

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061416\
 Data File : BE091913.D
 Acq On : 14 Jun 2016 15:47
 Operator : UM/SJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 14 17:09:43 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 17:07:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	27789	5.00	ng	0.02
8) Naphthalene-d8	11.02	136	120015	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	88066	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	185502	5.00	ng	0.00
31) Chrysene-d12	21.76	240	309029	5.00	ng	0.00
40) Perylene-d12	24.17	264	226662	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	4558	0.77	ng	-0.02
5) Phenol-d6	7.37	99	5876	0.80	ng	0.00
9) Nitrobenzene-d5	9.37	82	7108	0.88	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	1577	0.63	ng	-0.02
17) 2-Fluorobiphenyl	13.49	172	19137	0.72	ng	0.00
34) Terphenyl-d14	20.22	244	32004	0.58	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.47	88	3299	0.76	ng	96
3) n-Nitrosodimethylamine	3.82	42	4014	0.86	ng	# 82
6) bis(2-Chloroethyl)ether	7.63	93	6764	0.85	ng	95
7) n-Nitroso-di-n-propylamine	9.02	70	5242	0.83	ng	# 99
10) Nitrobenzene	9.42	77	7361	1.01	ng	# 99
11) bis(2-Chloroethoxy)methane	10.42	93	9449	0.78	ng	# 19
12) Naphthalene	11.04	128	22545	0.87	ng	# 93
13) Hexachlorobutadiene	11.34	225	3716	0.96	ng	98
14) 2-Methylnaphthalene	12.68	142	15321	0.92	ng	96
18) Acenaphthylene	14.59	152	71394	1.79	ng	# 68
19) 2,6-Dinitrotoluene	14.44	165	11339	2.68	ng	90
20) Acenaphthene	14.92	154	20648	0.85	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	13753	2.74	ng	# 1
22) Fluorene	15.91	166	20538	0.69	ng	98
23) 4-Chlorophenyl-phenylether	15.91	204	10339	0.71	ng	95
25) 4-Bromophenyl-phenylether	16.80	248	6178	0.93	ng	97
26) Hexachlorobenzene	16.92	284	6366	0.93	ng	98
27) Pentachlorophenol	17.26	266	1579	0.61	ng	96
28) Phenanthrene	17.64	178	40289	0.94	ng	100
29) Anthracene	17.73	178	35219	0.92	ng	99
30) Fluoranthene	19.65	202	170314	3.67	ng	# 87
32) Benzidine	19.83	184	9327	0.45	ng	# 96
33) Pyrene	20.02	202	173073	2.22	ng	# 74
35) Benzo(a)anthracene	21.79	228	105525	0.24	ng	# 90
36) 3,3'-Dichlorobenzidine	21.70	252	5899	0.27	ng	# 96
37) Chrysene	21.79	228	106640	0.34	ng	99
38) Bis(2-ethylhexyl)phthalate	21.64	149	27946	0.63	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	201426	2.14	ng	98
41) Benzo(b)fluoranthene	23.42	252	52577	0.95	ng	98
42) Benzo(k)fluoranthene	23.48	252	44679	0.78	ng	97
43) Benzo(a)pyrene	24.06	252	44177	0.85	ng	97
44) Dibenzo(a,h)anthracene	26.70	278	42107	0.87	ng	96
45) Benzo(a,h,i)perylene	27.45	276	172397	3.40	ng	98

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Quant Time: Jun 14 17:09:43 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 14 17:07:26 2016
Response via : Initial Calibration

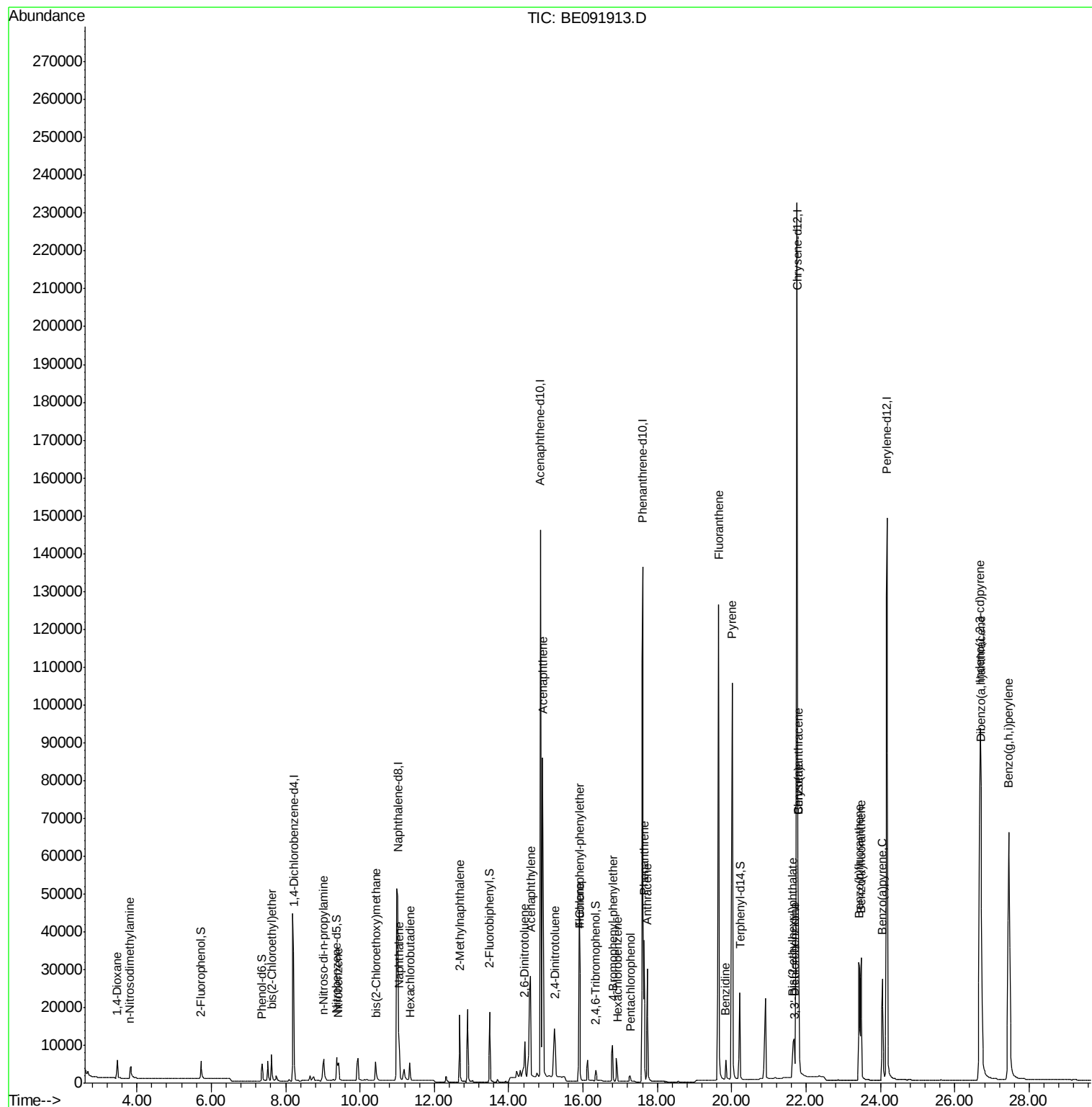
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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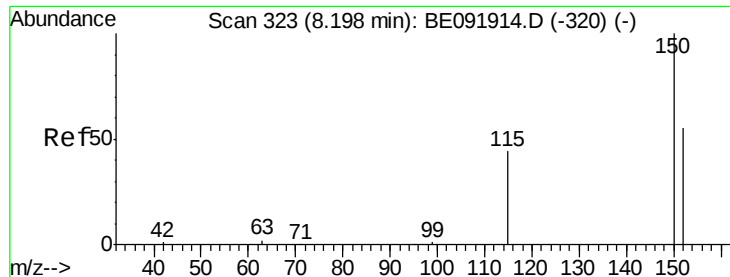
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.22 min Scan# 324

