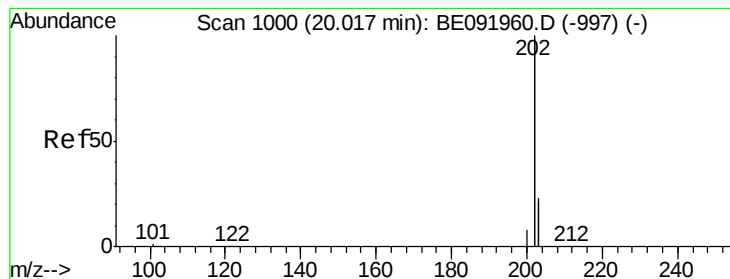


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.33 ng

RT: 20.02 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

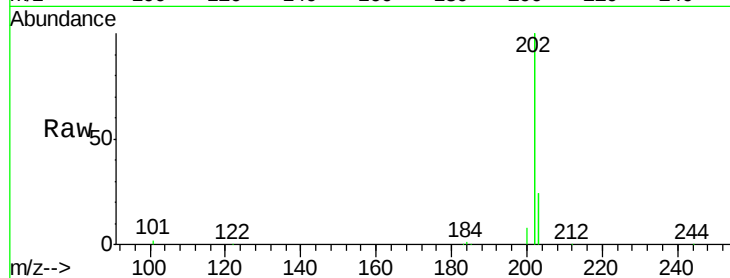
Tgt Ion: 202 Resp: 69455

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

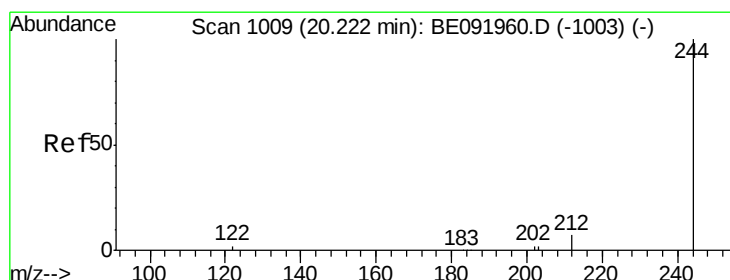
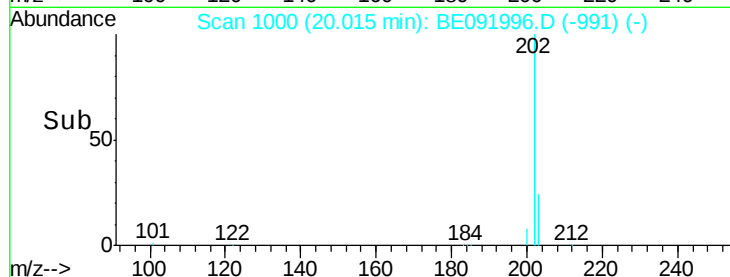
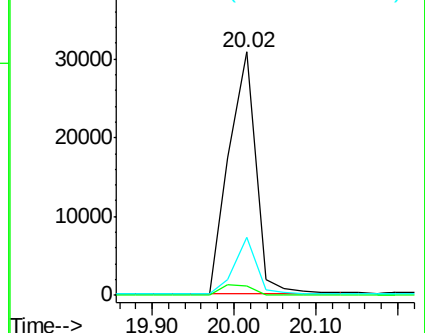
203 18.9 14.1 21.1



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: 0.36 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

