

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070916\
 Data File : BE091991.D
 Acq On : 9 Jul 2016 10:19
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Jul 11 04:25:04 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	22527	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	105645	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	74883	5.00	ng	0.00
24) Phenanthrene-d10	17.60	188	165228	5.00	ng	0.00
31) Chrysene-d12	21.76	240	296581	5.00	ng	0.00
40) Perylene-d12	24.17	264	211111	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	1759	0.33	ng	0.00
5) Phenol-d6	7.37	99	2451	0.33	ng	0.00
9) Nitrobenzene-d5	9.36	82	2522	0.35	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	666	0.39	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	7432	0.41	ng	0.00
34) Terphenyl-d14	20.22	244	12262	0.35	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	1177	0.39	ng	92
3) n-Nitrosodimethylamine	3.83	42	1276	0.36	ng	# 85
6) bis(2-Chloroethyl)ether	7.61	93	2518	0.39	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	2082	0.33	ng	# 97
10) Nitrobenzene	9.42	77	2709	0.35	ng	# 100
11) bis(2-Chloroethoxy)methane	10.42	93	3183	0.36	ng	# 1
12) Naphthalene	11.04	128	9577	0.39	ng	96
13) Hexachlorobutadiene	11.34	225	1419	0.38	ng	97
14) 2-Methylnaphthalene	12.68	142	5912	0.37	ng	99
18) Acenaphthylene	14.56	152	37486	0.40	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	5792	0.39	ng	# 41
20) Acenaphthene	14.92	154	7607	0.37	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	7484	0.52	ng	# 1
22) Fluorene	15.90	166	8593	0.40	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	4348	0.40	ng	97
25) 4-Bromophenyl-phenylether	16.78	248	2586	0.36	ng	96
26) Hexachlorobenzene	16.90	284	2805	0.39	ng	99
27) Pentachlorophenol	17.27	266	841	0.45	ng	96
28) Phenanthrene	17.64	178	16836	0.39	ng	100
29) Anthracene	17.73	178	14799	0.37	ng	100
30) Fluoranthene	19.65	202	69171	0.37	ng	# 87
32) Benzidine	19.83	184	6037	0.46	ng	96
33) Pyrene	20.02	202	71214	0.33	ng	# 80
35) Benzo(a)anthracene	21.78	228	45244	0.91	ng	# 89
36) 3,3'-Dichlorobenzidine	21.70	252	3691	0.22	ng	# 99
37) Chrysene	21.78	228	45833	0.65	ng	100
38) Bis(2-ethylhexyl)phthalate	21.64	149	13943	0.24	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.69	276	87594	0.32	ng	98
41) Benzo(b)fluoranthene	23.43	252	22515	0.39	ng	96
42) Benzo(k)fluoranthene	23.48	252	19905	0.35	ng	98
43) Benzo(a)pyrene	24.06	252	19535	0.35	ng	99
44) Dibenzo(a,h)anthracene	26.72	278	18003	0.35	ng	99
45) Benzo(g,h,i)perylene	27.47	276	72633	0.34	ng	99

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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

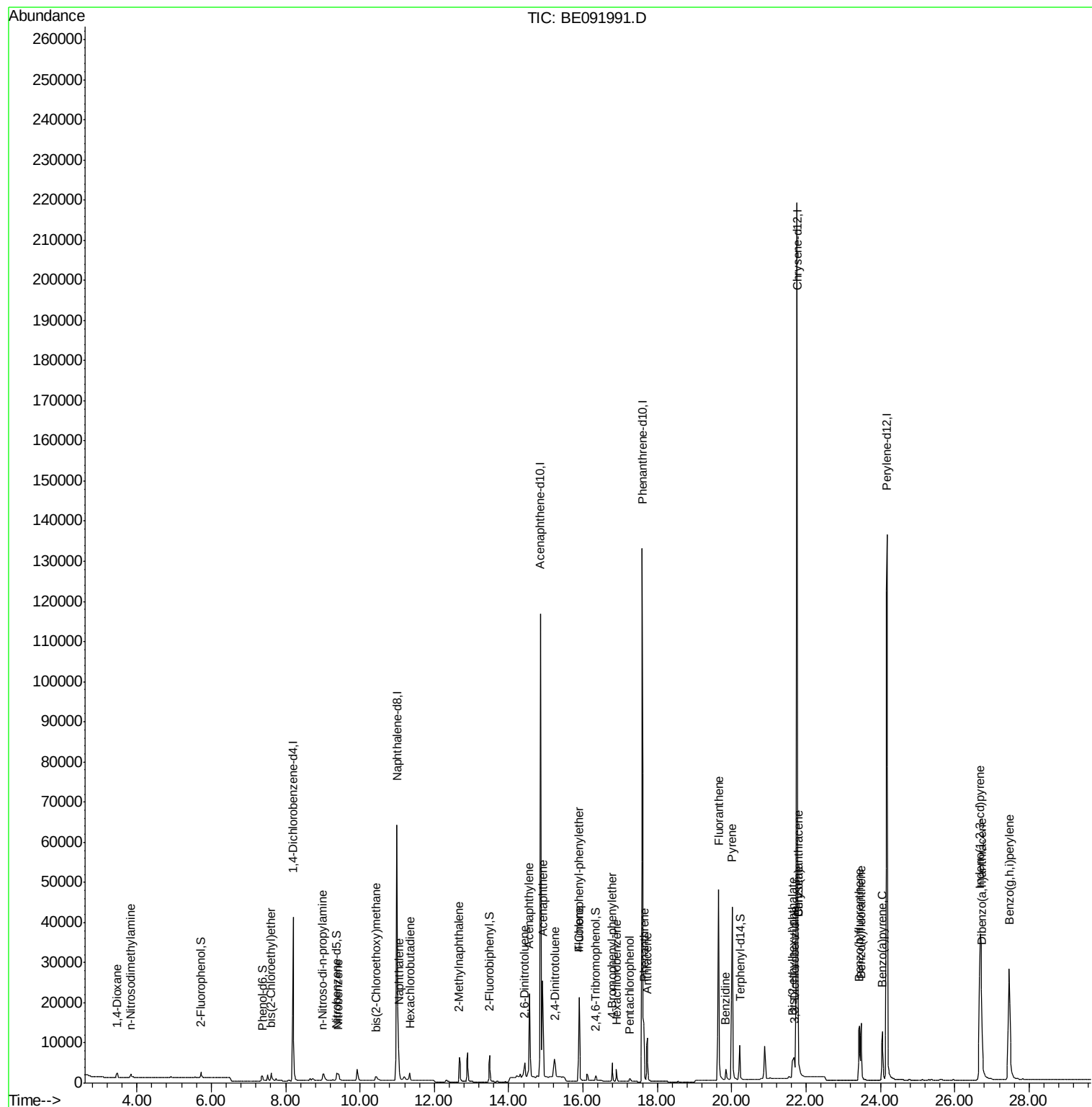
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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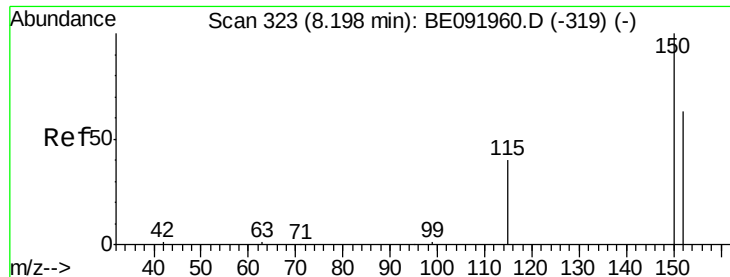
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 11 04:25:04 2016
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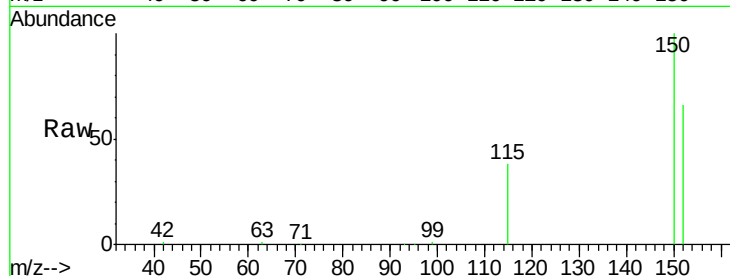




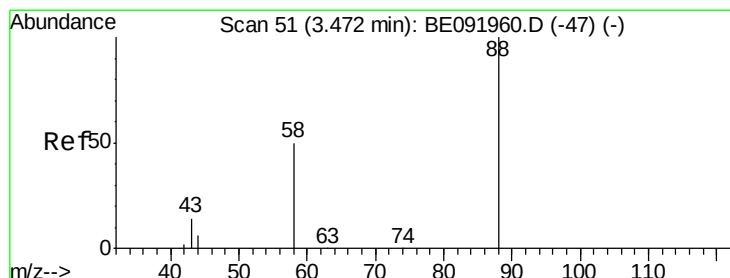
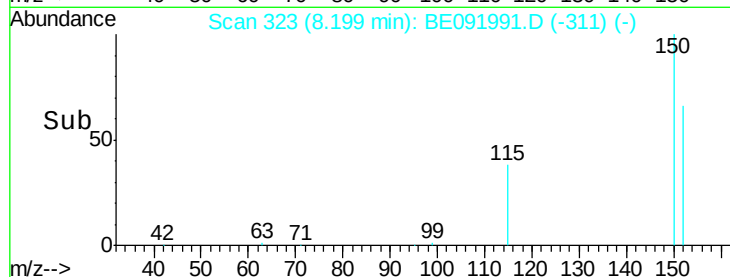
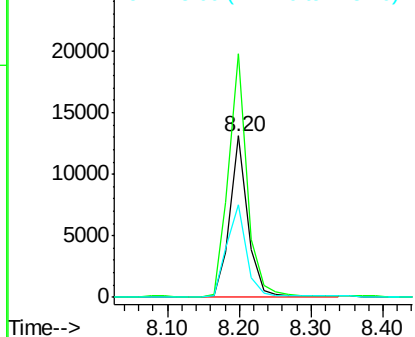
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.20 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: BE091991.D
 Acq: 9 Jul 2016 10:19

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion: 152 Resp: 22527
 Ion Ratio Lower Upper
 152 100
 150 150.8 123.9 185.9
 115 57.4 48.3 72.5

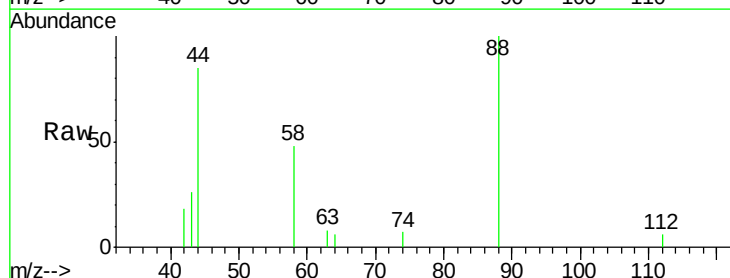


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

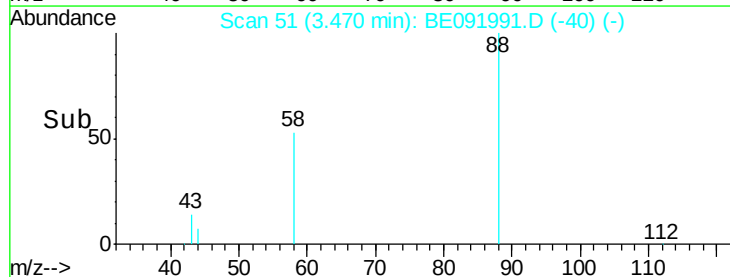
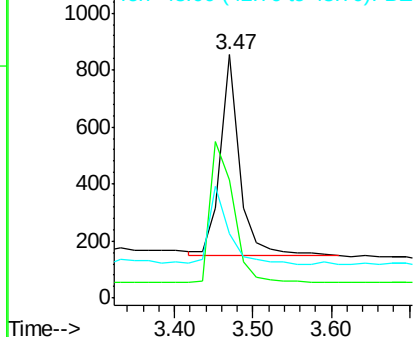


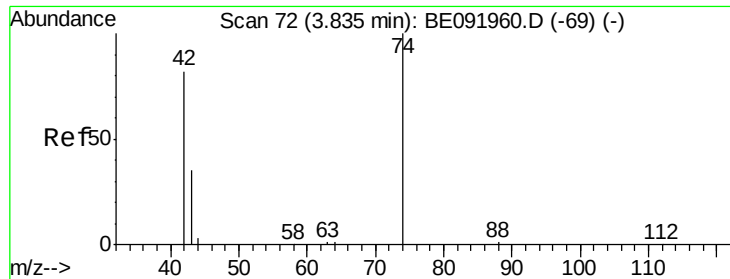
#2
 1,4-Dioxane
 Concen: 0.39 ng
 RT: 3.47 min Scan# 51
 Delta R.T. -0.00 min
 Lab File: BE091991.D
 Acq: 9 Jul 2016 10:19

Tgt Ion: 88 Resp: 1177
 Ion Ratio Lower Upper
 88 100
 58 87.4 63.0 94.4
 43 39.5 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: 0.36 ng

RT: 3.83 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

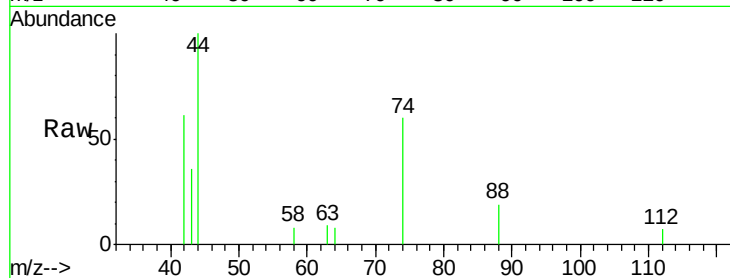
Tgt Ion: 42 Resp: 1276

Ion Ratio Lower Upper

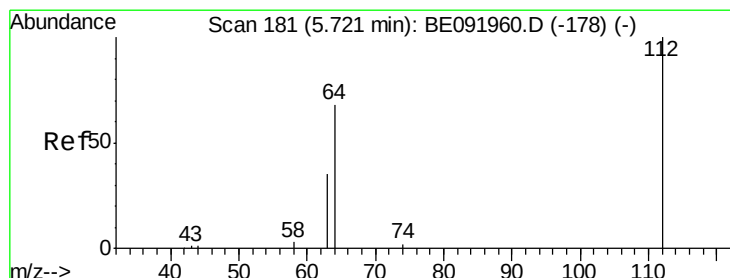
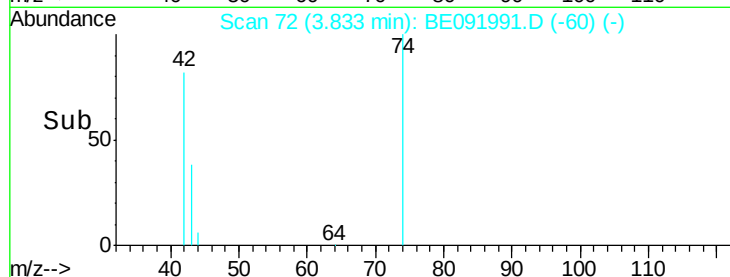
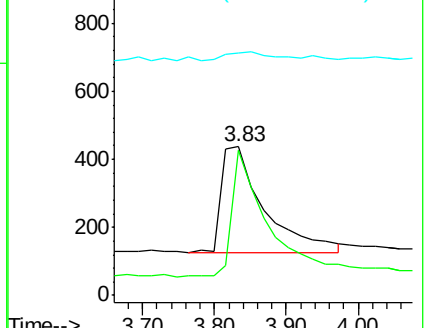
42 100

74 100.2 93.4 140.0

44 8.7 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: 0.33 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