Delta R.T. 0.02 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampleId :

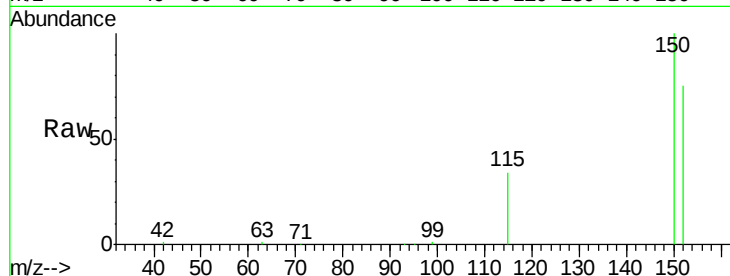
Tot Ion:152 Resp: 27789

Ion Ratio Lower Upper

152 100

150 133.1 123.9 185.9

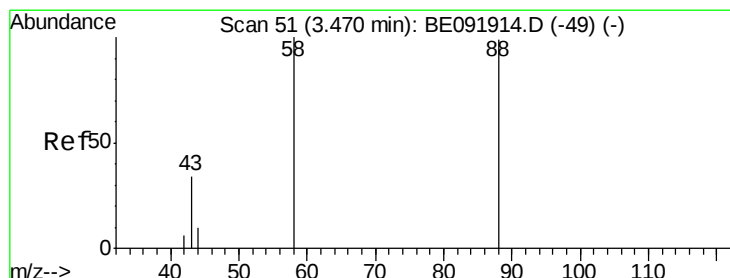
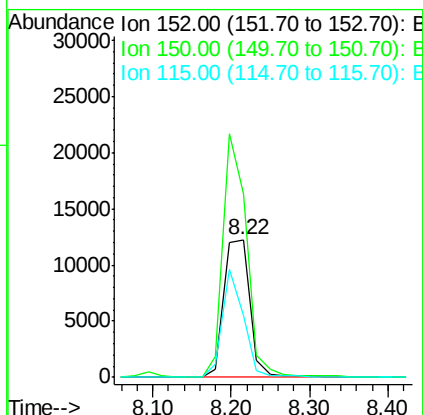
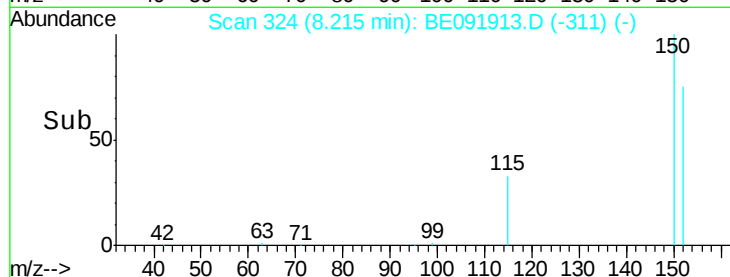
115 44.8 48.3 72.5#



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: 0.76 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

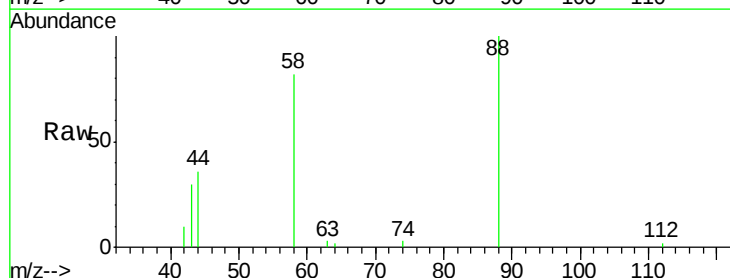
Tgt Ion: 88 Resp: 3299

Ion Ratio Lower Upper

88 100

58 83.1 63.0 94.4

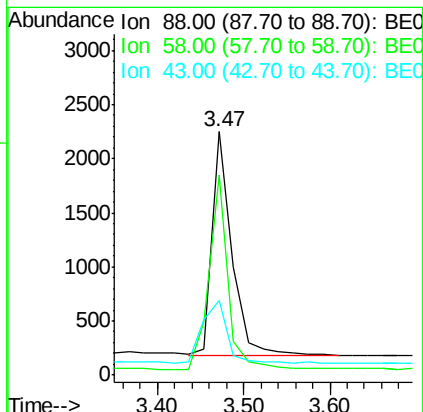
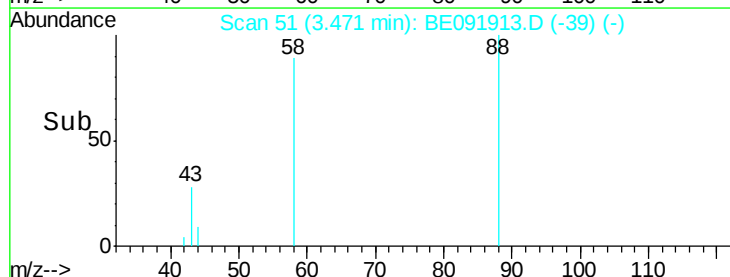
43 34.8 29.1 43.7