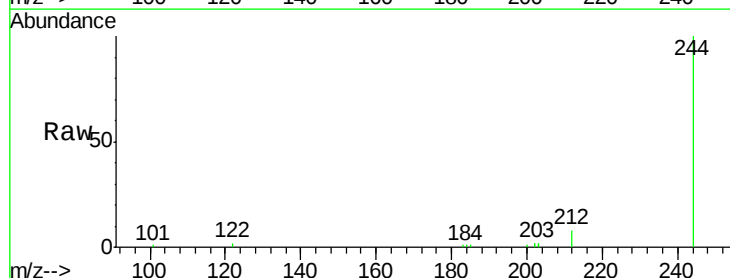
Tgt Ion: 244 Resp: 12333

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

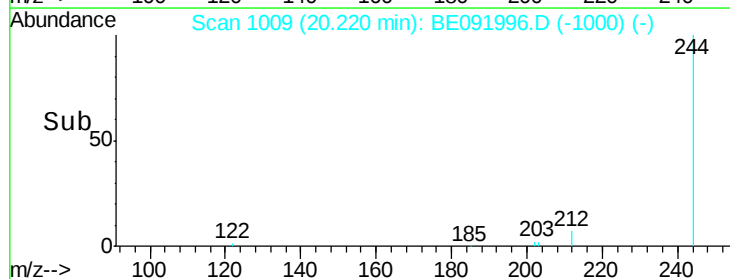
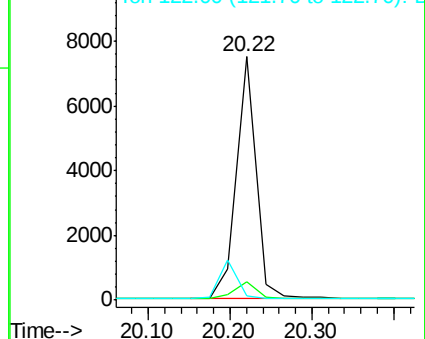
122 1.9 2.9 4.3#

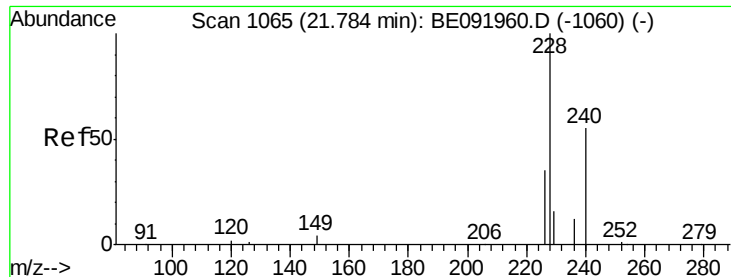


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.98 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

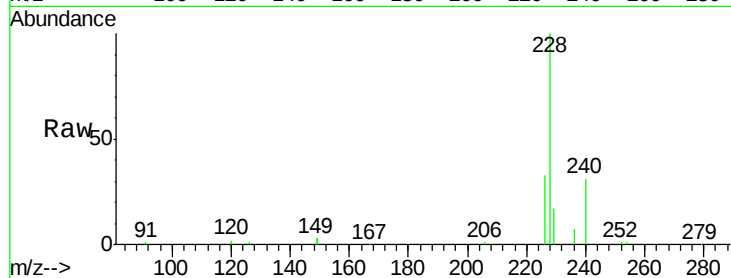
Tgt Ion:228 Resp: 48213

Ion Ratio Lower Upper

228 100

226 32.8 21.0 31.4#

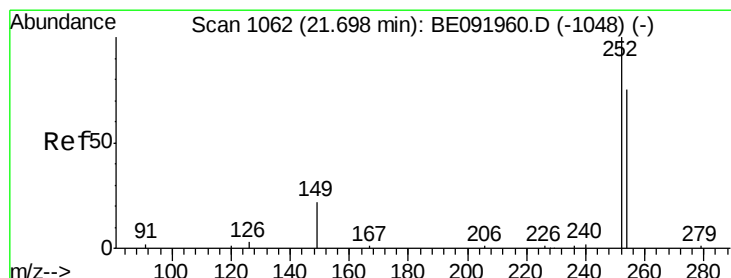
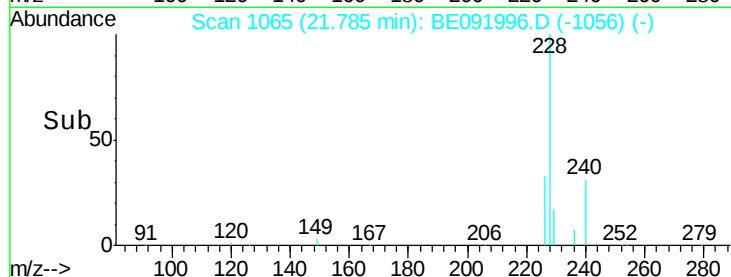
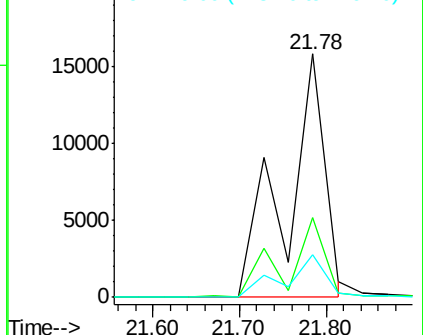
229 17.4 15.8 23.8



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: 0.21 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