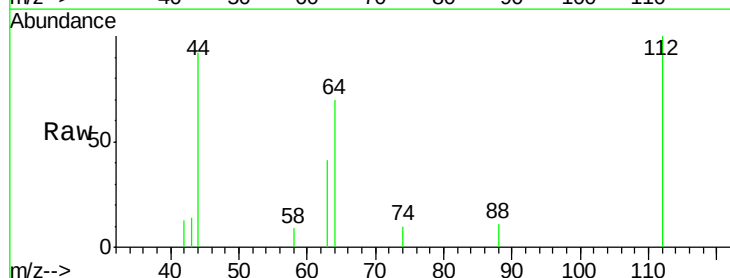
Tgt Ion: 112 Resp: 1759

Ion Ratio Lower Upper

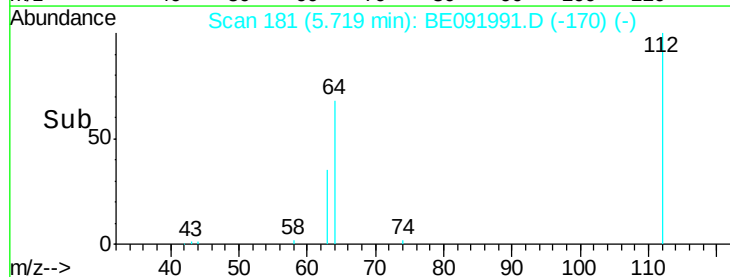
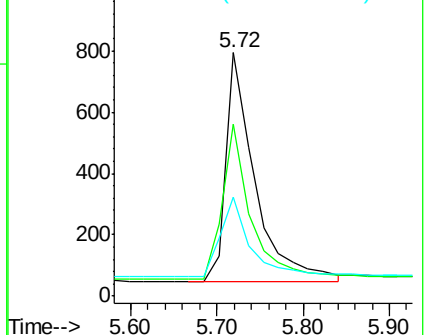
112 100

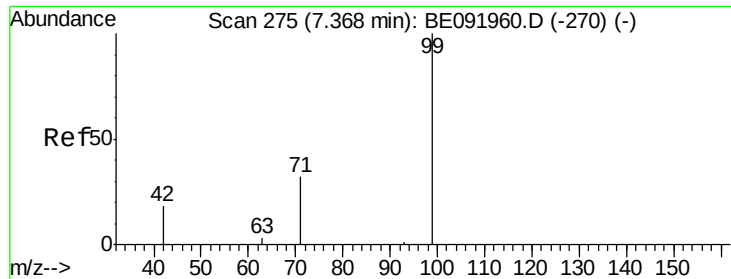
64 68.2 53.7 80.5

63 37.1 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: 0.33 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

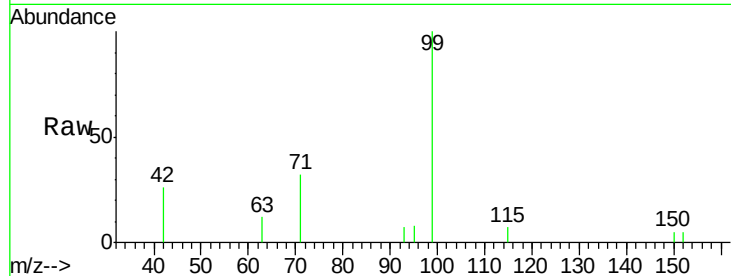
Tgt Ion: 99 Resp: 2451

Ion Ratio Lower Upper

99 100

42 26.5 19.6 29.4

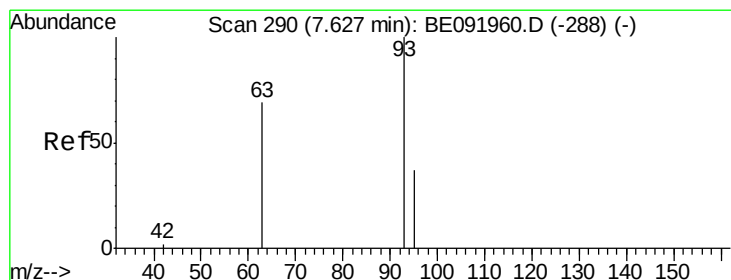
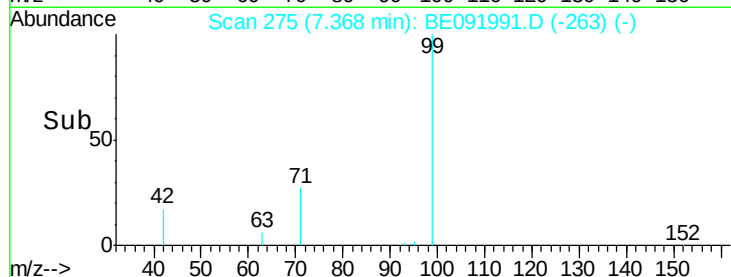
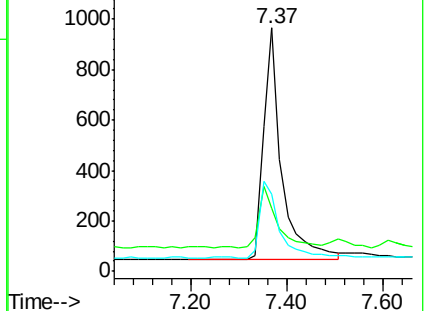
71 35.5 28.1 42.1



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



#6

bis(2-Chloroethyl)ether

Concen: 0.39 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

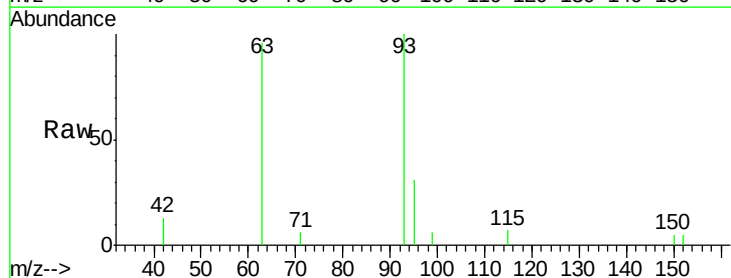
Tgt Ion: 93 Resp: 2518

Ion Ratio Lower Upper

93 100

63 78.8 66.2 99.4

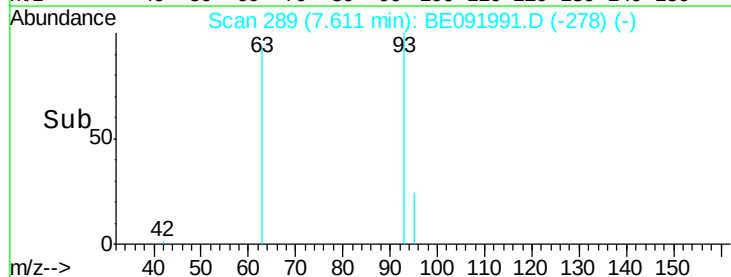
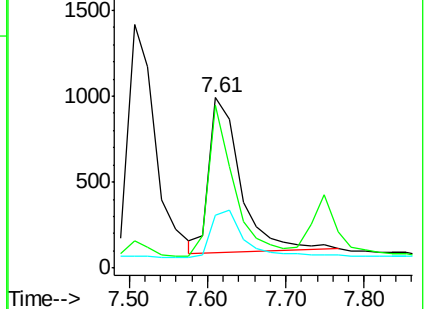
95 32.4 25.5 38.3

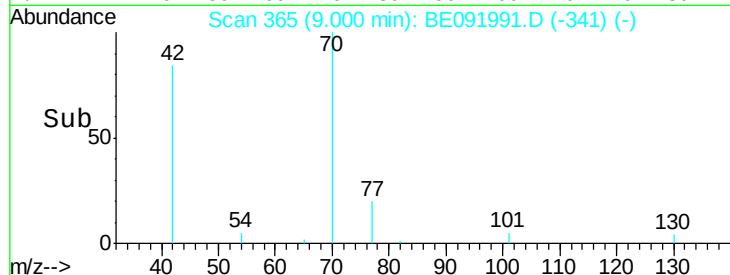
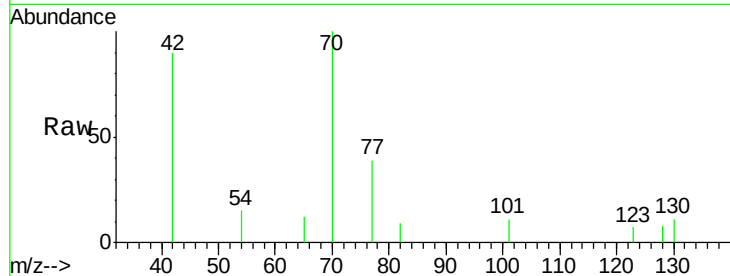
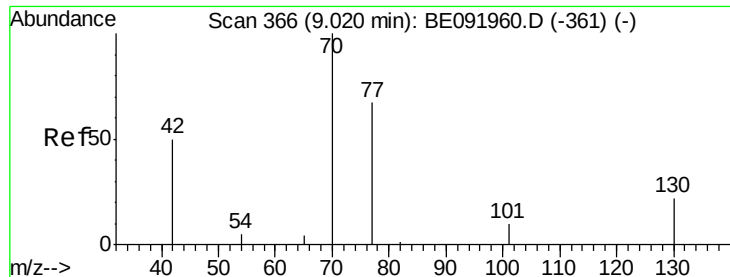


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.33 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 70 Resp: 2082

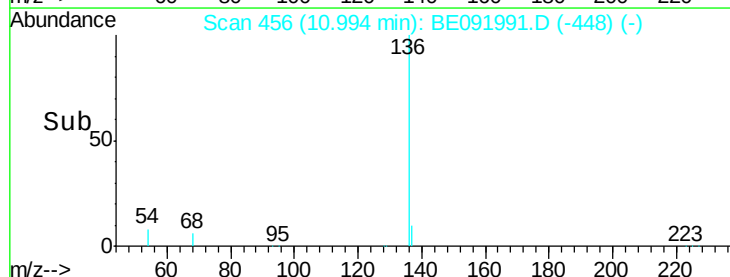
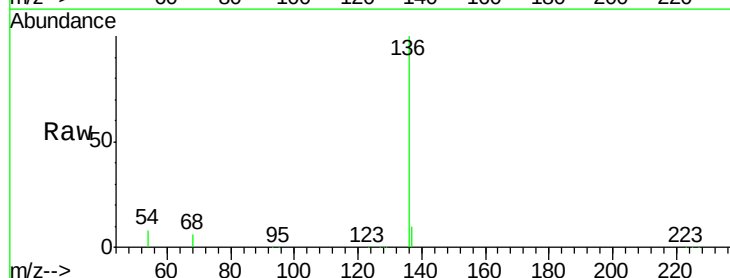
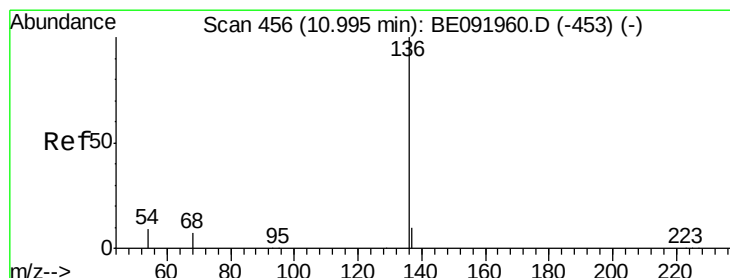
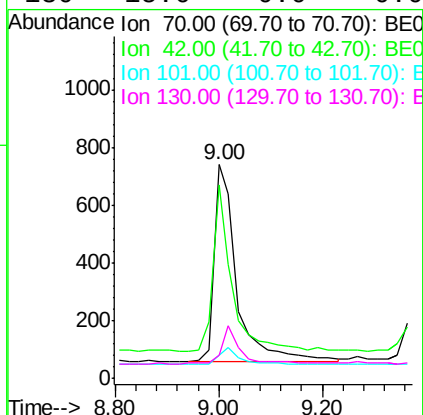
Ion Ratio Lower Upper

70 100

42 70.6 58.4 87.6

101 8.4 6.4 9.6

130 15.6 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

Tgt Ion: 136 Resp: 105645

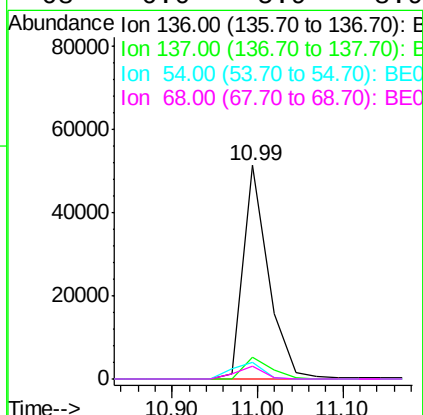
Ion Ratio Lower Upper

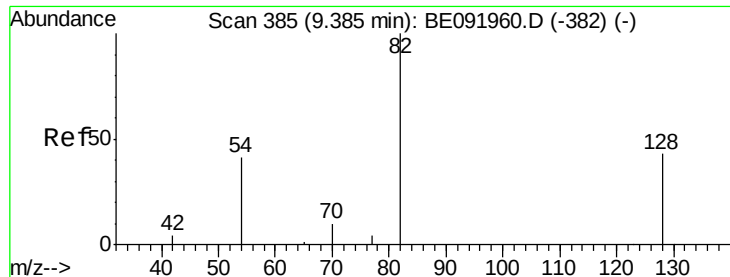
136 100

137 10.2 8.3 12.5

54 7.9 8.2 12.4#

68 6.0 5.9 8.9





#9

Nitrobenzene-d5

Concen: 0.35 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

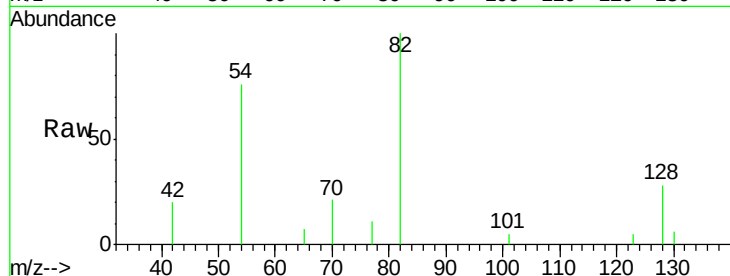
Tgt Ion: 82 Resp: 2522

Ion Ratio Lower Upper

82 100

128 27.9 39.5 59.3#

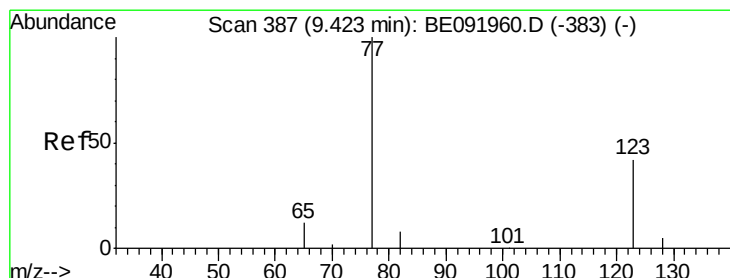
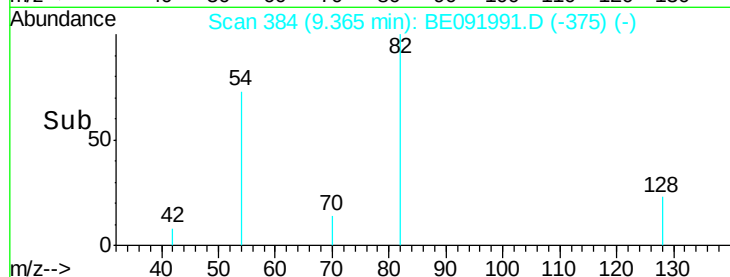
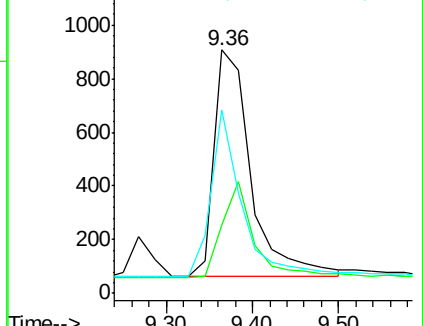
54 75.6 30.3 45.5#