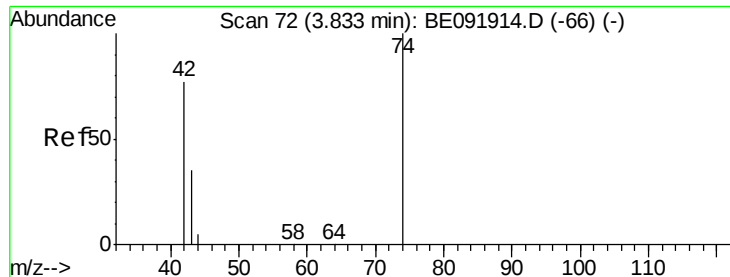


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



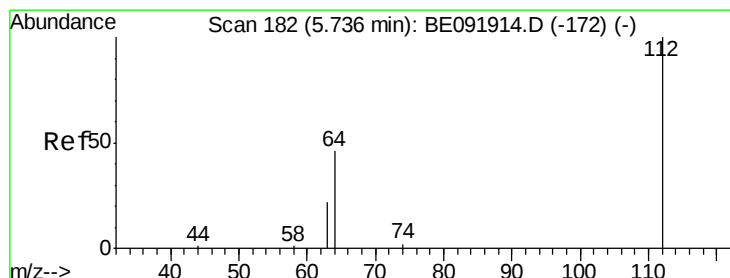
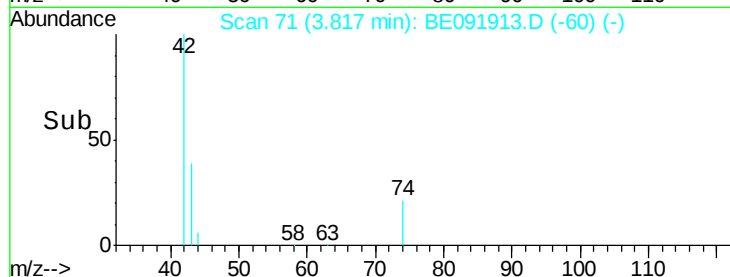
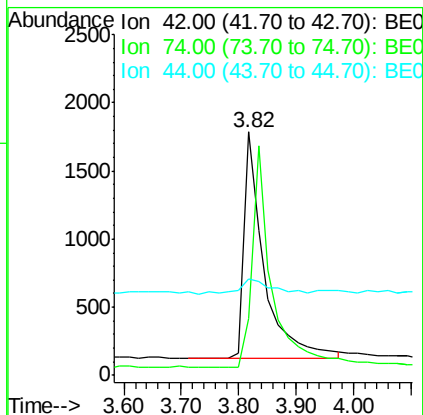
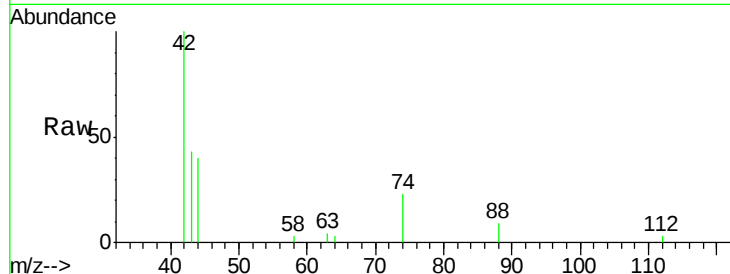


#3

n-Nitrosodimethylamine
 Concen: 0.86 ng
 RT: 3.82 min Scan# 71
 Delta R.T. -0.02 min
 Lab File: BE091913.D
 Acq: 14 Jun 2016 15:47

Instrument :
 BNA_E
 ClientSampleId :

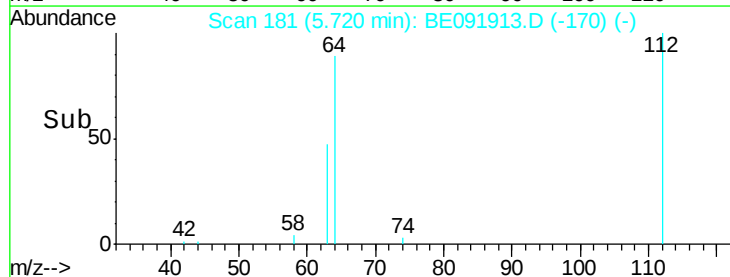
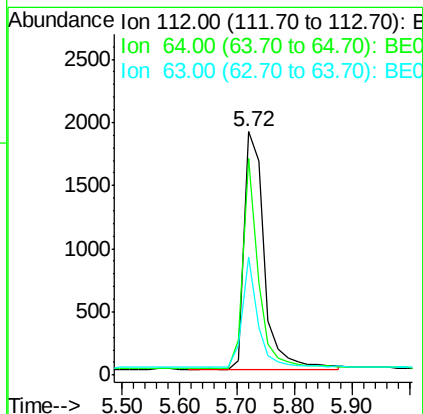
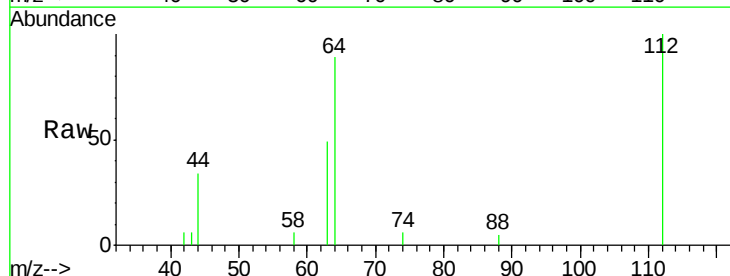
Tot Ion	42	Resp	4014
Ion Ratio	Lower	Upper	
42	100		
74	96.2	93.4	140.0
44	10.0	5.0	7.6#

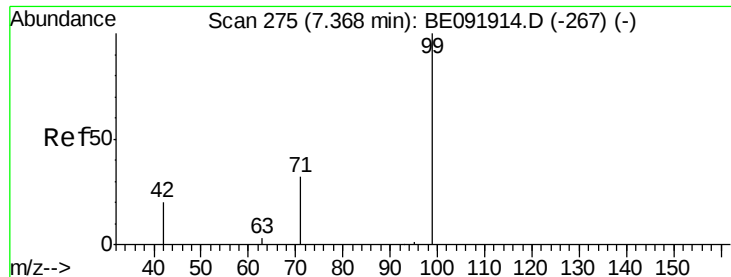


#4

2-Fluorophenol
 Concen: 0.77 ng
 RT: 5.72 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: BE091913.D
 Acq: 14 Jun 2016 15:47

Tgt Ion	112	Resp	4558
Ion Ratio	Lower	Upper	
112	100		
64	68.6	53.7	80.5
63	35.9	29.5	44.3





#5

Phenol-d6

Concen: 0.80 ng

RT: 7.37 min Scan# 275

Delta R.T. -0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampleId :

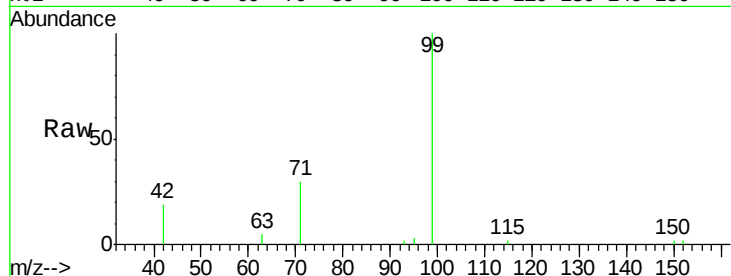
Tot Ion: 99 Resp: 5876

Ion Ratio Lower Upper

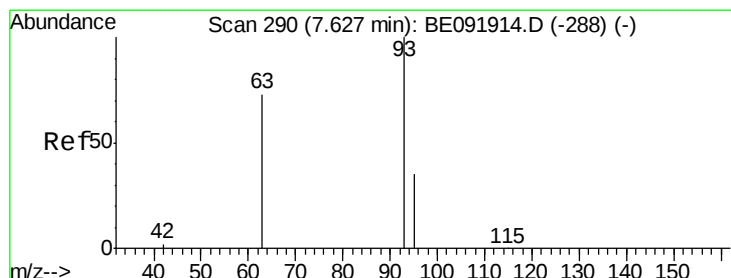
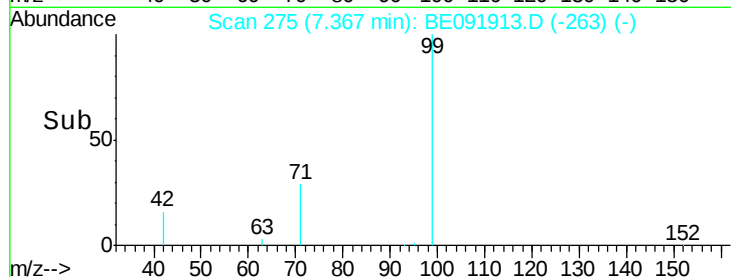
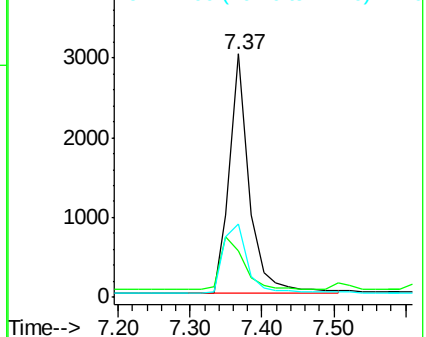
99 100