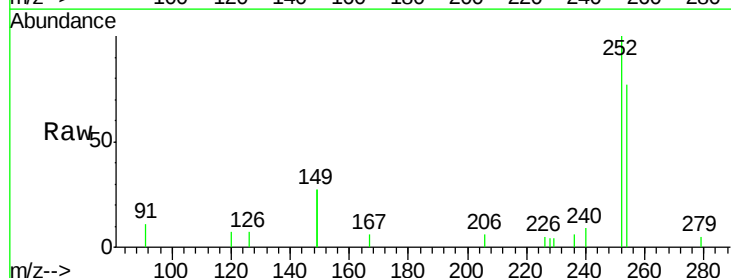
Tgt Ion:252 Resp: 3526

Ion Ratio Lower Upper

252 100

254 77.2 61.5 92.3

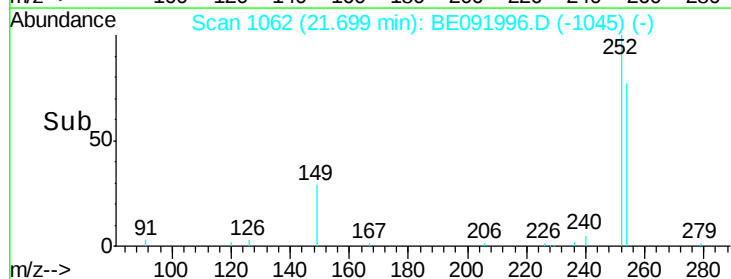
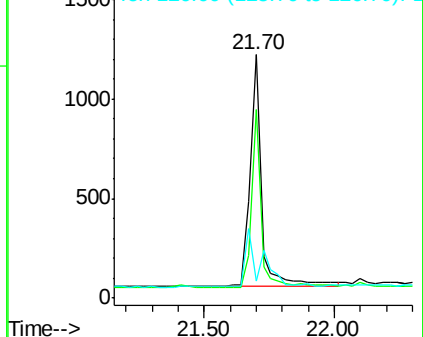
126 7.2 2.5 3.7#

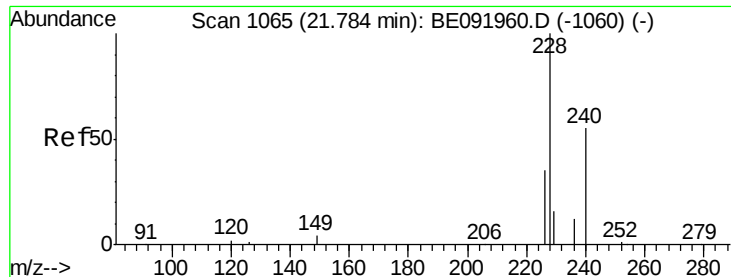


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.70 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