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: BE091991.D

Acq: 9 Jul 2016 10:19

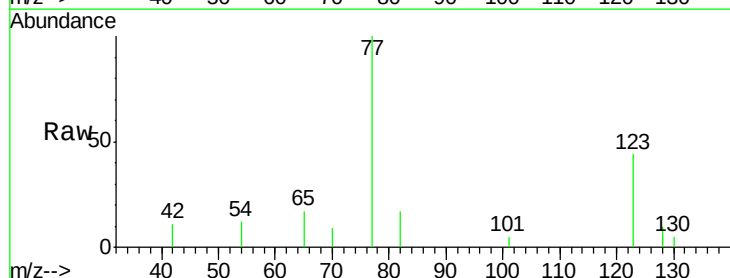
Tgt Ion: 77 Resp: 2709

Ion Ratio Lower Upper

77 100

123 37.7 0.0 0.0#

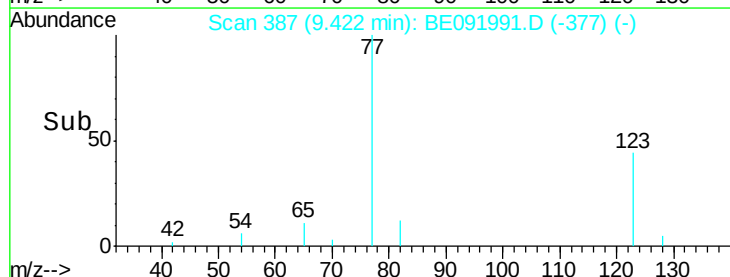
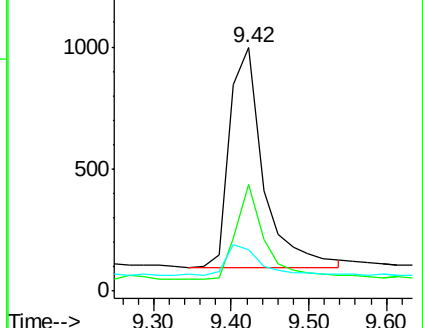
65 13.9 11.1 16.7

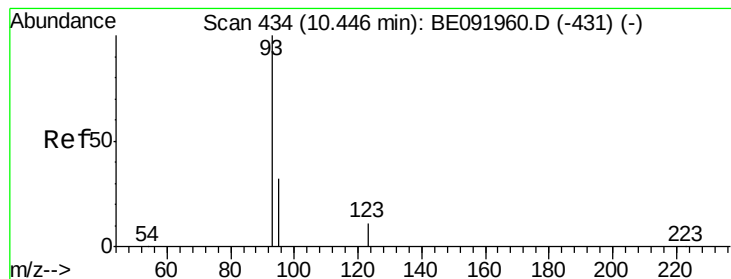


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

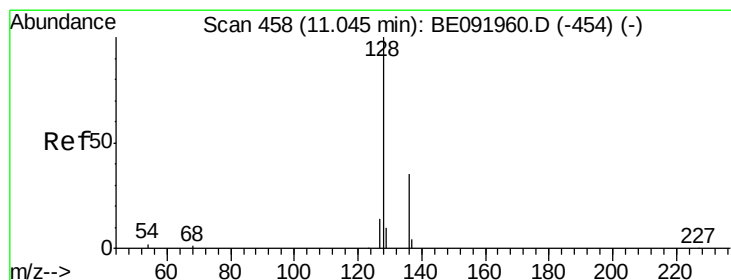
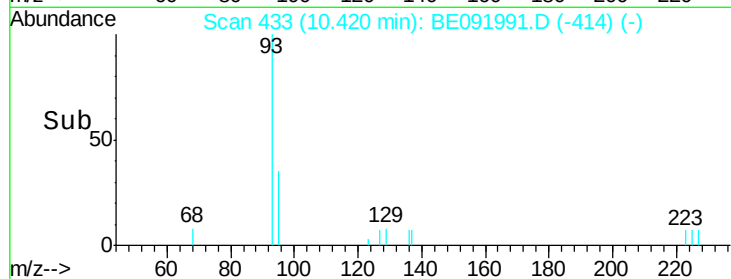
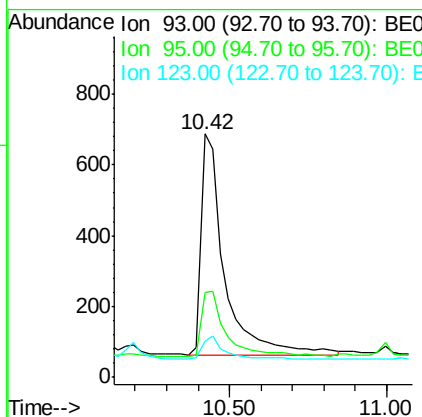
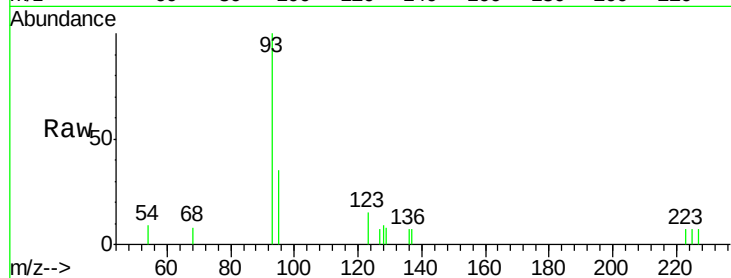




#11
bis(2-Chloroethoxy)methane
Concen: 0.36 ng
RT: 10.42 min Scan# 433
Delta R.T. -0.03 min
Lab File: BE091991.D
Acq: 9 Jul 2016 10:19

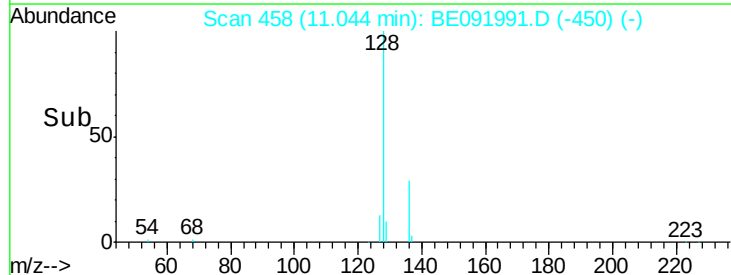
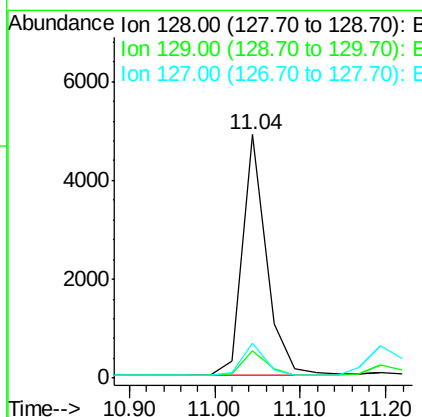
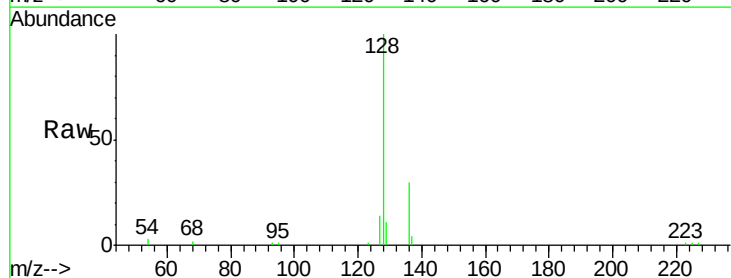
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

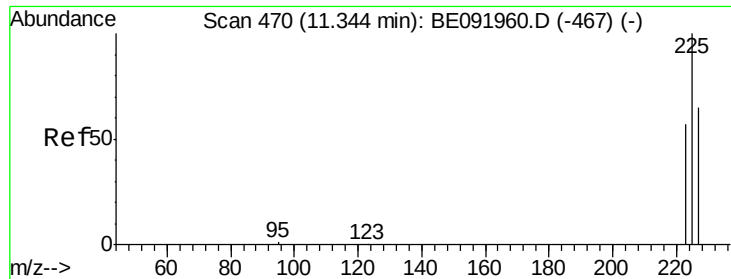
Tgt Ion: 93 Resp: 3183
Ion Ratio Lower Upper
93 100
95 0.0 57.6 86.4#
123 0.0 100.2 150.4#



#12
Naphthalene
Concen: 0.39 ng
RT: 11.04 min Scan# 458
Delta R.T. -0.00 min
Lab File: BE091991.D
Acq: 9 Jul 2016 10:19

Tgt Ion: 128 Resp: 9577
Ion Ratio Lower Upper
128 100
129 11.4 10.4 15.6
127 14.3 10.2 15.2

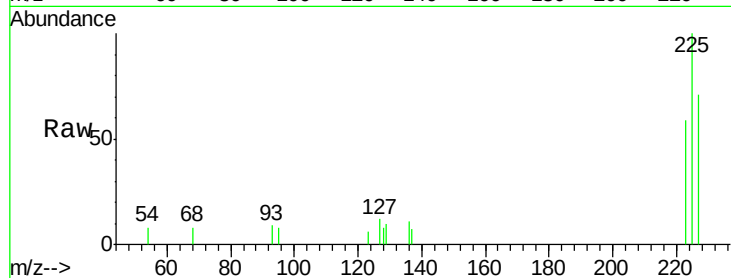




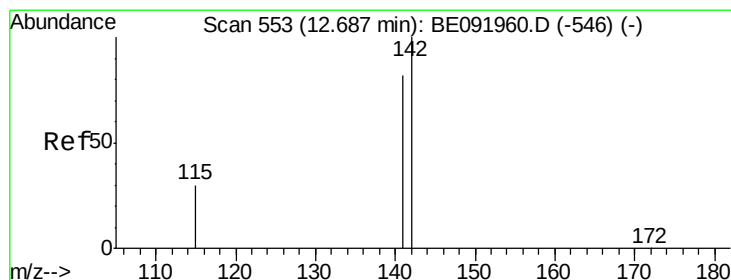
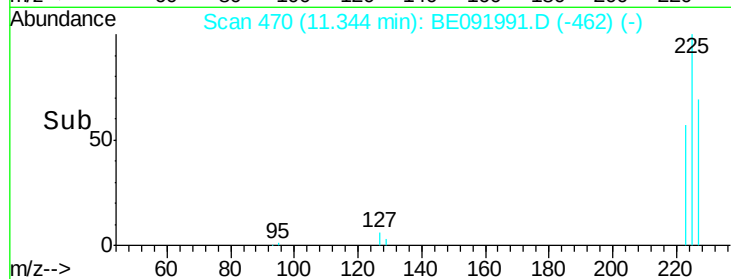
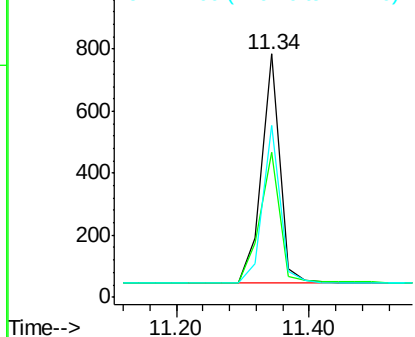
#13
Hexachlorobutadiene
Concen: 0.38 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091991.D
Acq: 9 Jul 2016 10:19

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 225 Resp: 1419
Ion Ratio Lower Upper
225 100
223 60.3 49.8 74.8
227 65.5 50.6 75.8

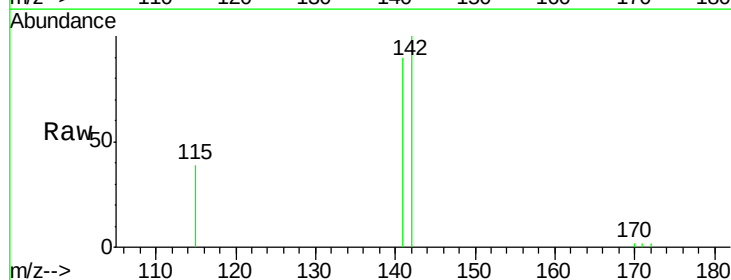


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

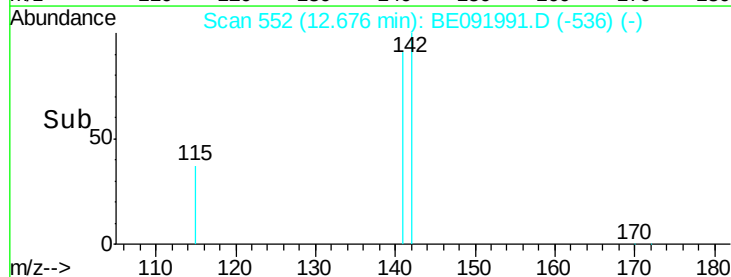
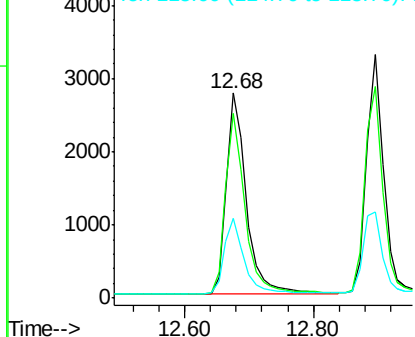


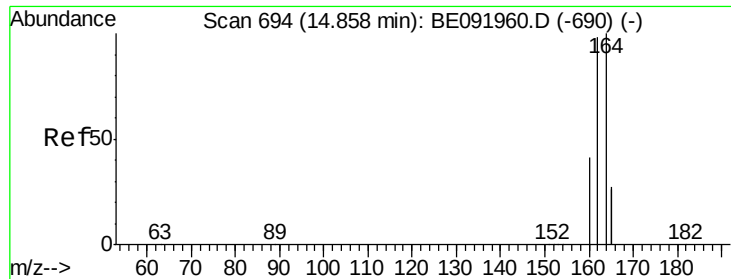
#14
2-Methylnaphthalene
Concen: 0.37 ng
RT: 12.68 min Scan# 552
Delta R.T. -0.01 min
Lab File: BE091991.D
Acq: 9 Jul 2016 10:19

Tgt Ion: 142 Resp: 5912
Ion Ratio Lower Upper
142 100
141 90.5 71.9 107.9
115 38.8 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: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

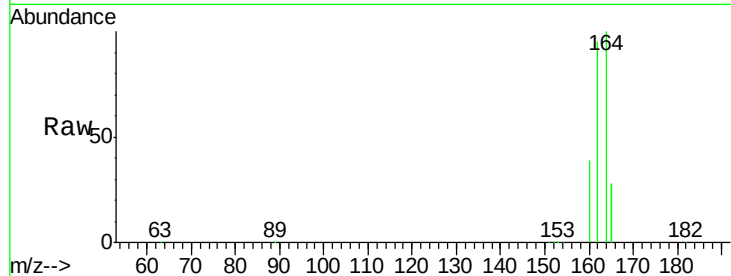
Tgt Ion:164 Resp: 74883

Ion Ratio Lower Upper

164 100

162 94.8 71.8 107.8

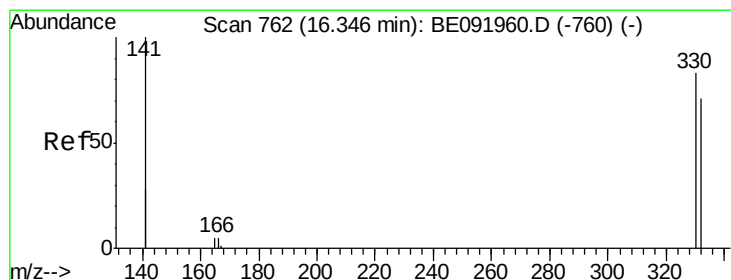
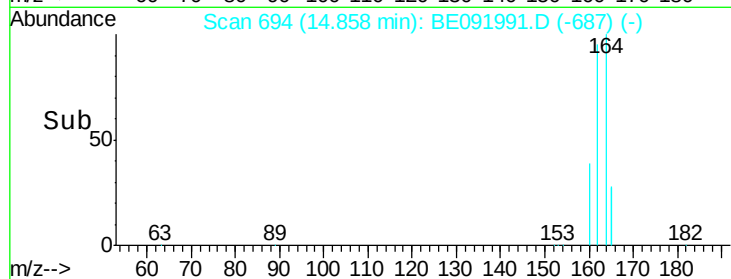
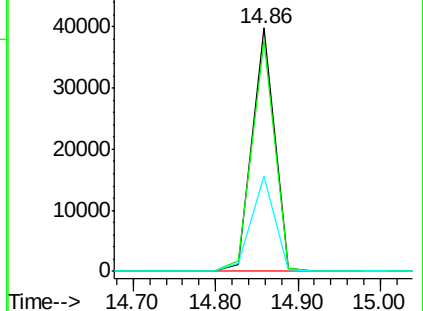
160 39.3 28.0 42.0