42 26.5 19.6 29.4

71 35.8 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: 0.85 ng

RT: 7.63 min Scan# 290

Delta R.T. -0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

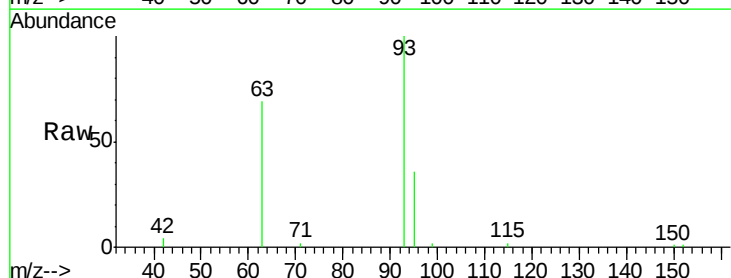
Tgt Ion: 93 Resp: 6764

Ion Ratio Lower Upper

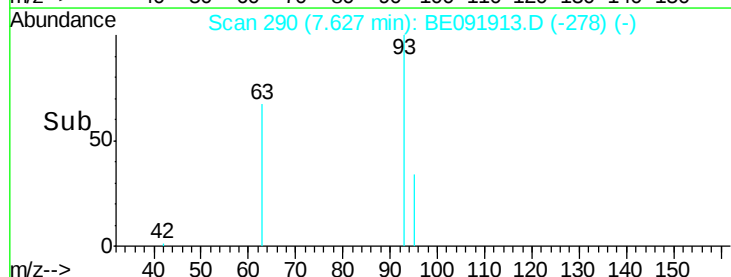
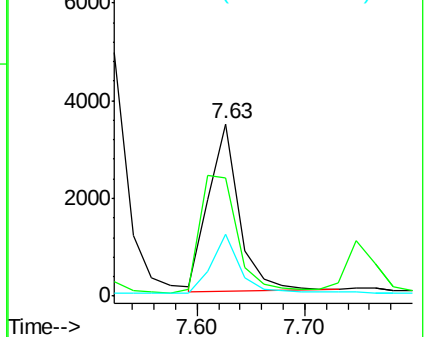
93 100

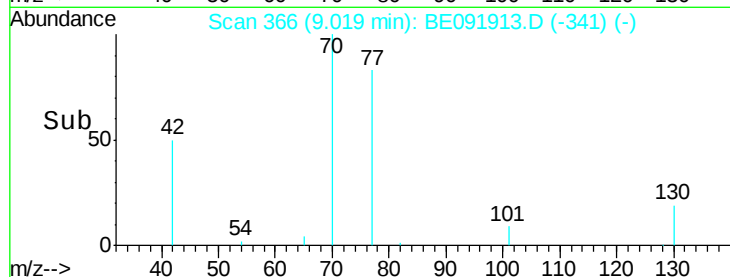
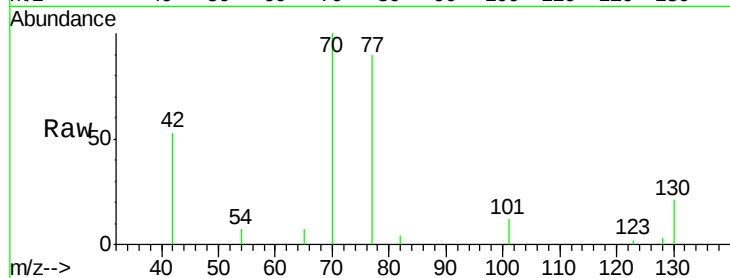
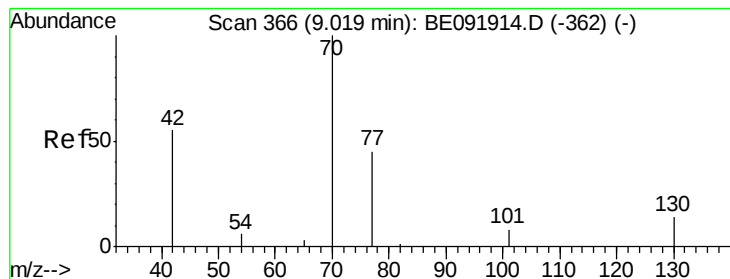
63 87.6 66.2 99.4

95 34.0 25.5 38.3



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.83 ng

RT: 9.02 min Scan# 366

Delta R.T. 0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 5242

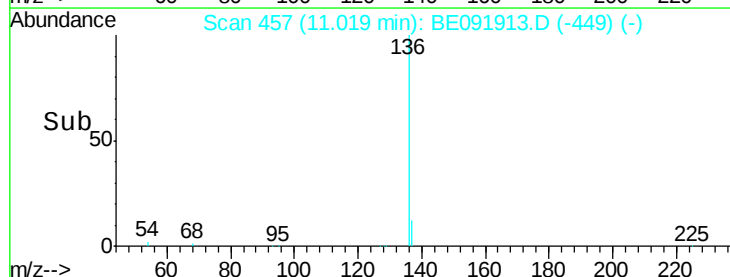
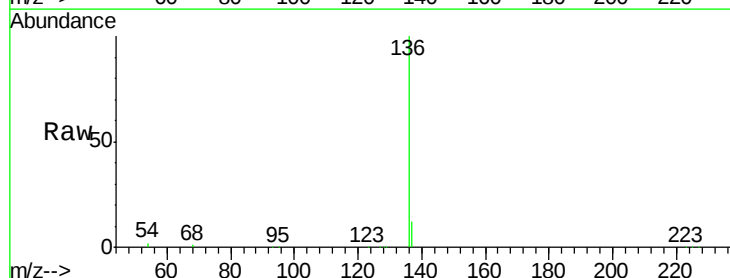
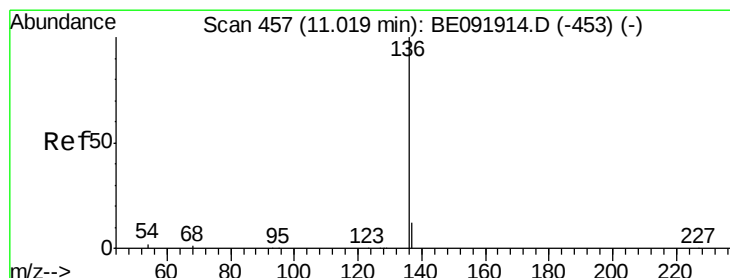
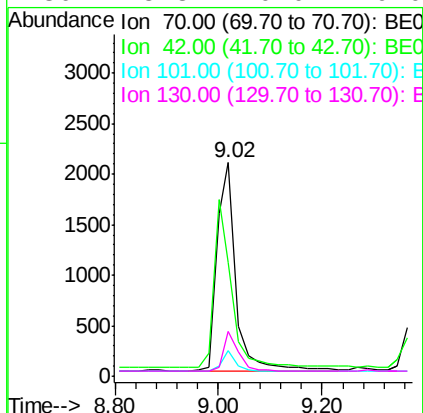
Ion Ratio Lower Upper