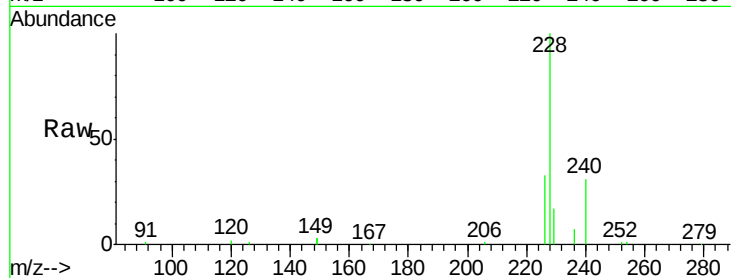
Tgt Ion:228 Resp: 48776

Ion Ratio Lower Upper

228 100

226 32.8 27.0 40.6

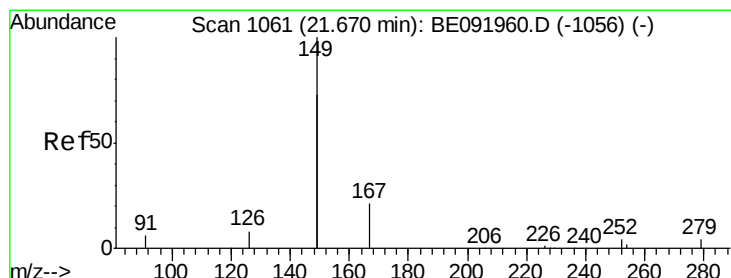
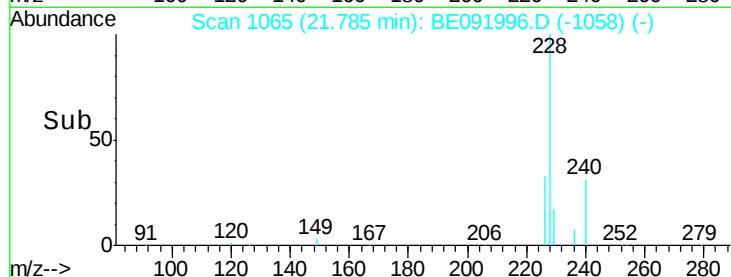
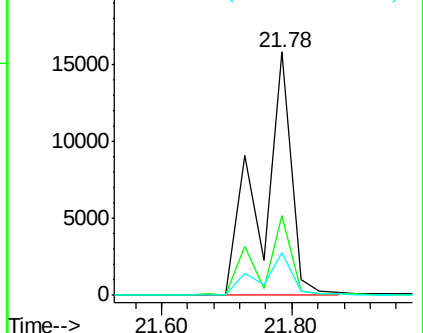
229 17.4 13.8 20.8



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



#38

Bis(2-ethylhexyl)phthalate

Concen: 0.25 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

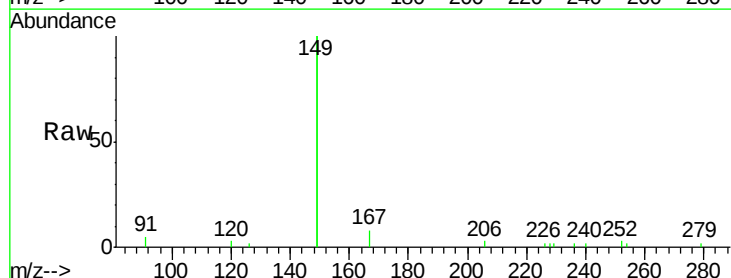
Tgt Ion:149 Resp: 14401

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

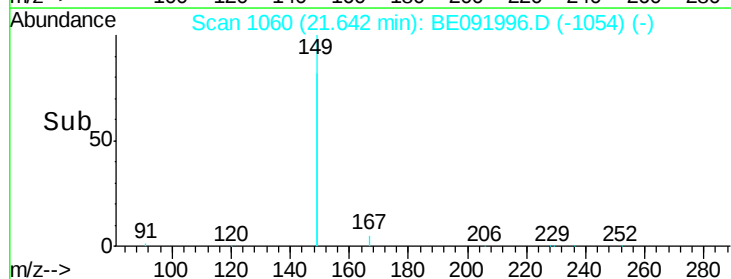
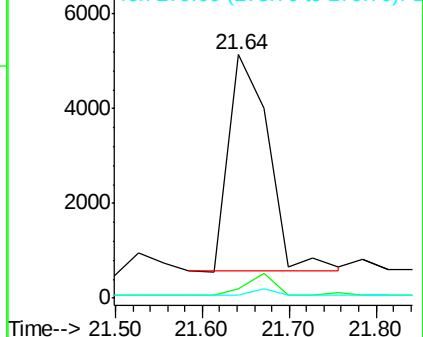
279 0.0 0.0 0.0