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: 0.39 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

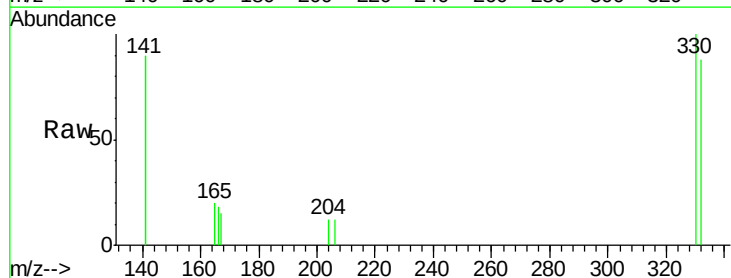
Tgt Ion:330 Resp: 666

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

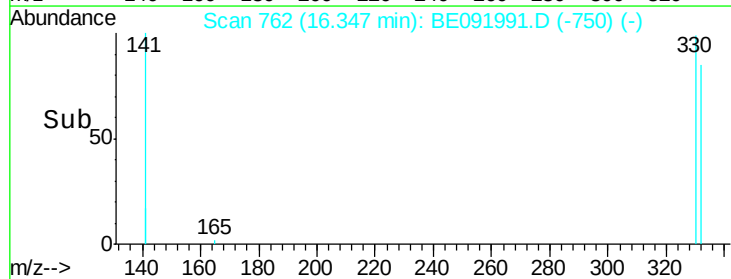
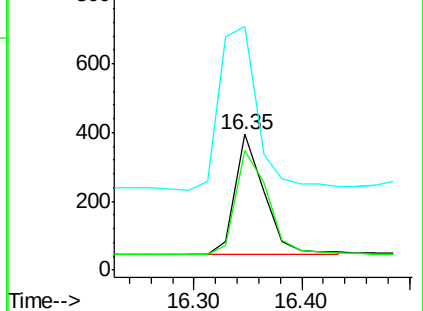
141 177.5 138.4 207.6

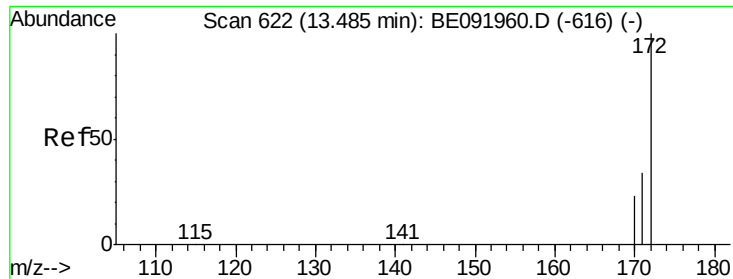


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

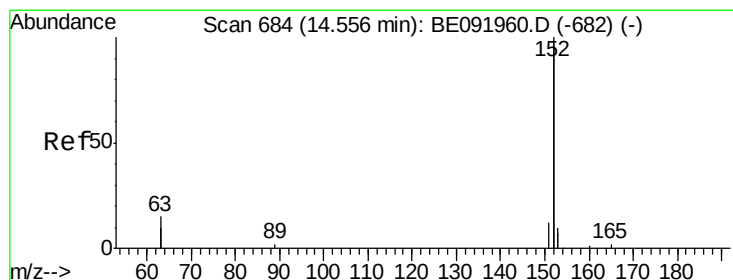
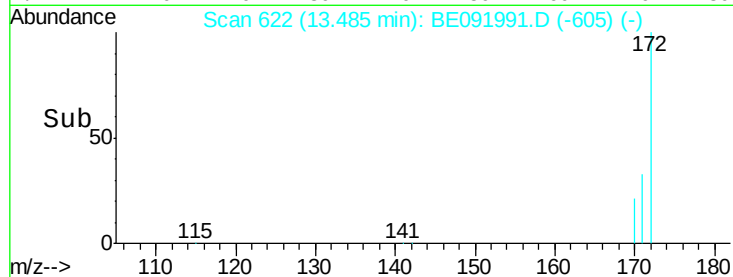
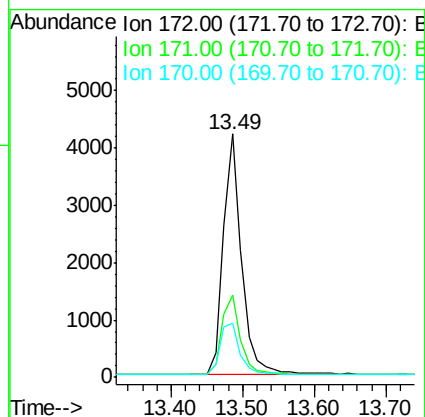
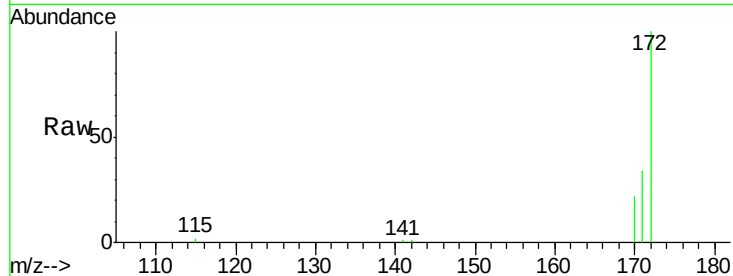




#17
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091991.D
Acq: 9 Jul 2016 10:19

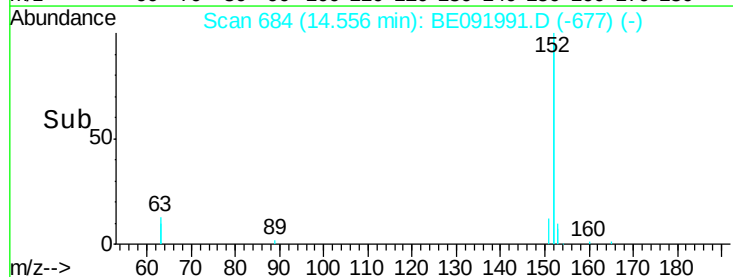
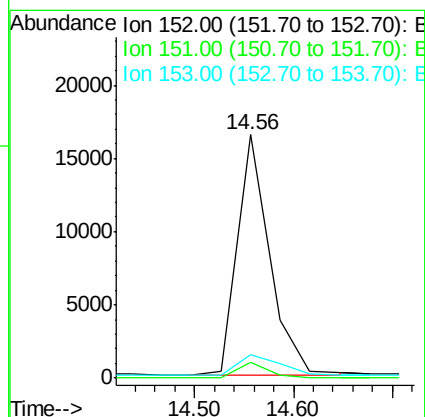
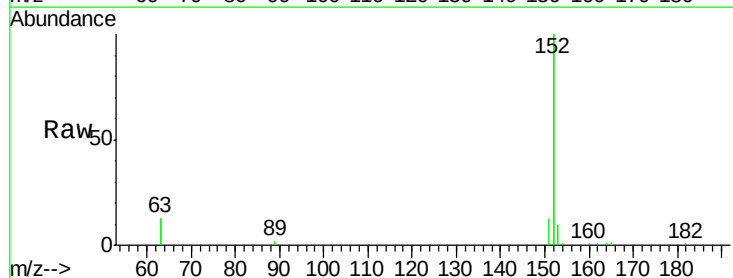
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

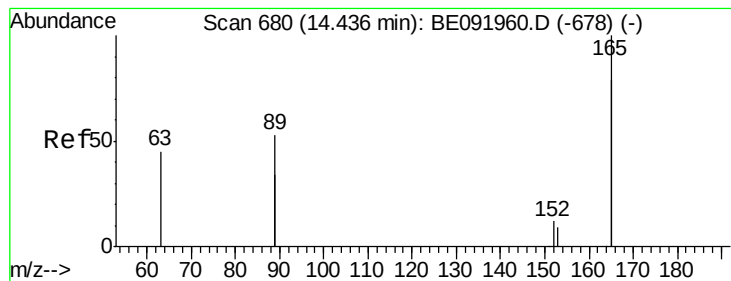
Tgt Ion:172 Resp: 7432
Ion Ratio Lower Upper
172 100
171 33.8 24.3 36.5
170 22.2 14.9 22.3



#18
Acenaphthylene
Concen: 0.40 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE091991.D
Acq: 9 Jul 2016 10:19

Tgt Ion:152 Resp: 37486
Ion Ratio Lower Upper
152 100
151 5.7 19.4 29.2#
153 11.1 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: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

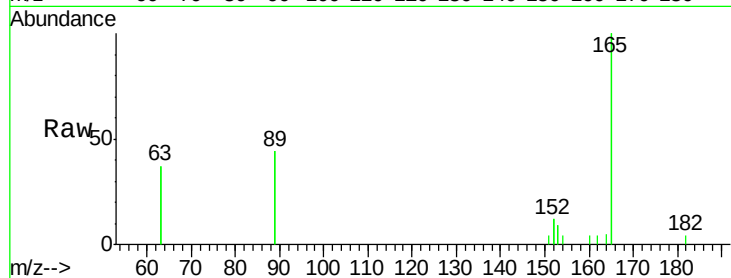
Tgt Ion:165 Resp: 5792

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

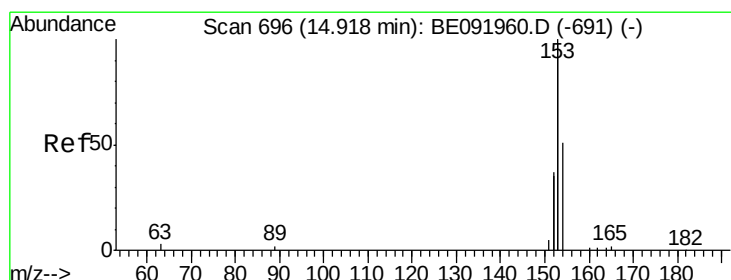
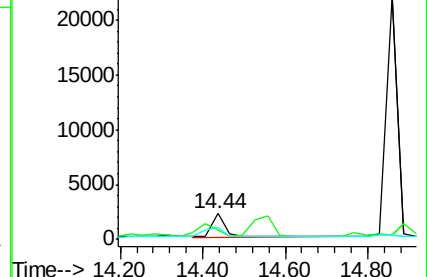
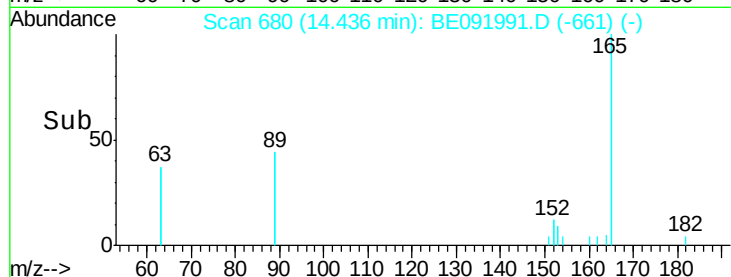
89 55.2 59.1 88.7#



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: 0.37 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

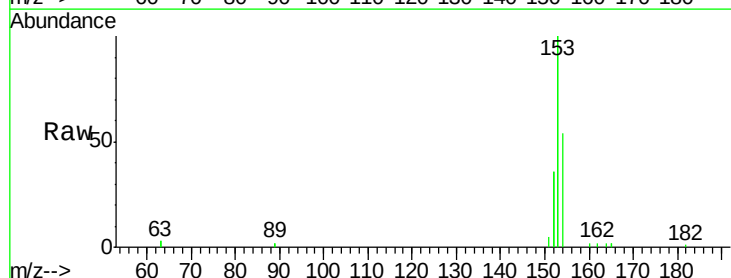
Tgt Ion:154 Resp: 7607

Ion Ratio Lower Upper

154 100

153 386.2 88.1 132.1#

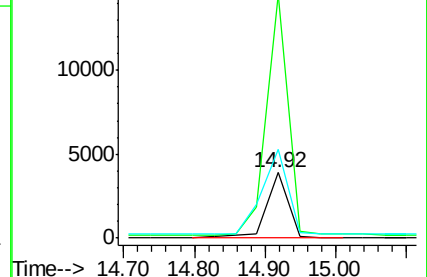
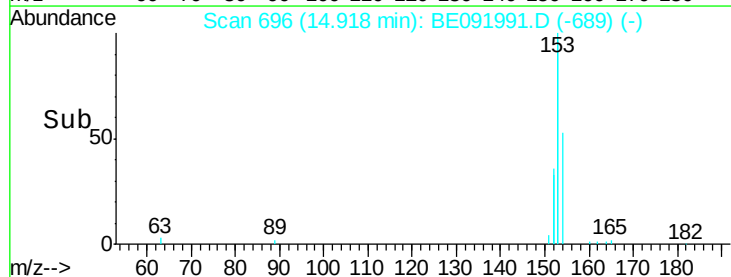
152 166.4 44.2 66.2#

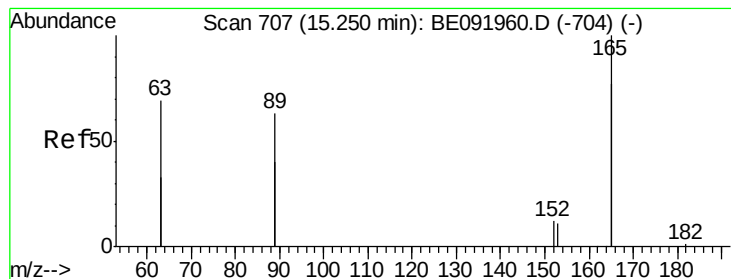


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 0.52 ng

RT: 15.25 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion:165 Resp: 7484

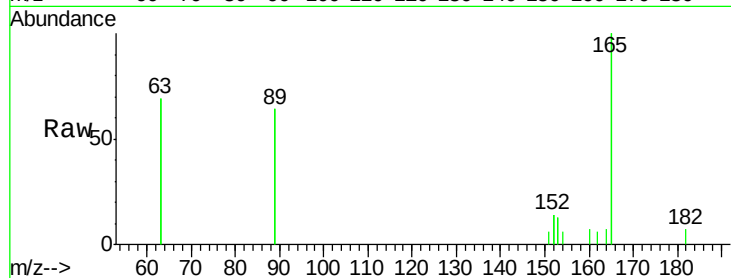
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

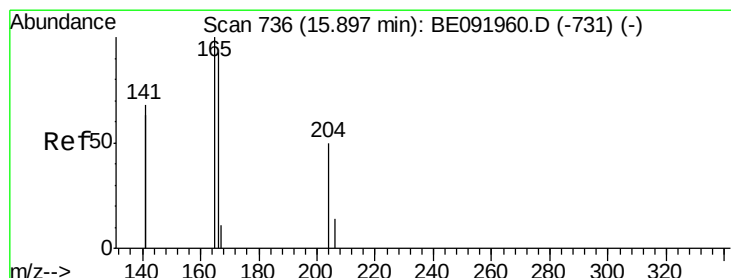
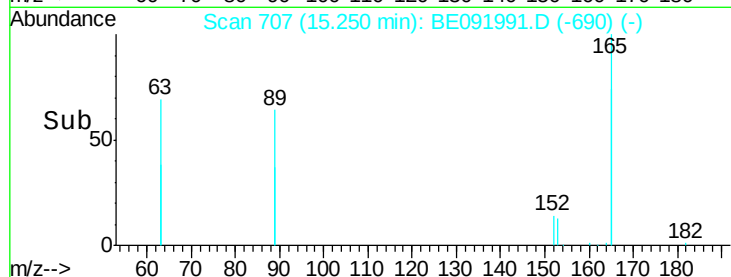
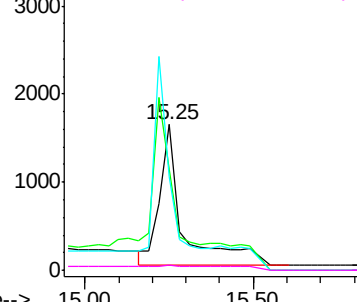