70 100

42 74.0 58.4 87.6

101 7.9 6.4 9.6

130 15.8 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Tgt Ion: 136 Resp: 120015

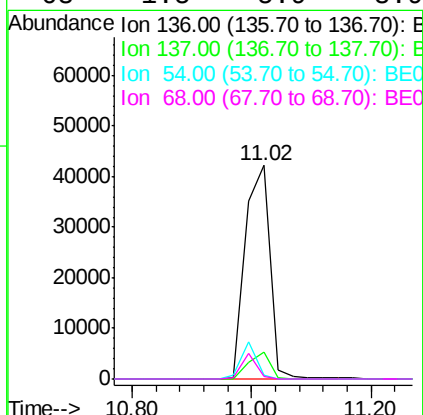
Ion Ratio Lower Upper

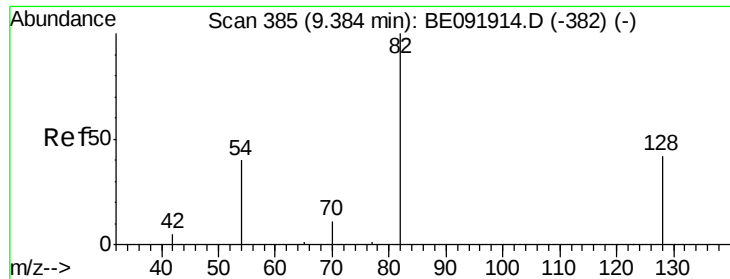
136 100

137 12.5 8.3 12.5#

54 1.7 8.2 12.4#

68 1.5 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 0.88 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampleId :

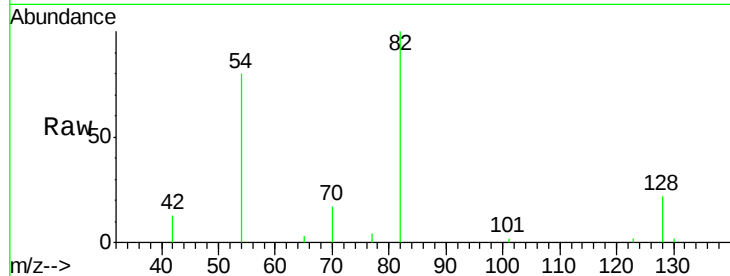
Tot Ion: 82 Resp: 7108

Ion Ratio Lower Upper

82 100

128 21.7 39.5 59.3#

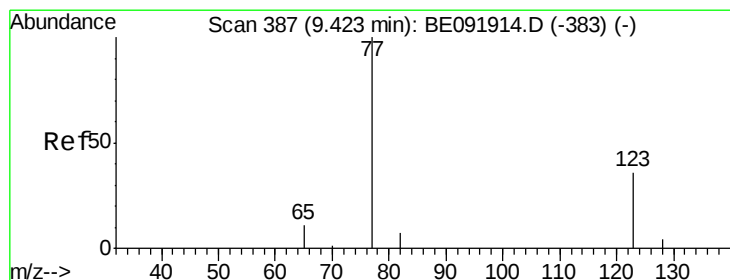
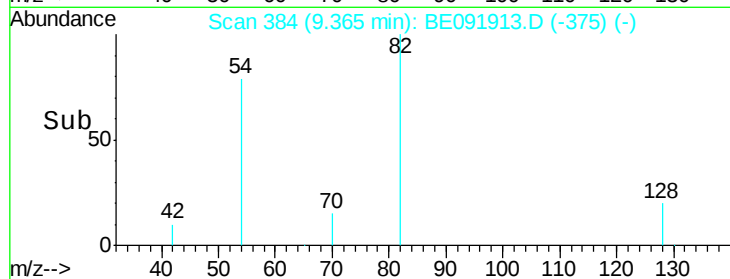
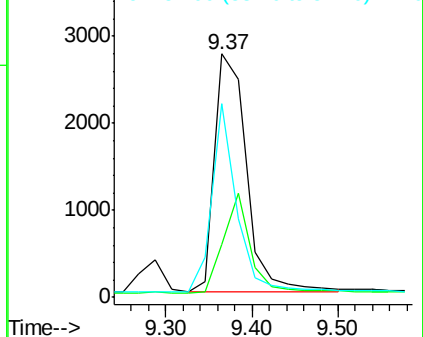
54 79.8 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE091913.D (-375) (-)

Ion 128.00 (127.70 to 128.70): BE091913.D (-375) (-)

Ion 54.00 (53.70 to 54.70): BE091913.D (-375) (-)



#10

Nitrobenzene

Concen: 1.01 ng

RT: 9.42 min Scan# 387

Delta R.T. 0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

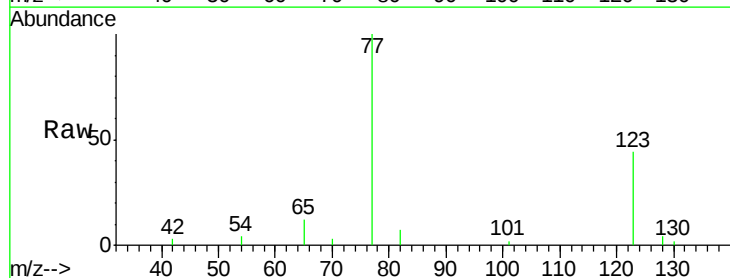
Tgt Ion: 77 Resp: 7361

Ion Ratio Lower Upper

77 100

123 37.0 0.0 0.0#

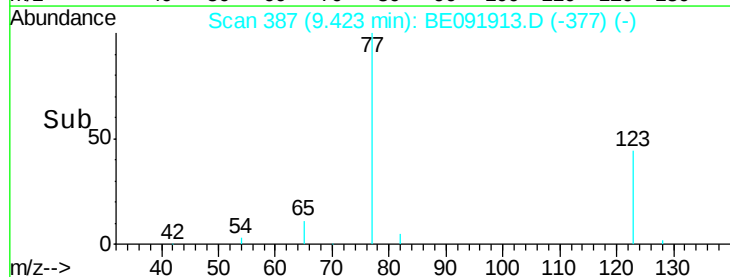
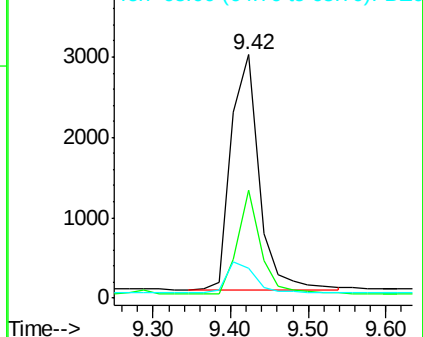
65 13.4 11.1 16.7

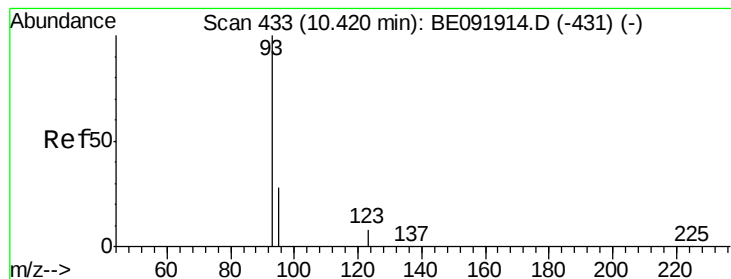


Abundance Ion 77.00 (76.70 to 77.70): BE091913.D (-377) (-)