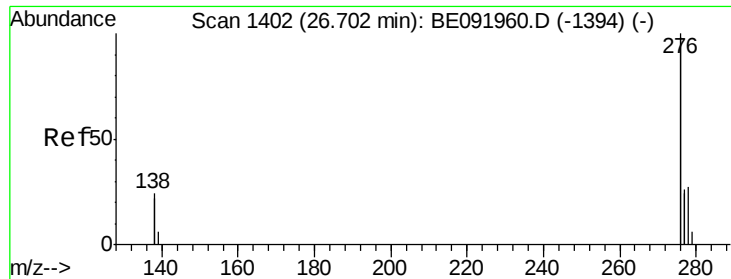


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

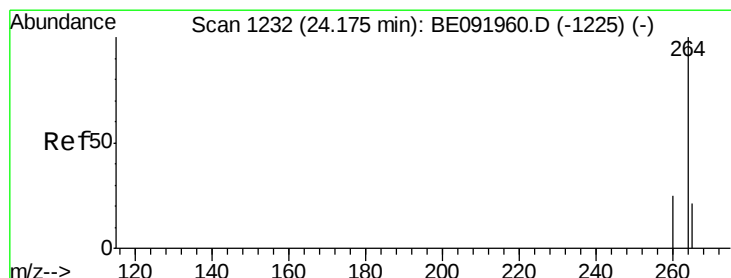
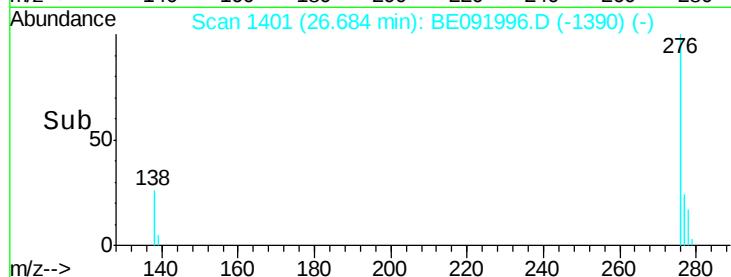
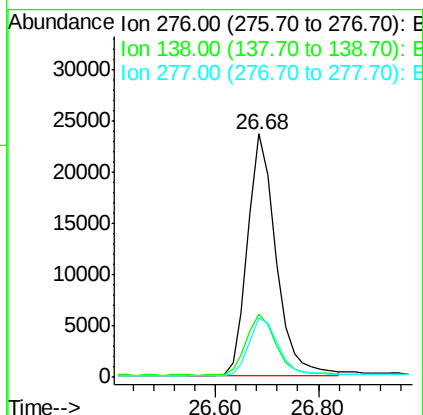
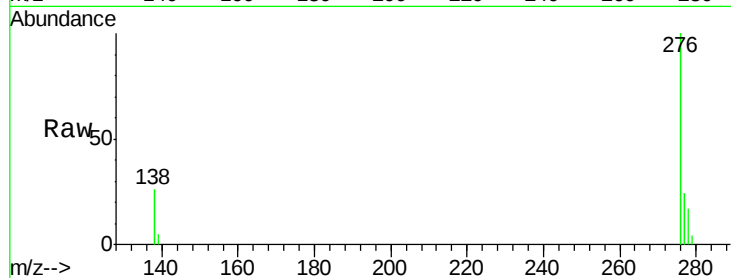




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.33 ng
 RT: 26.68 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BE091996.D
 Acq: 9 Jul 2016 13:27

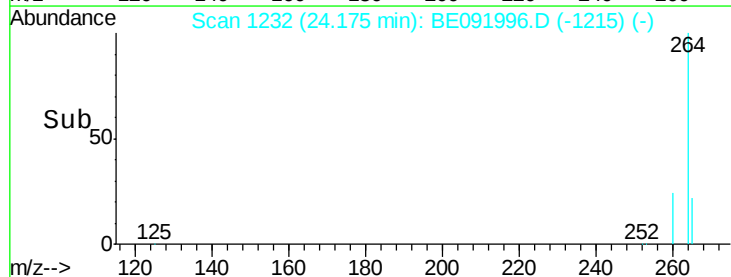
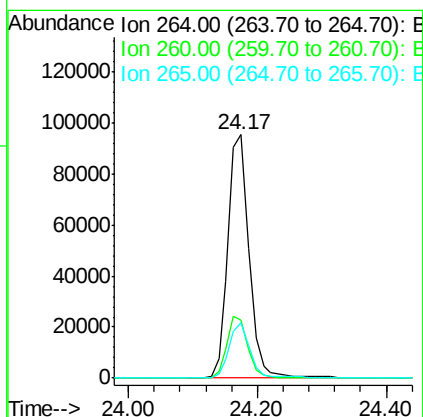
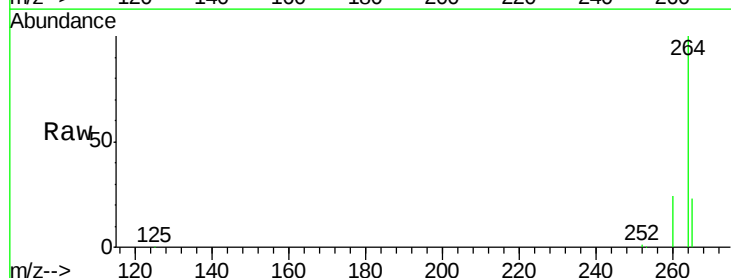
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