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.40 ng

RT: 15.90 min Scan# 736

Delta R.T. 0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

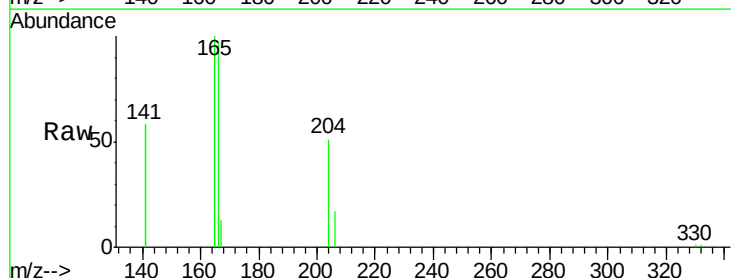
Tgt Ion:166 Resp: 8593

Ion Ratio Lower Upper

166 100

165 98.7 78.6 117.8

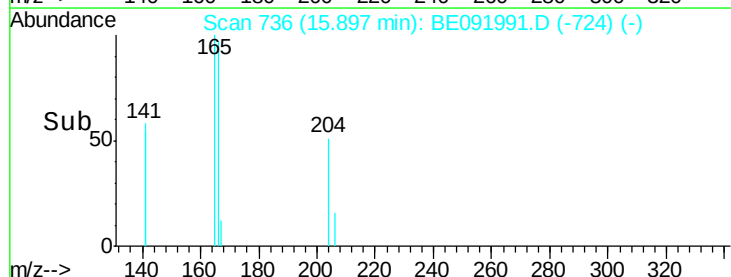
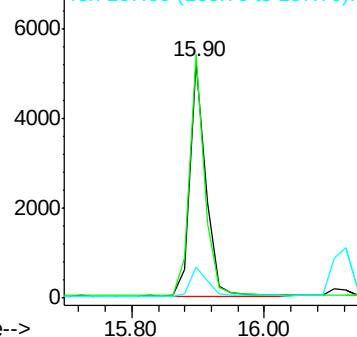
167 13.4 10.8 16.2

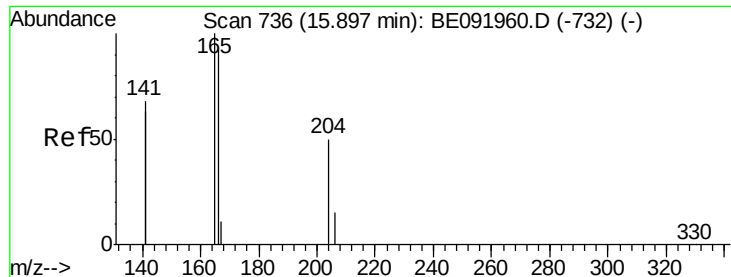


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

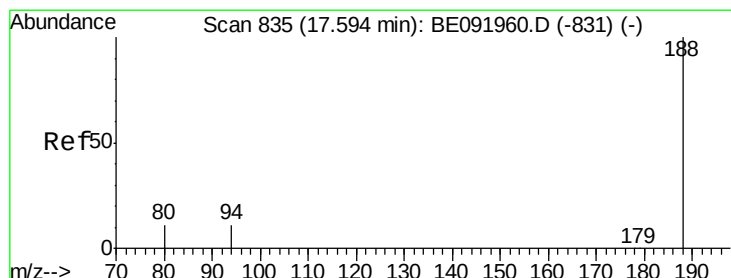
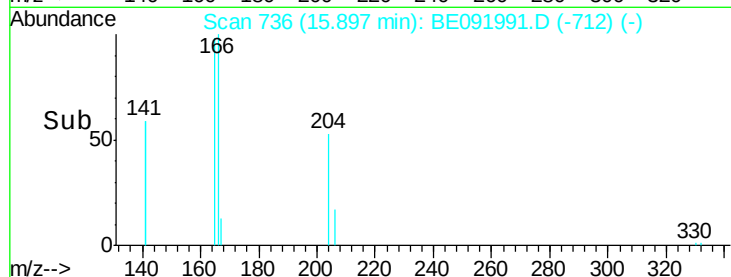
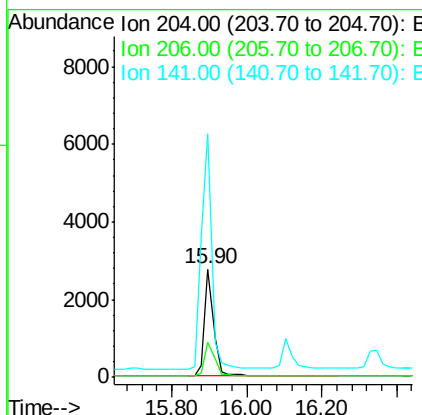
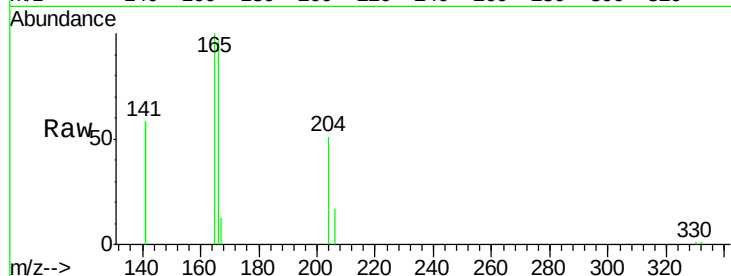




#23
 4-Chlorophenyl-phenylether
 Concen: 0.40 ng
 RT: 15.90 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BE091991.D
 Acq: 9 Jul 2016 10:19

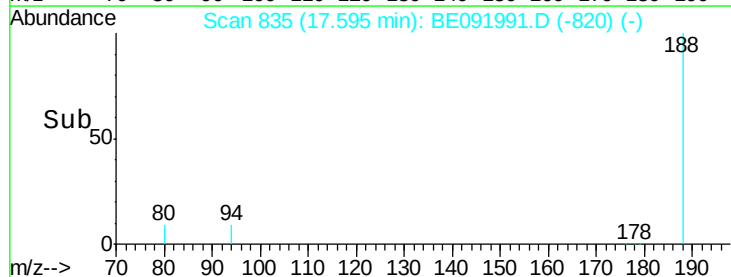
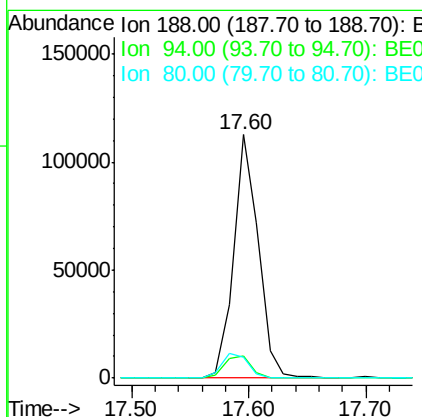
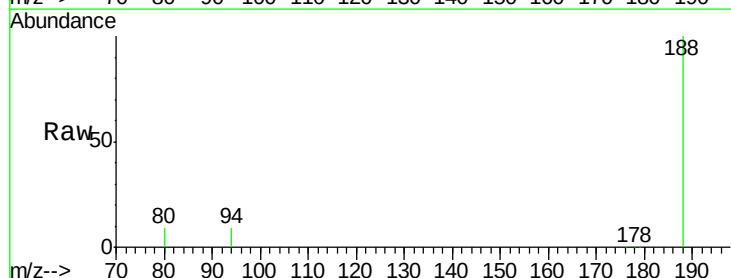
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

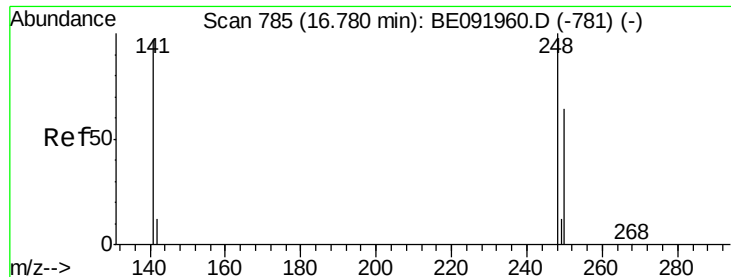
Tgt Ion:204 Resp: 4348
 Ion Ratio Lower Upper
 204 100
 206 33.5 27.8 41.6
 141 253.3 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.60 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BE091991.D
 Acq: 9 Jul 2016 10:19

Tgt Ion:188 Resp: 165228
 Ion Ratio Lower Upper
 188 100
 94 9.2 4.1 6.1#
 80 8.8 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: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

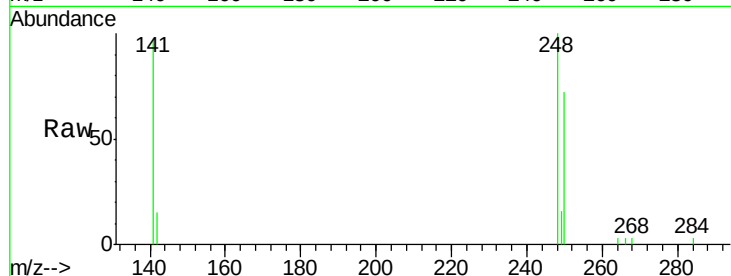
Tgt Ion:248 Resp: 2586

Ion Ratio Lower Upper

248 100

250 96.0 75.7 113.5

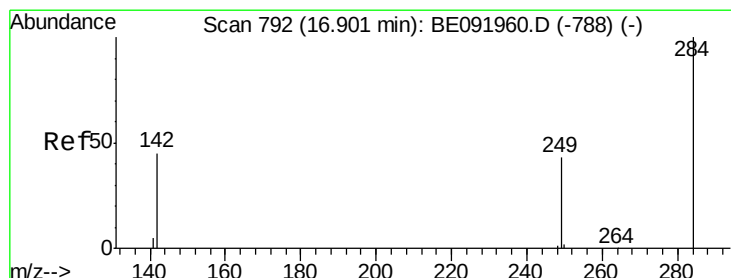
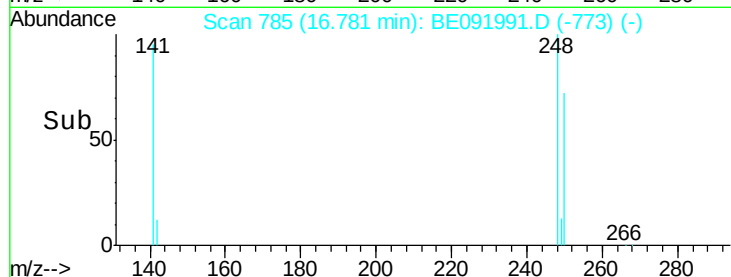
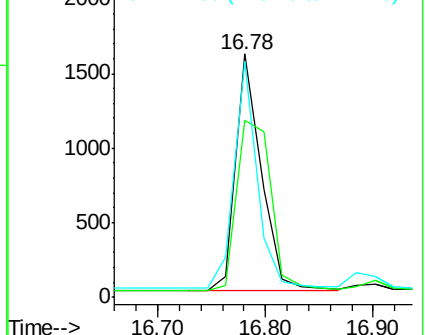
141 86.9 64.6 97.0



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: 0.39 ng

RT: 16.90 min Scan# 792

Delta R.T. 0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

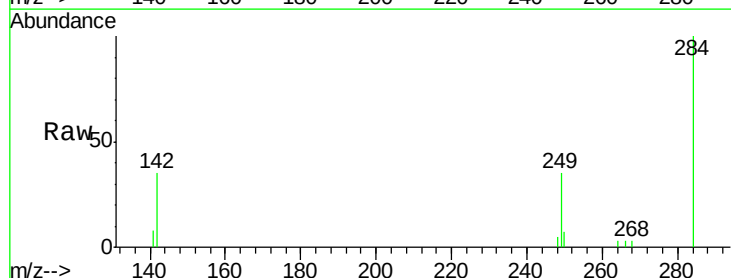
Tgt Ion:284 Resp: 2805

Ion Ratio Lower Upper

284 100

142 40.8 31.4 47.2

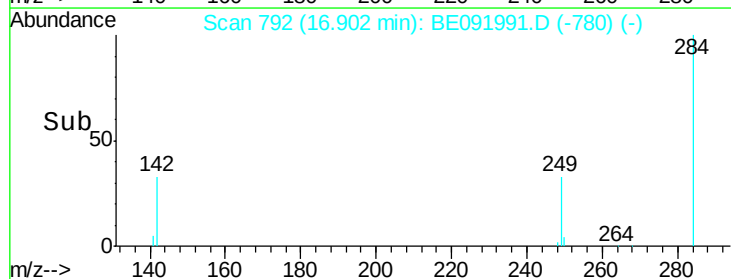
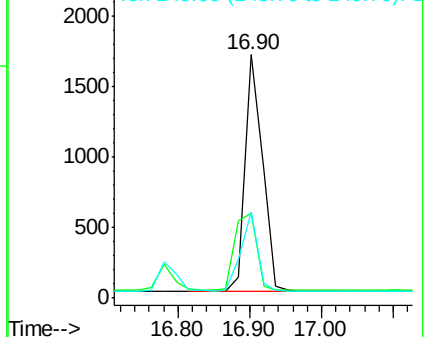
249 31.7 25.3 37.9

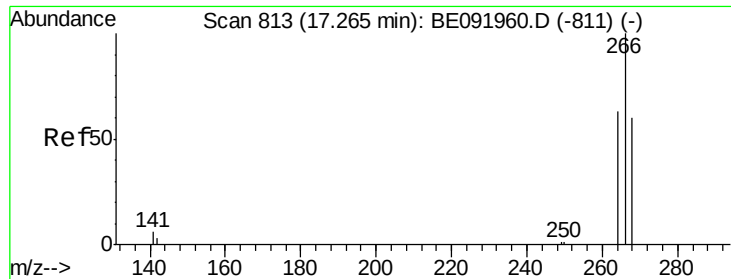


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

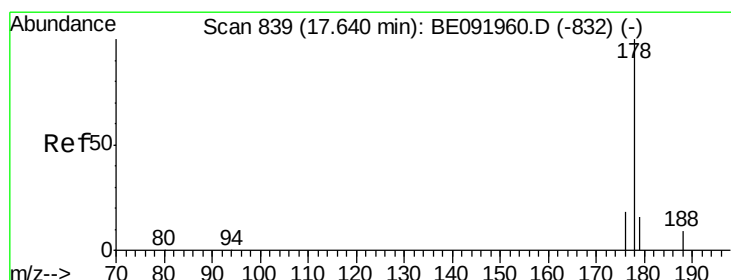
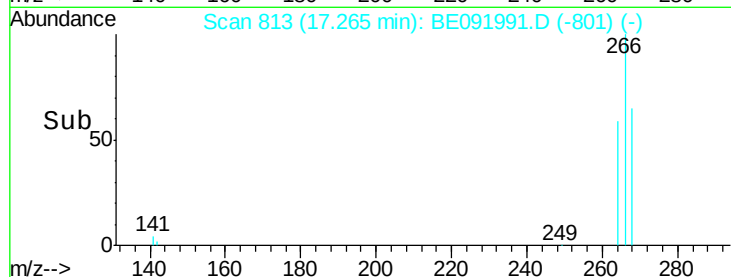
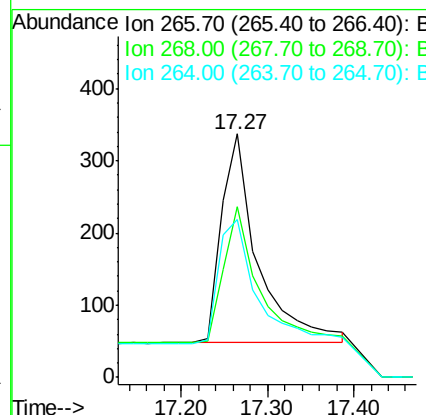
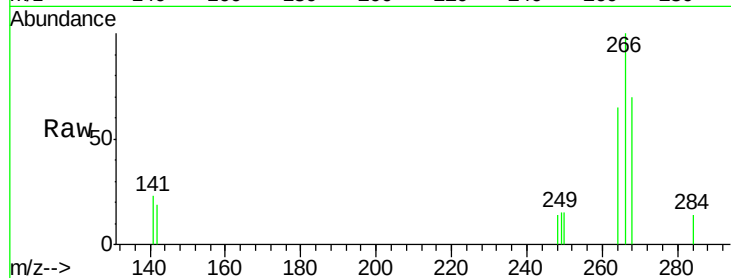