Ion 123.00 (122.70 to 123.70): BE091913.D (-377) (-)

Ion 65.00 (64.70 to 65.70): BE091913.D (-377) (-)





#11

bis(2-Chloroethoxy)methane

Concen: 0.78 ng

RT: 10.42 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampleId :

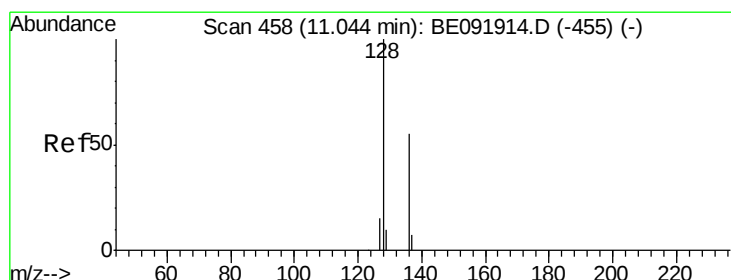
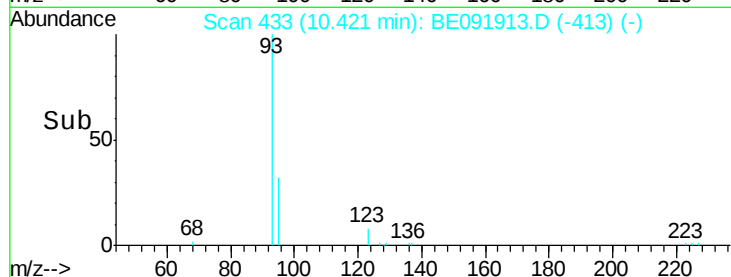
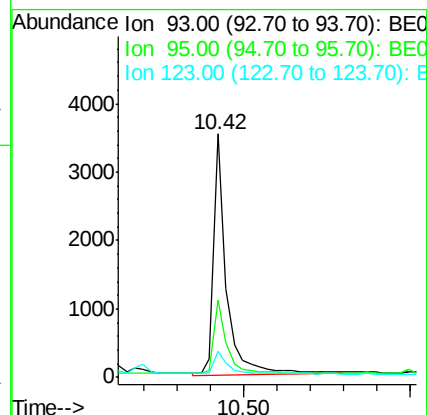
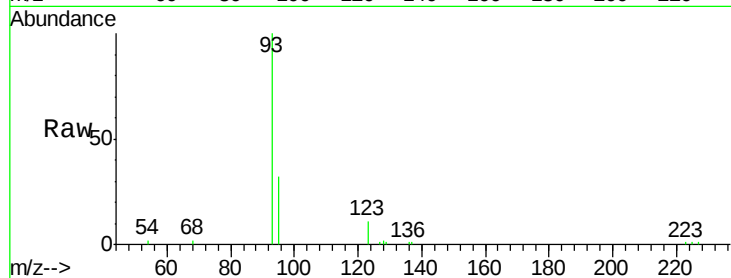
Tot Ion: 93 Resp: 9449

Ion Ratio Lower Upper

93 100

95 34.8 57.6 86.4#

123 9.9 100.2 150.4#



#12

Naphthalene

Concen: 0.87 ng

RT: 11.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

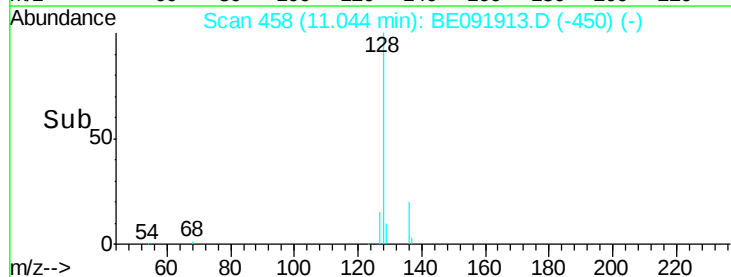
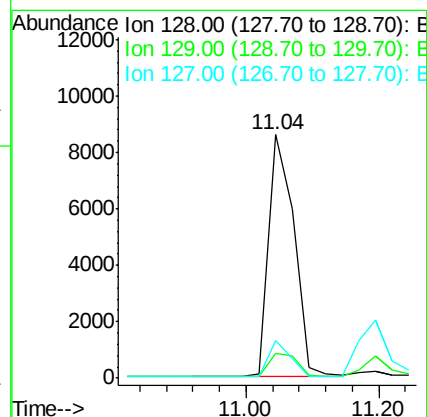
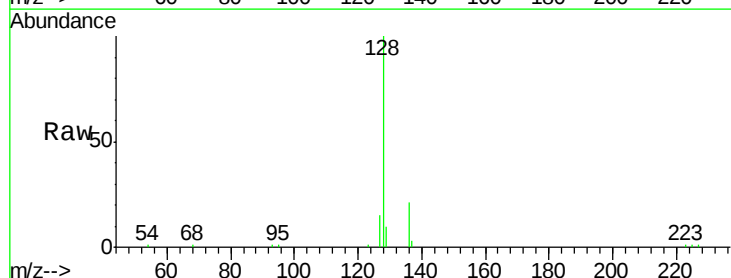
Tgt Ion: 128 Resp: 22545

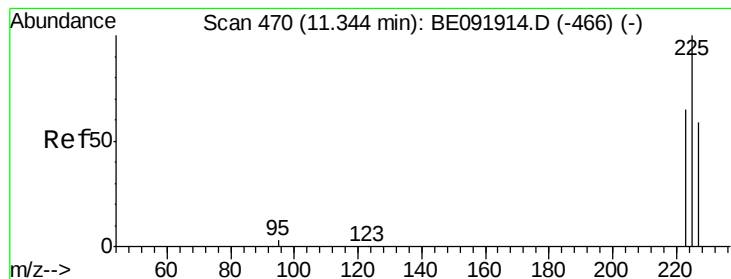
Ion Ratio Lower Upper

128 100

129 10.3 10.4 15.6#

127 15.3 10.2 15.2#





#13

Hexachlorobutadiene

Concen: 0.96 ng

RT: 11.34 min Scan# 470

Delta R.T. 0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampled :