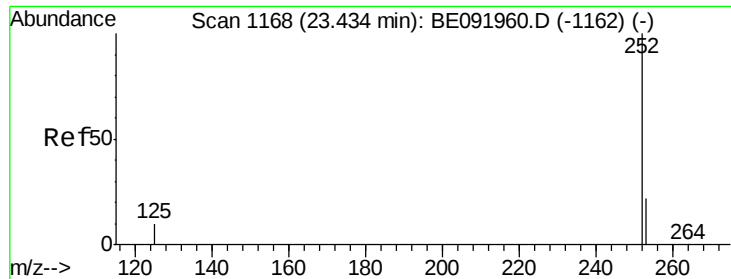
Tgt Ion: 276 Resp: 89628
 Ion Ratio Lower Upper
 276 100
 138 26.5 19.7 29.5
 277 24.7 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091996.D
 Acq: 9 Jul 2016 13:27

Tgt Ion: 264 Resp: 216112
 Ion Ratio Lower Upper
 264 100
 260 23.9 20.3 30.5
 265 22.5 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 0.40 ng

RT: 23.42 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

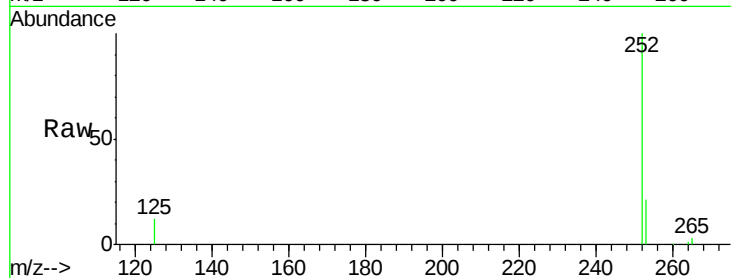
Tgt Ion:252 Resp: 23641

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.6

125 12.3 9.4 14.2

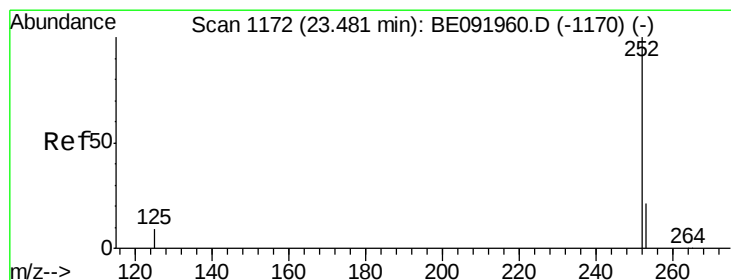
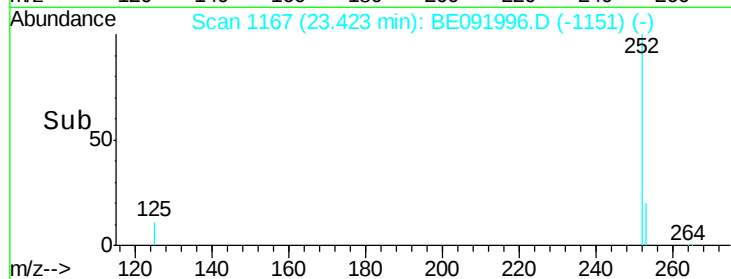
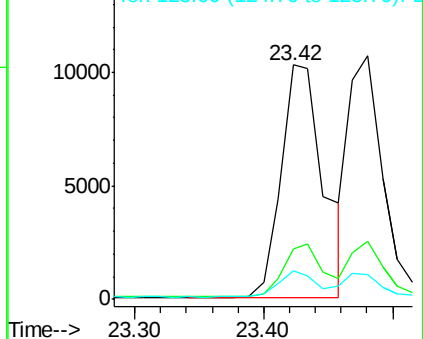


Abundance

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: 0.35 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