#27
 Pentachlorophenol
 Concen: 0.45 ng
 RT: 17.27 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BE091991.D
 Acq: 9 Jul 2016 10:19

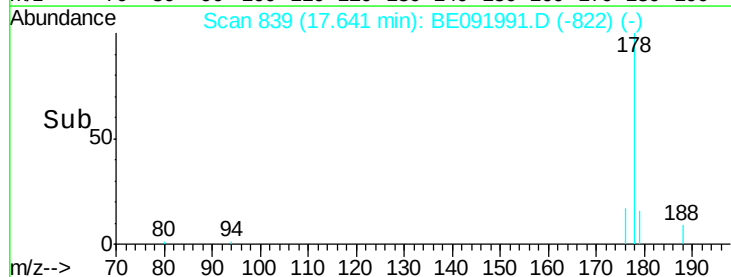
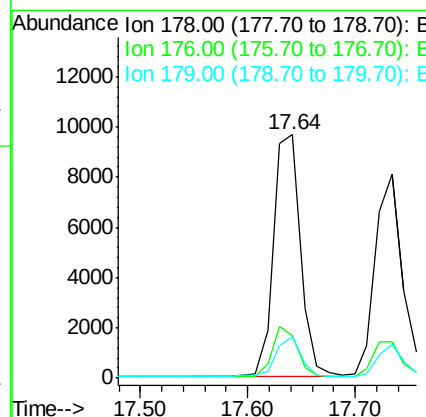
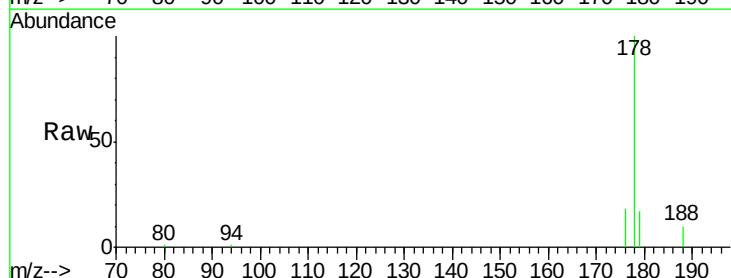
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

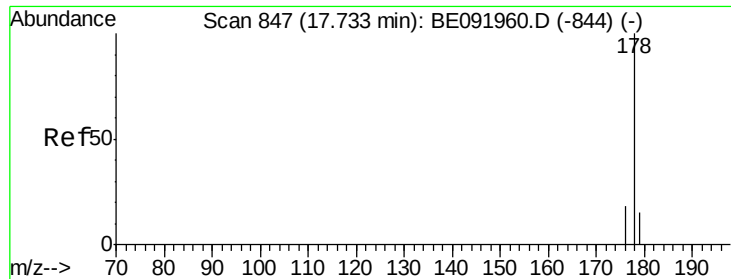
Tgt Ion:266 Resp: 841
 Ion Ratio Lower Upper
 266 100
 268 70.3 60.5 90.7
 264 64.7 51.0 76.4



#28
 Phenanthrene
 Concen: 0.39 ng
 RT: 17.64 min Scan# 839
 Delta R.T. 0.00 min
 Lab File: BE091991.D
 Acq: 9 Jul 2016 10:19

Tgt Ion:178 Resp: 16836
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 16.0 12.9 19.3





#29

Anthracene

Concen: 0.37 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

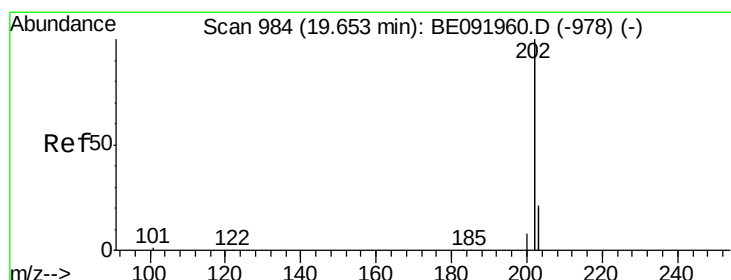
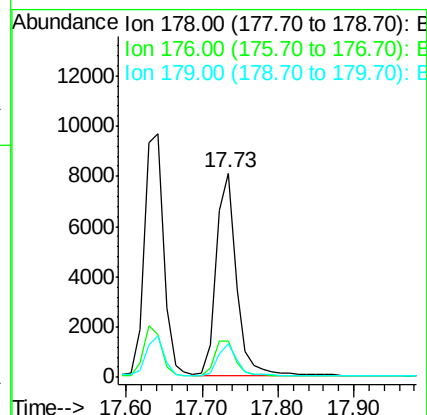
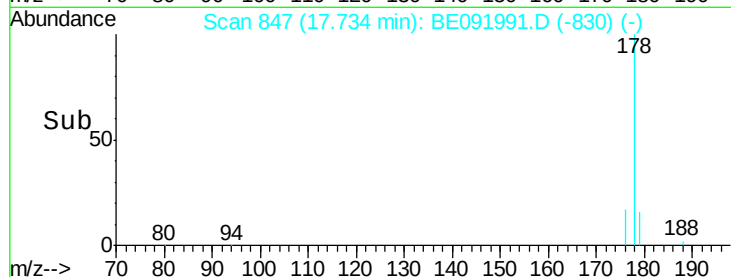
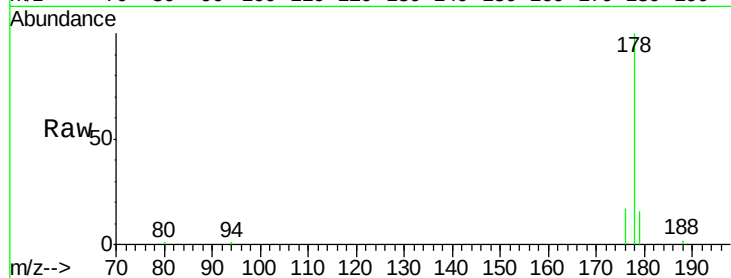
Tgt Ion:178 Resp: 14799

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 15.0 12.1 18.1



#30

Fluoranthene

Concen: 0.37 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

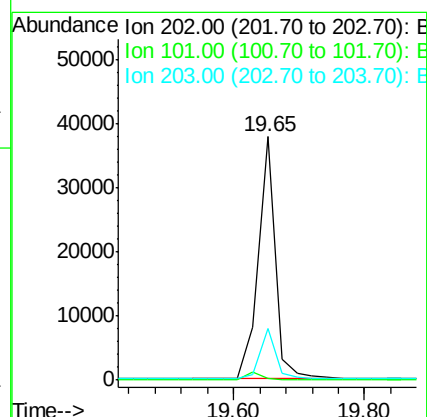
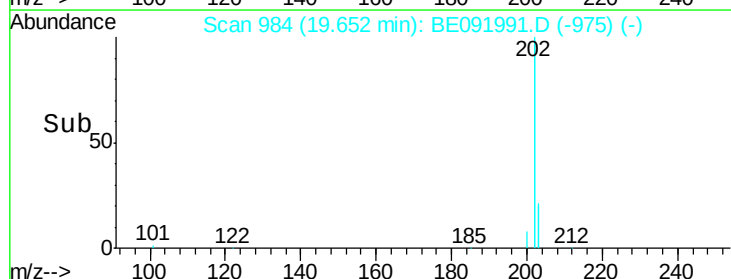
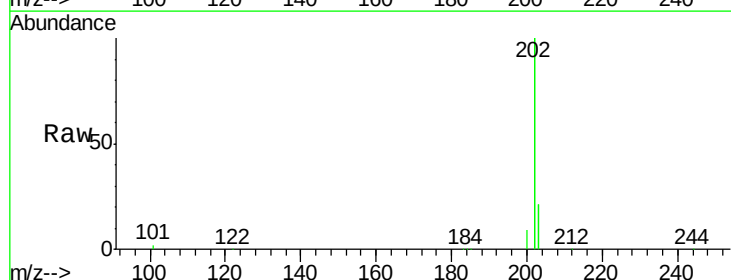
Tgt Ion:202 Resp: 69171

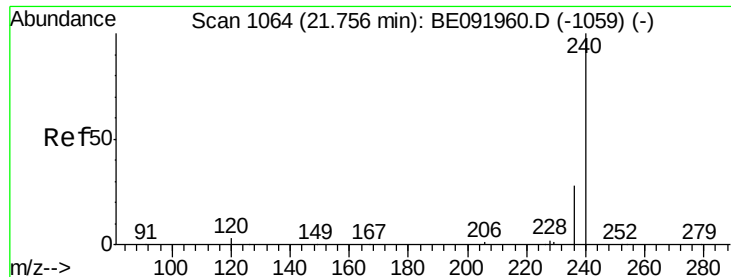
Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

203 18.9 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: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

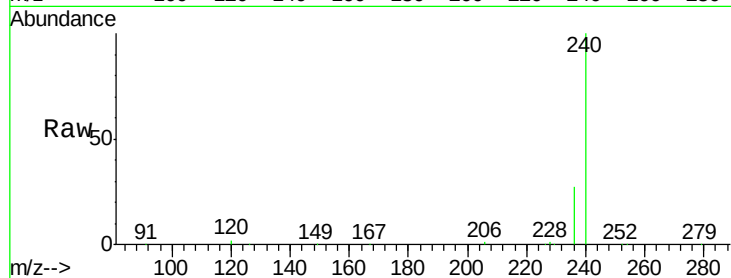
Tgt Ion:240 Resp: 296581

Ion Ratio Lower Upper

240 100

120 1.6 1.2 1.8

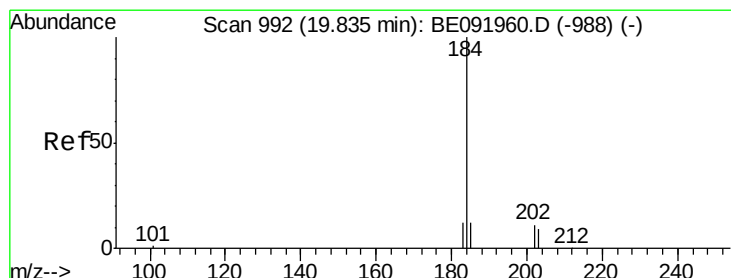
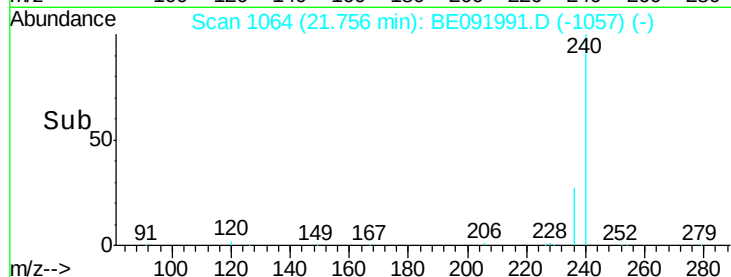
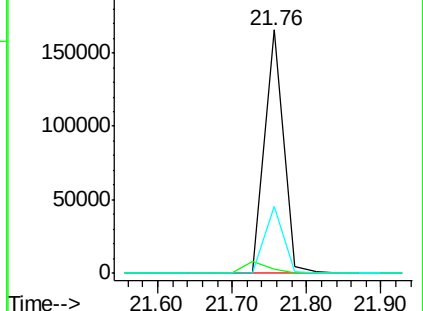
236 27.3 19.8 29.8



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: 0.46 ng

RT: 19.83 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

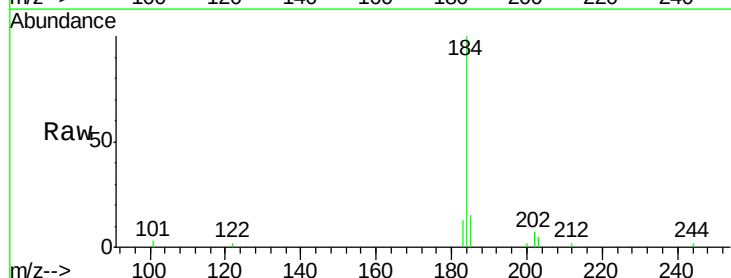
Tgt Ion:184 Resp: 6037

Ion Ratio Lower Upper

184 100

185 15.5 11.4 17.2

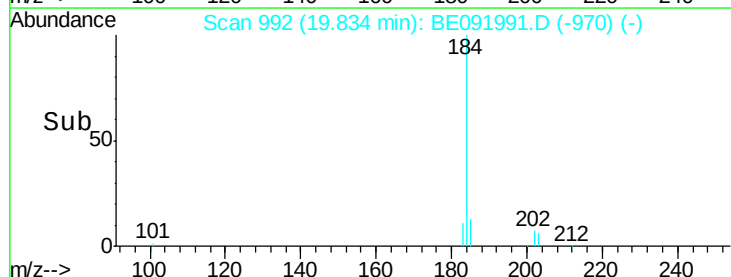
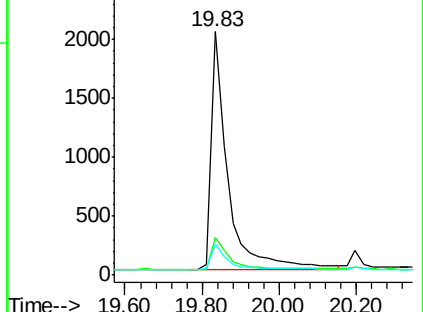
183 13.0 11.8 17.6

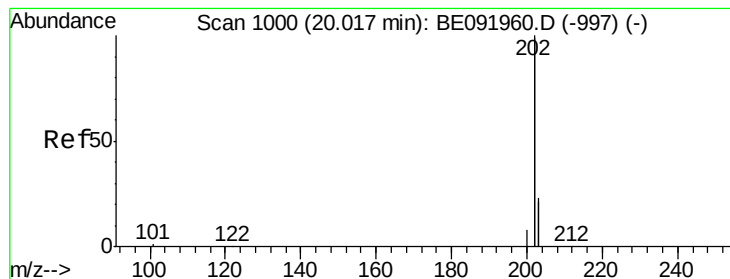


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.33 ng

RT: 20.02 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

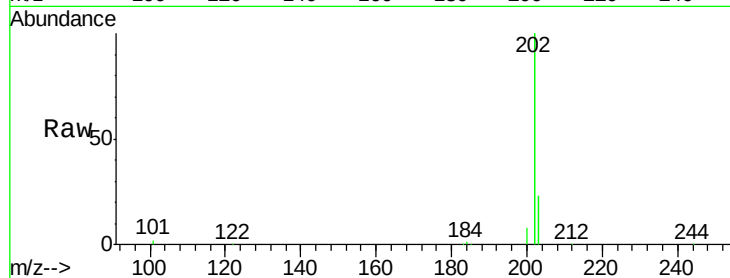
Tgt Ion: 202 Resp: 71214

Ion Ratio Lower Upper

202 100

200 5.2 16.9 25.3#

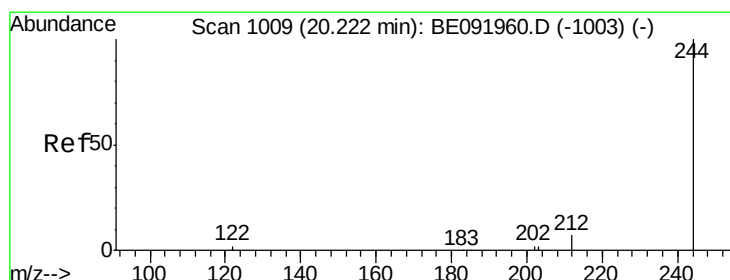
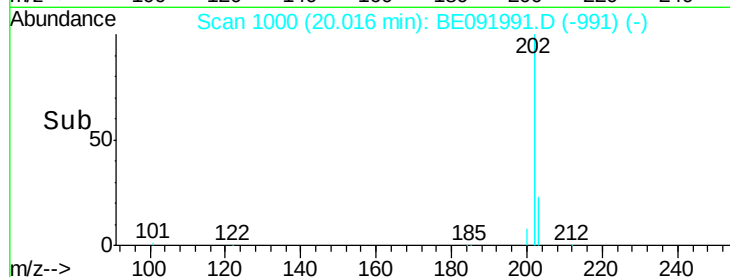
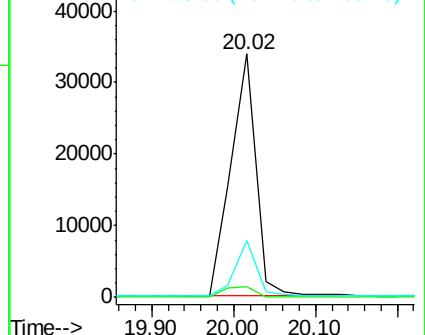
203 18.7 14.1 21.1