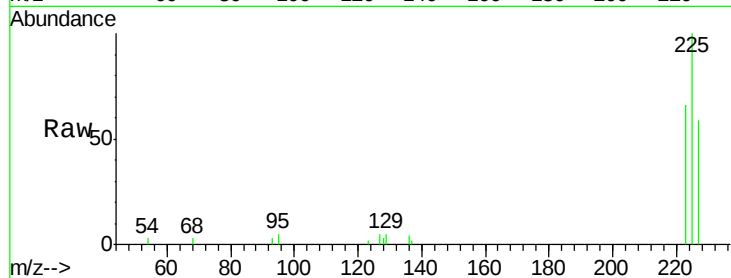
Tot Ion:225 Resp: 3716

Ion Ratio Lower Upper

225 100

223 64.0 49.8 74.8

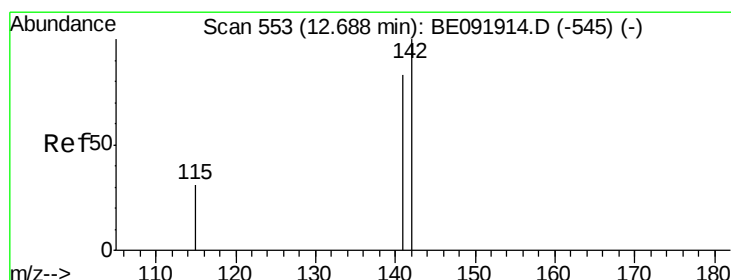
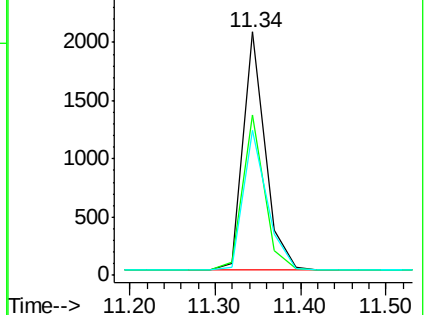
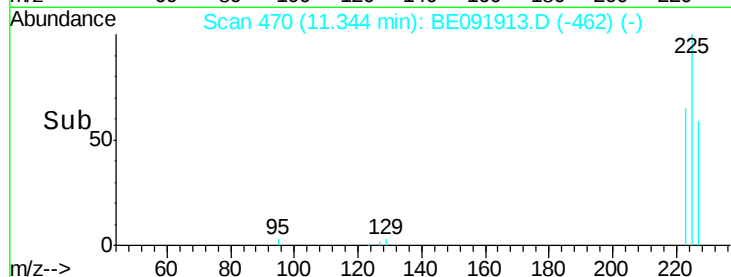
227 62.3 50.6 75.8



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: 0.92 ng

RT: 12.68 min Scan# 552

Delta R.T. -0.01 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

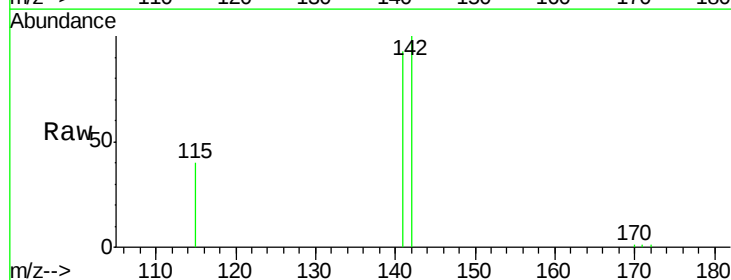
Tgt Ion:142 Resp: 15321

Ion Ratio Lower Upper

142 100

141 93.4 71.9 107.9

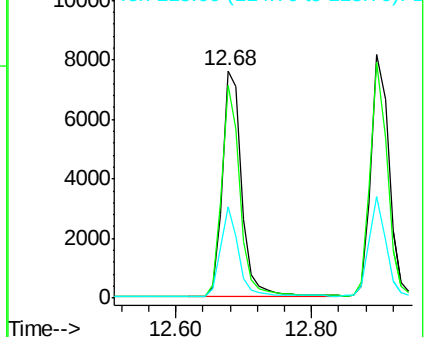
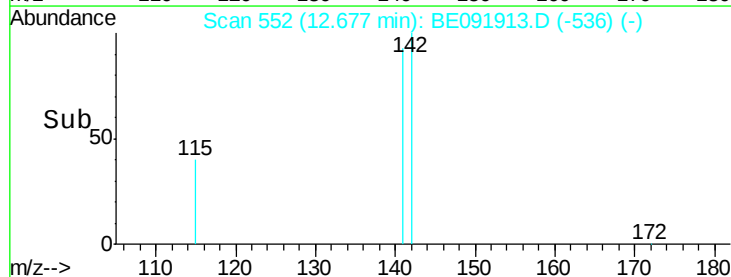
115 40.2 29.9 44.9

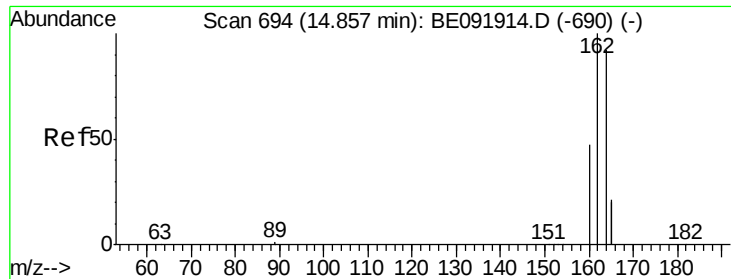


Abundance Ion 142.00 (141.70 to 142.70): E

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: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampleId :

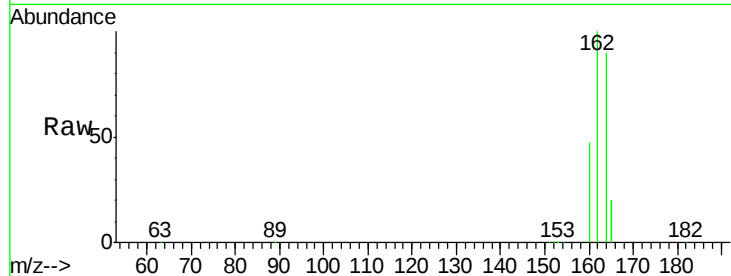
Tot Ion:164 Resp: 88066

Ion Ratio Lower Upper

164 100

162 111.1 71.8 107.8#

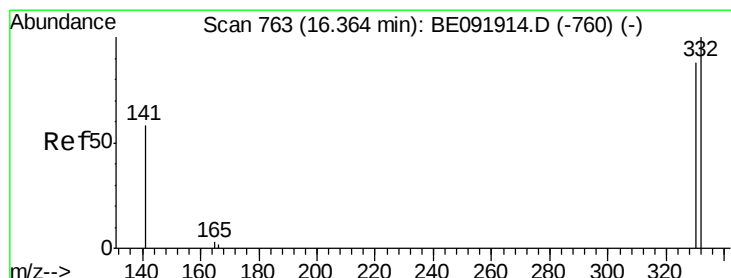
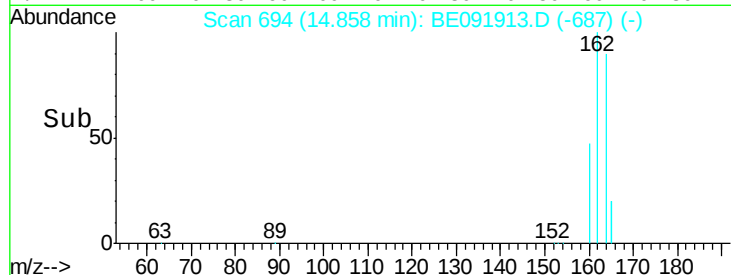
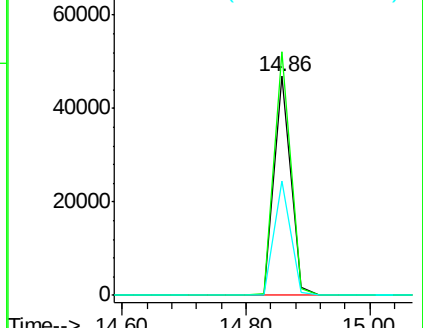
160 52.0 28.0 42.0#



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: 0.63 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.02 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