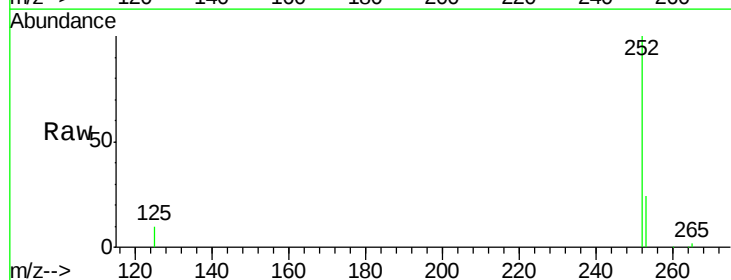
Tgt Ion:252 Resp: 19972

Ion Ratio Lower Upper

252 100

253 23.7 19.4 29.2

125 10.3 8.3 12.5

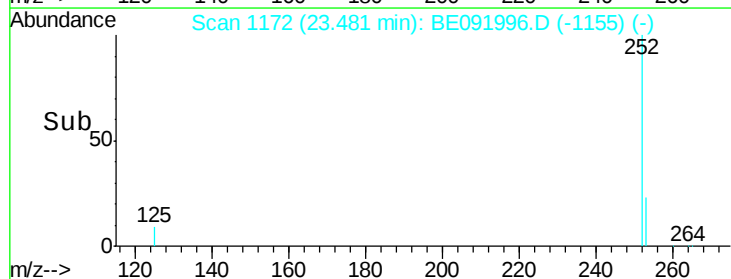
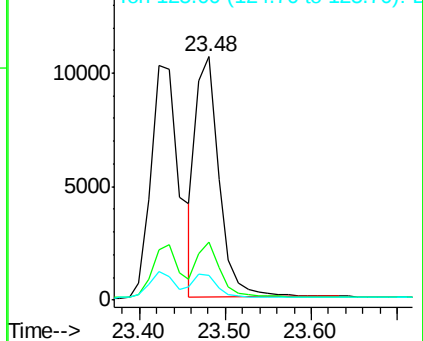


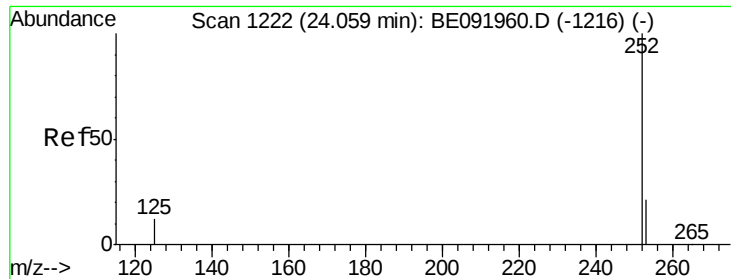
Abundance

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: 0.36 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

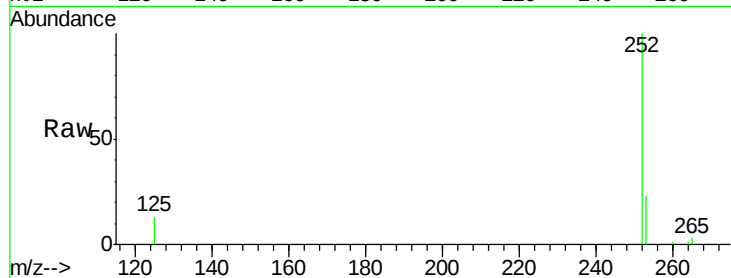
Tgt Ion:252 Resp: 20166

Ion Ratio Lower Upper

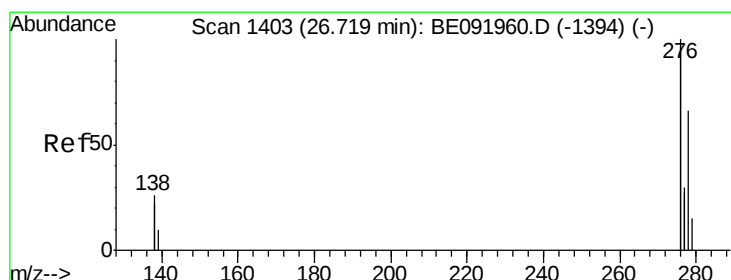
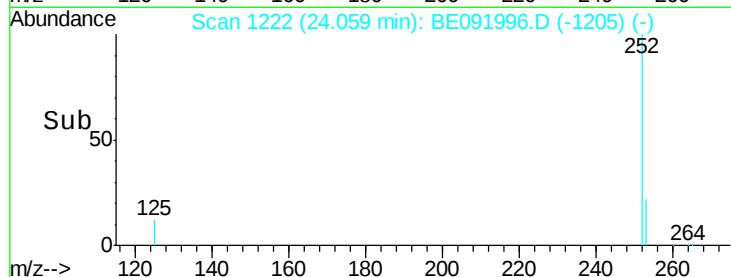
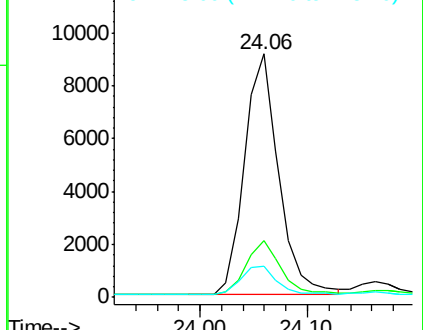
252 100