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: 0.35 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

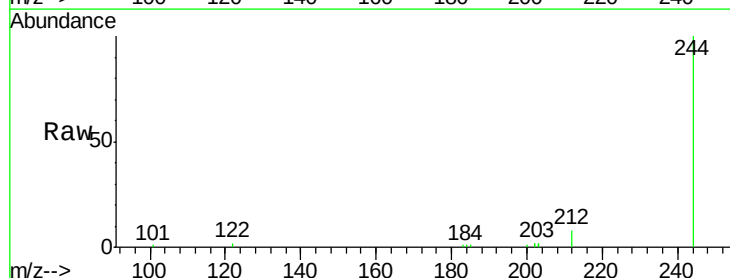
Tgt Ion: 244 Resp: 12262

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

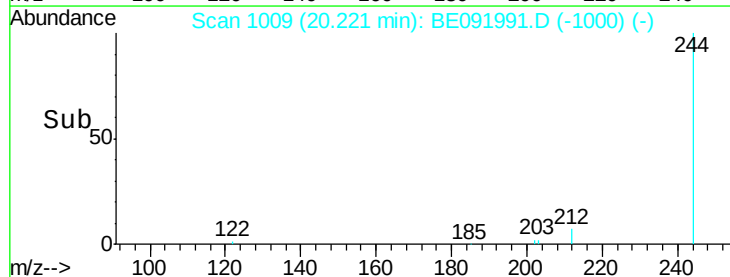
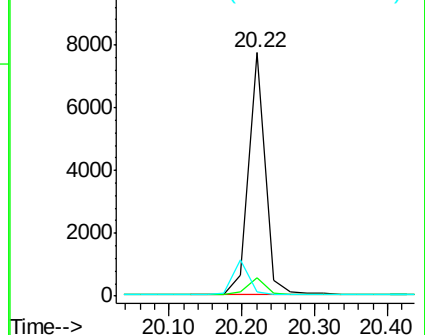
122 1.8 2.9 4.3#

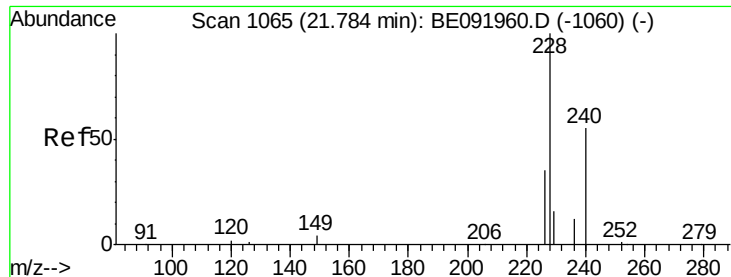


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.91 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

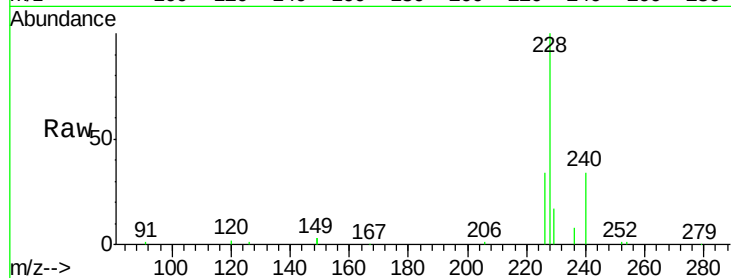
Tgt Ion:228 Resp: 45244

Ion Ratio Lower Upper

228 100

226 33.7 21.0 31.4#

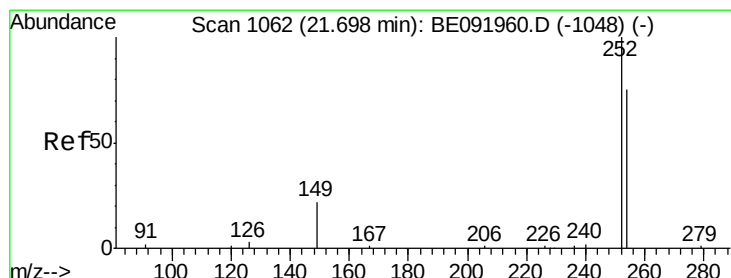
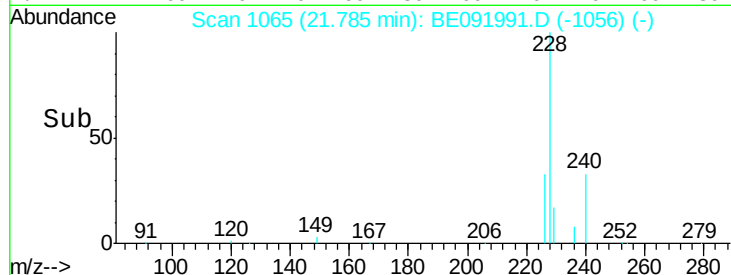
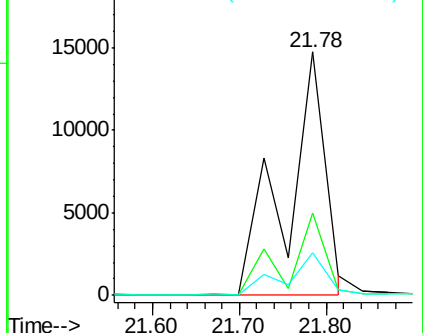
229 17.5 15.8 23.8



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: 0.22 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

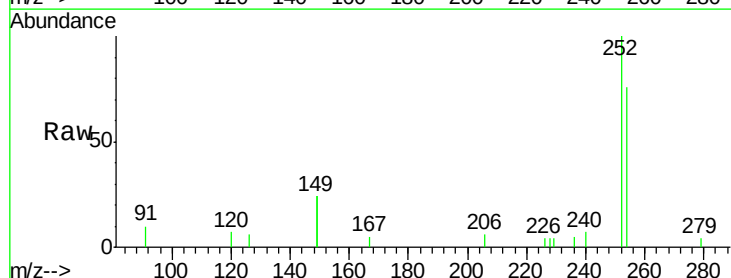
Tgt Ion:252 Resp: 3691

Ion Ratio Lower Upper

252 100

254 76.1 61.5 92.3

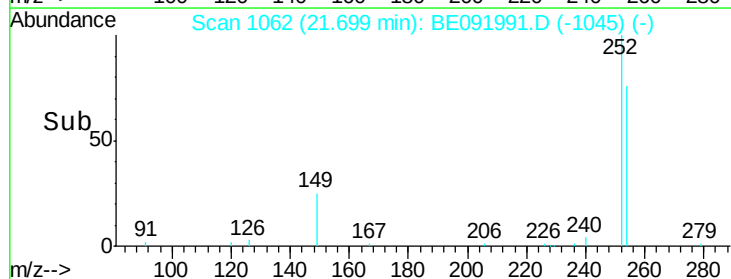
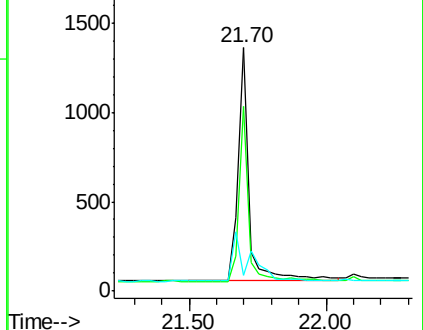
126 6.5 2.5 3.7#

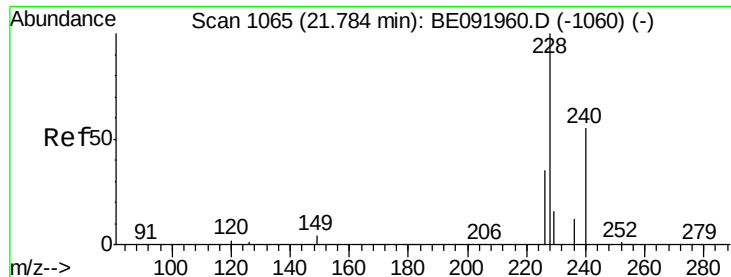


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.65 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

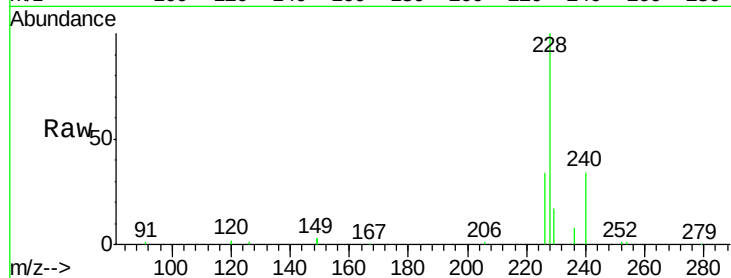
Tgt Ion:228 Resp: 45833

Ion Ratio Lower Upper

228 100

226 33.7 27.0 40.6

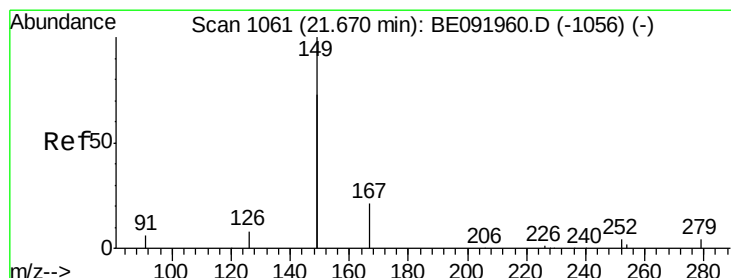
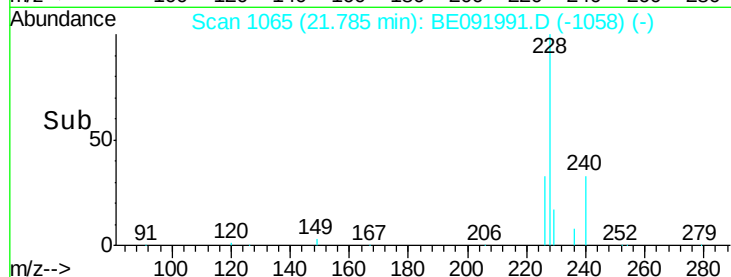
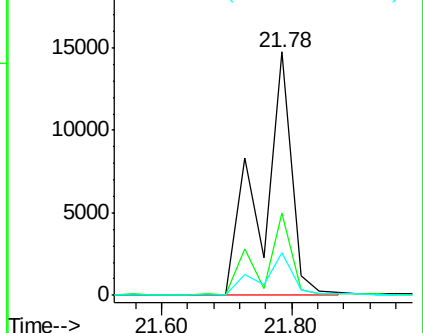
229 17.5 13.8 20.8



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: 0.24 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

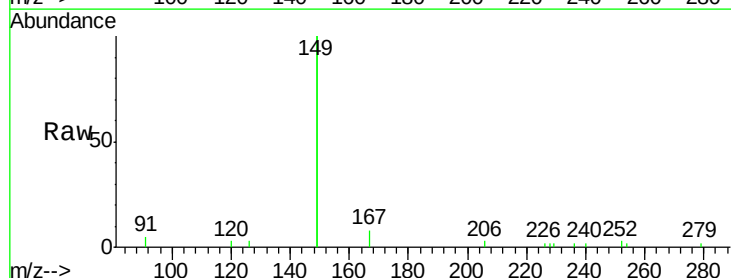
Tgt Ion:149 Resp: 13943

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

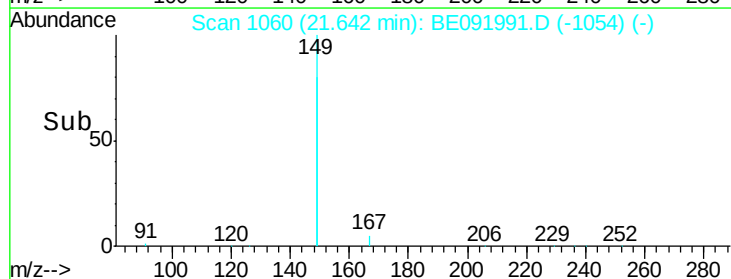
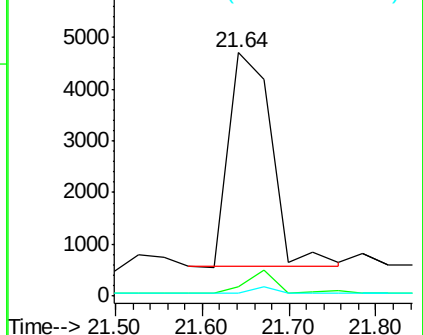
279 0.0 0.0 0.0

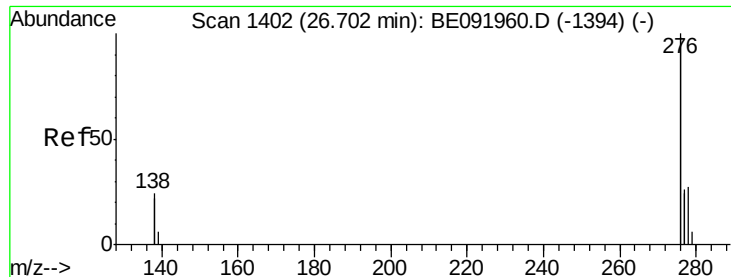


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.32 ng

RT: 26.69 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

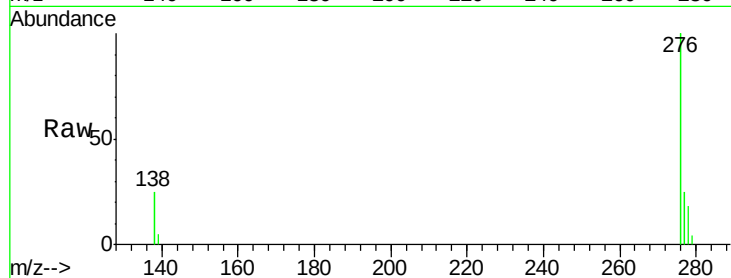
Tgt Ion:276 Resp: 87594

Ion Ratio Lower Upper

276 100

138 26.3 19.7 29.5

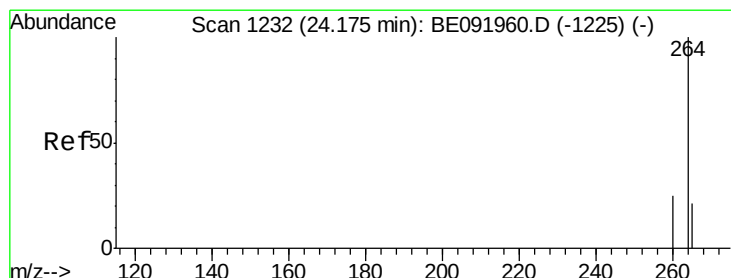
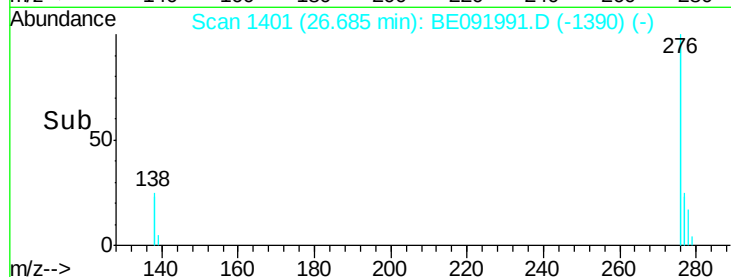
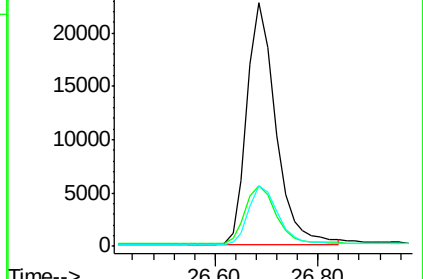
277 24.9 20.1 30.1