253 23.5 18.9 28.3

125 12.8 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: 0.34 ng

RT: 26.72 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BE091996.D

Acq: 9 Jul 2016 13:27

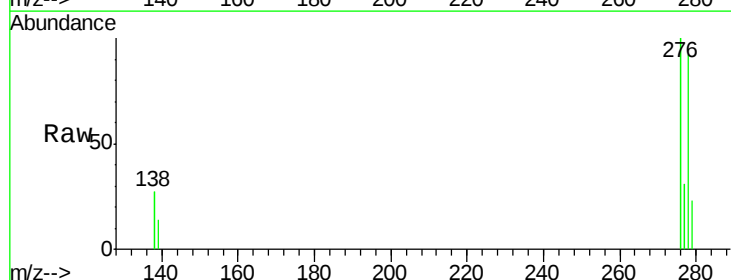
Tgt Ion:278 Resp: 18064

Ion Ratio Lower Upper

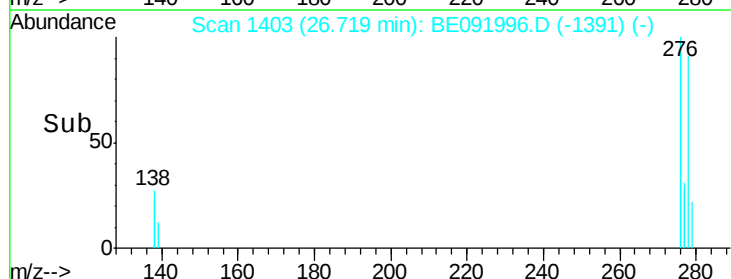
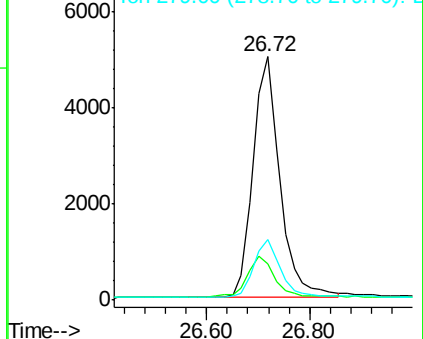
278 100

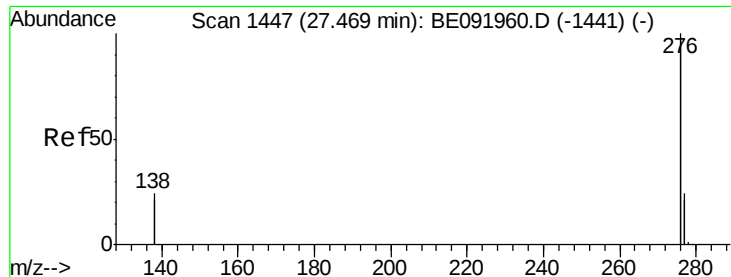
139 14.7 12.6 18.8

279 25.0 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: 0.34 ng

RT: 27.47 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BE091996.D

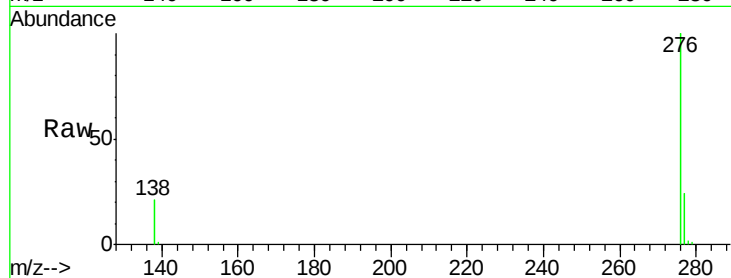
Acq: 9 Jul 2016 13:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



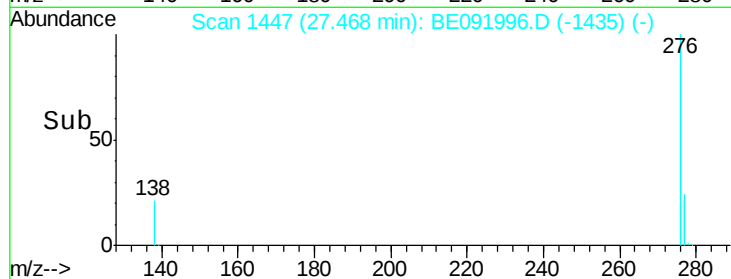
Tgt Ion: 276 Resp: 74266

Ion Ratio Lower Upper

276 100

277 24.5 19.5 29.3

138 21.3 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