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

Perylene-d12

Concen: 5.00 ng

RT: 24.17 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

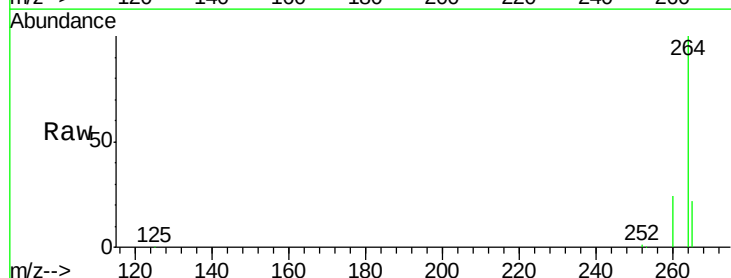
Tgt Ion:264 Resp: 211111

Ion Ratio Lower Upper

264 100

260 24.5 20.3 30.5

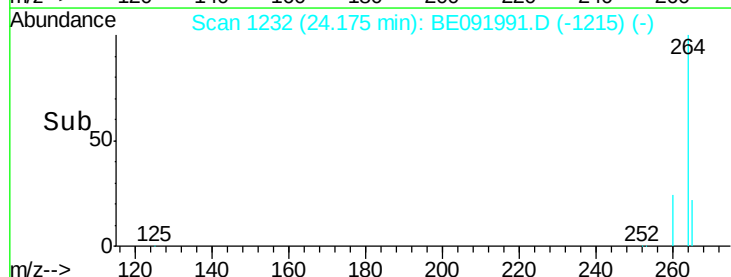
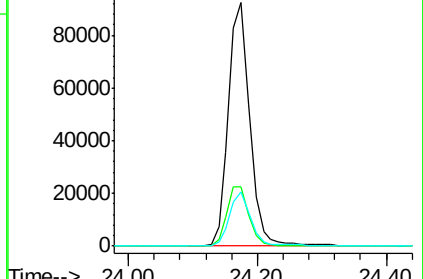
265 22.3 17.6 26.4

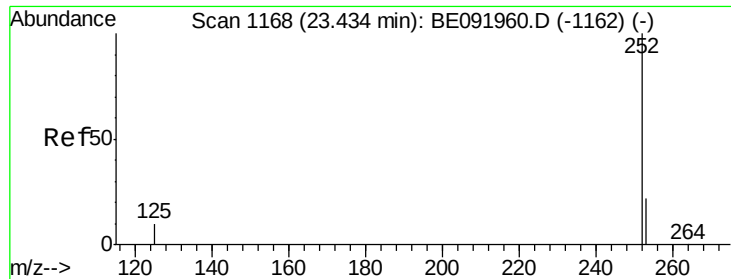


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.39 ng

RT: 23.43 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

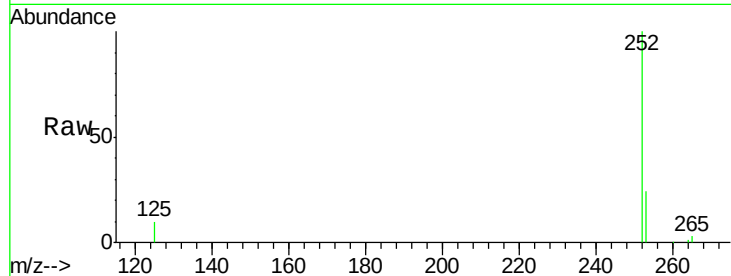
Tgt Ion:252 Resp: 22515

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

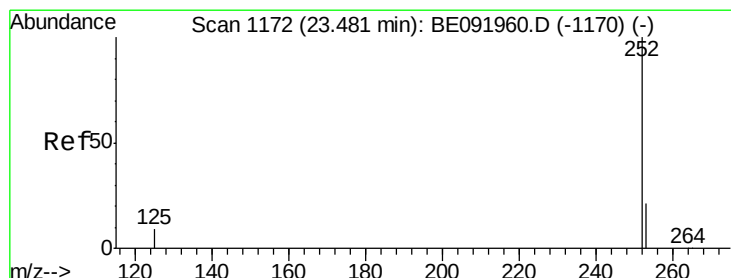
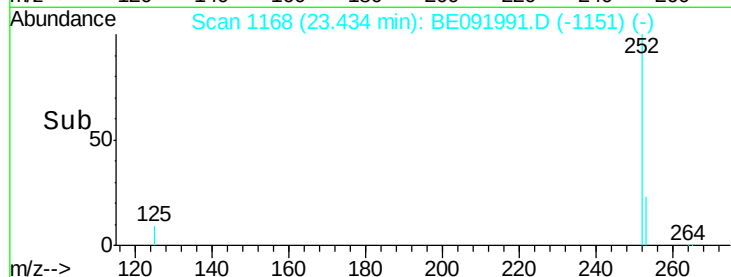
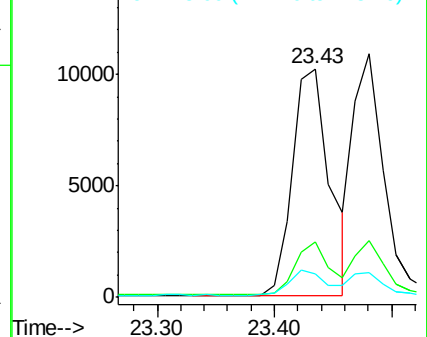
125 10.3 9.4 14.2



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: BE091991.D

Acq: 9 Jul 2016 10:19

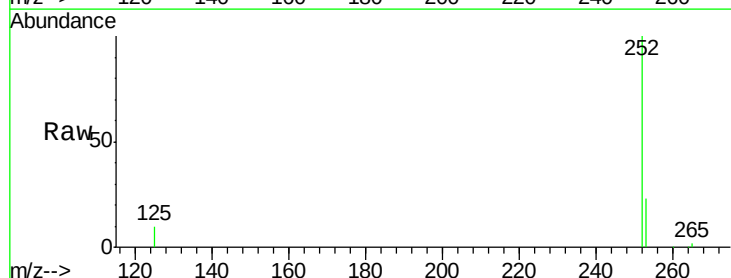
Tgt Ion:252 Resp: 19905

Ion Ratio Lower Upper

252 100

253 23.1 19.4 29.2

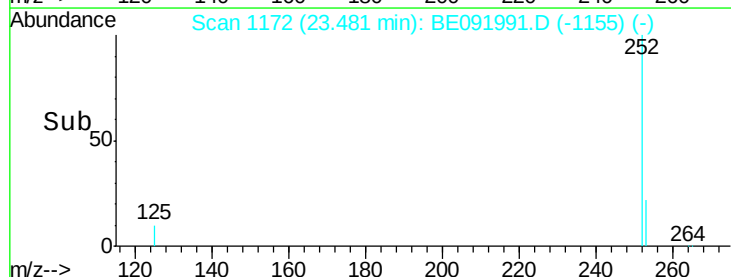
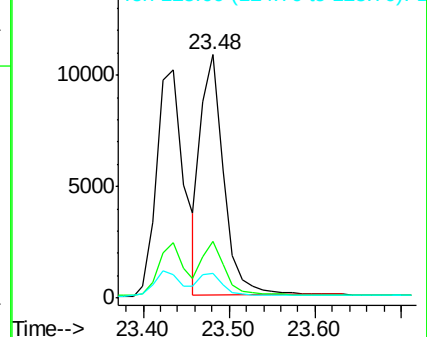
125 10.4 8.3 12.5

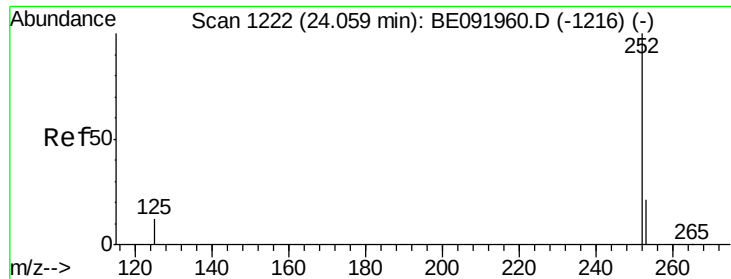


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.35 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

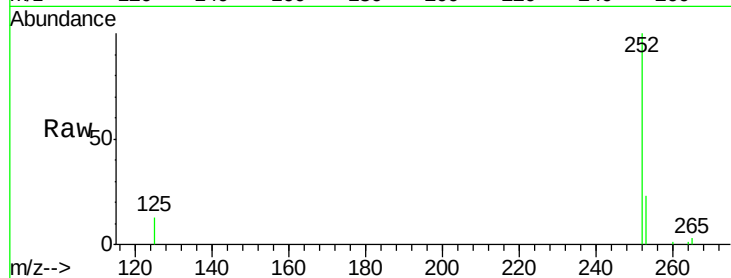
Tgt Ion: 252 Resp: 19535

Ion Ratio Lower Upper

252 100

253 23.1 18.9 28.3

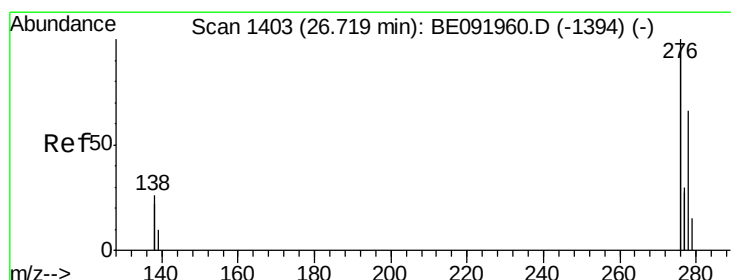
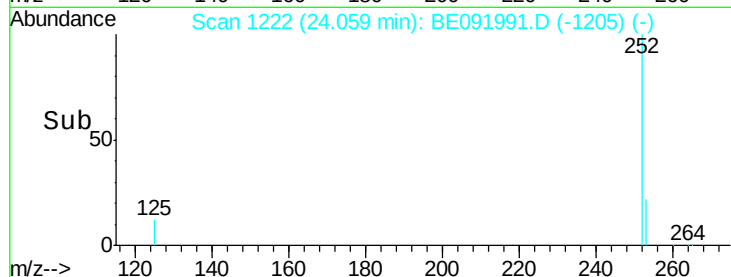
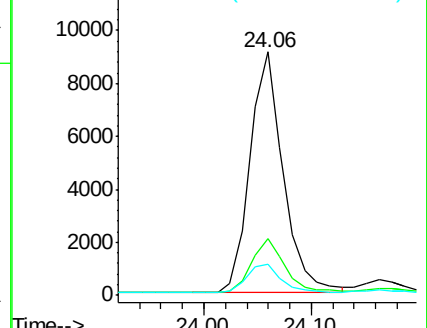
125 12.8 10.5 15.7



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: 0.35 ng

RT: 26.72 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BE091991.D

Acq: 9 Jul 2016 10:19

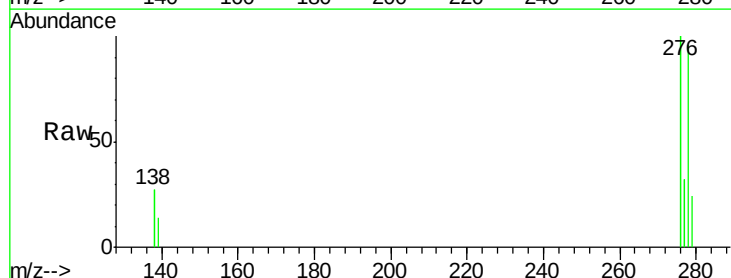
Tgt Ion: 278 Resp: 18003

Ion Ratio Lower Upper

278 100

139 14.8 12.6 18.8

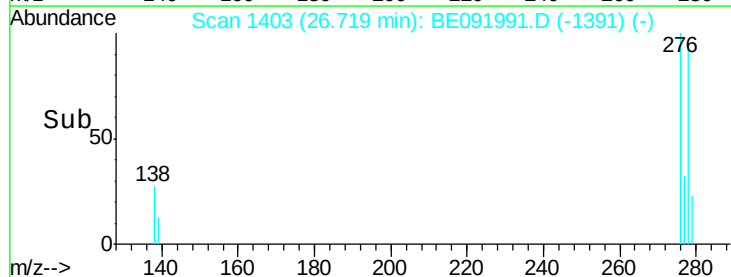
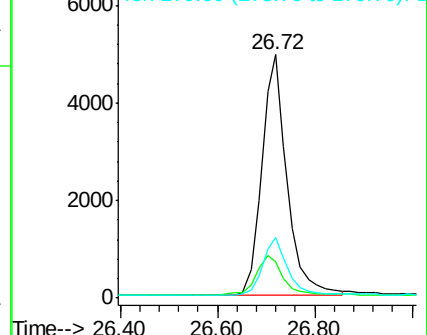
279 24.9 20.0 30.0

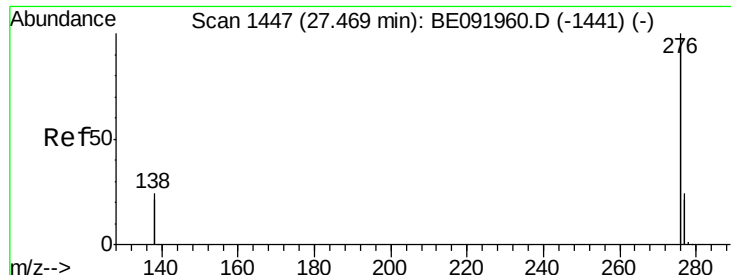


Abundance Ion 278.00 (277.70 to 278.70): E

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: BE091991.D

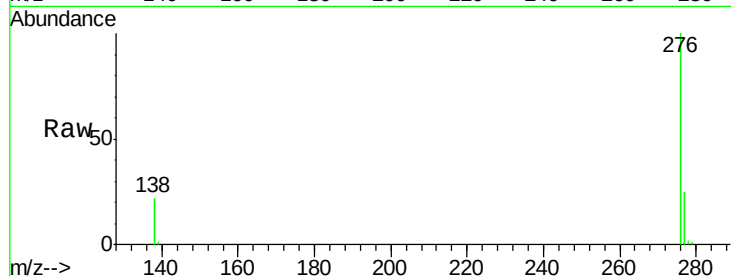
Acq: 9 Jul 2016 10:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4



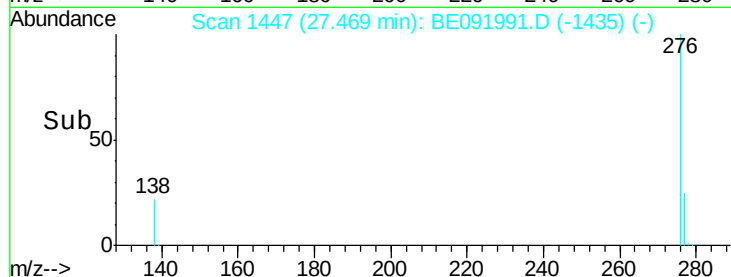
Tgt Ion: 276 Resp: 72633

Ion Ratio Lower Upper

276 100

277 24.8 19.5 29.3

138 22.0 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