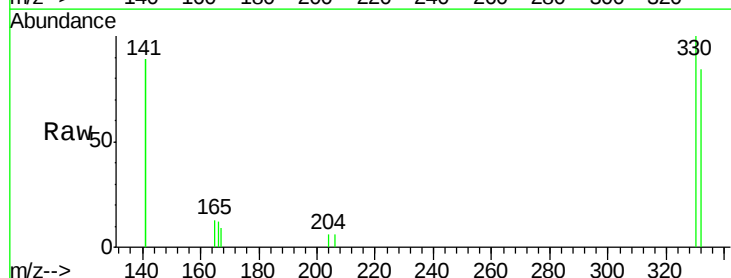
Tgt Ion:330 Resp: 1577

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

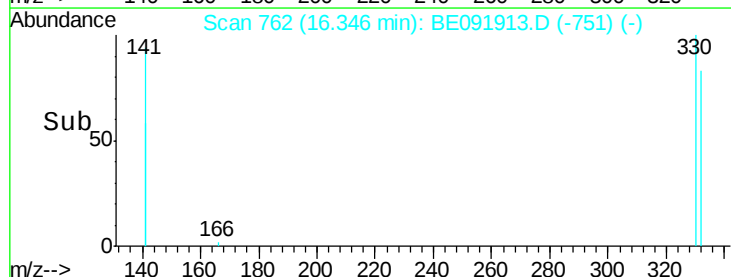
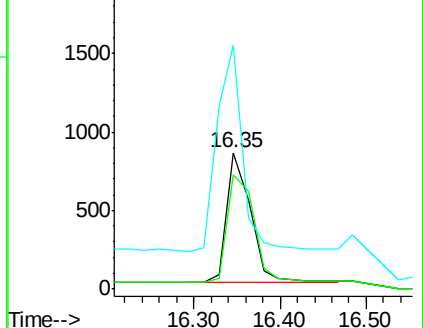
141 170.4 138.4 207.6

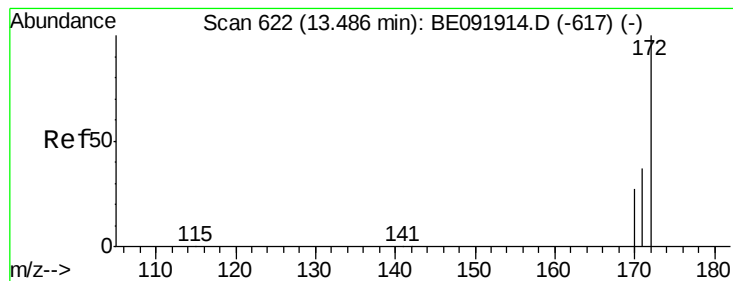


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

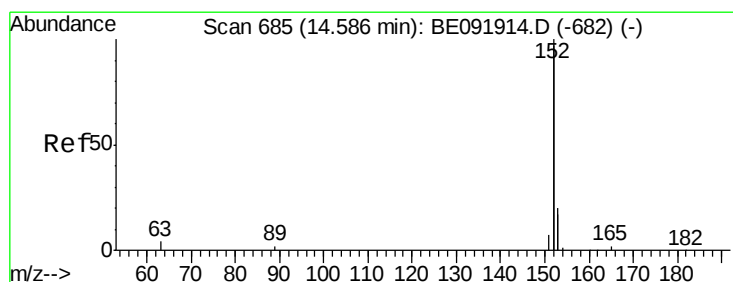
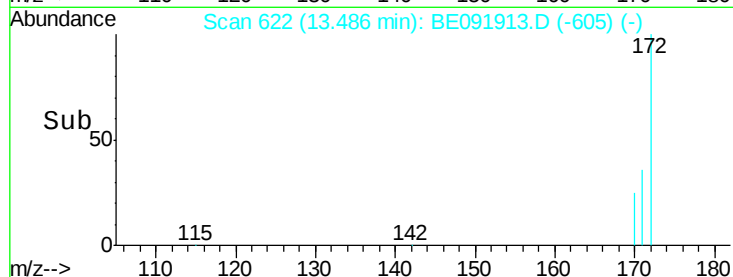
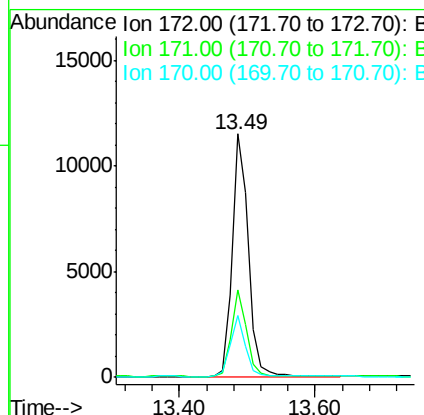
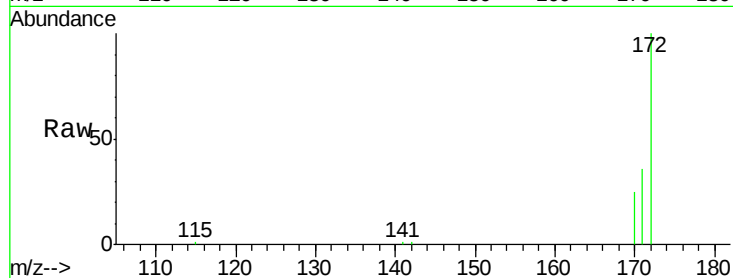




#17
2-Fluorobiphenyl
Concen: 0.72 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091913.D
Acq: 14 Jun 2016 15:47

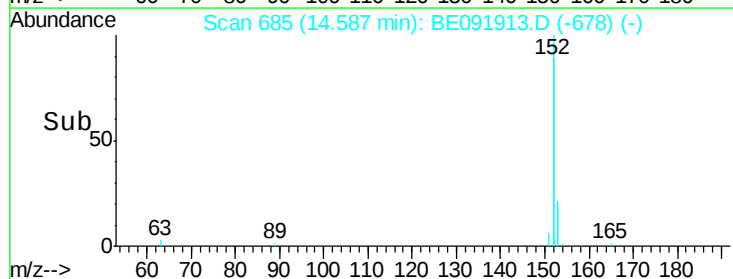
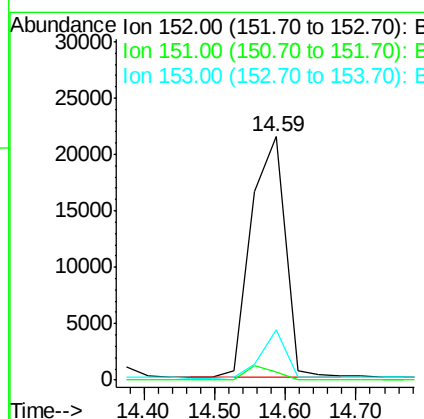
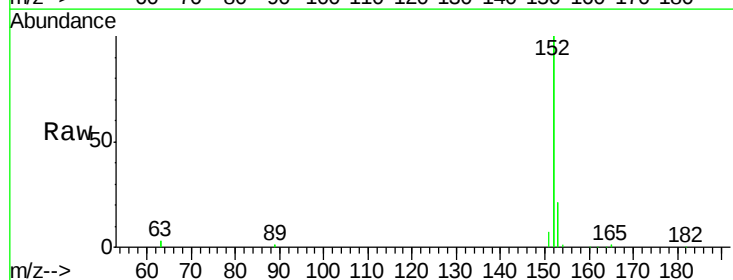
Instrument :
BNA_E
ClientSampleId :

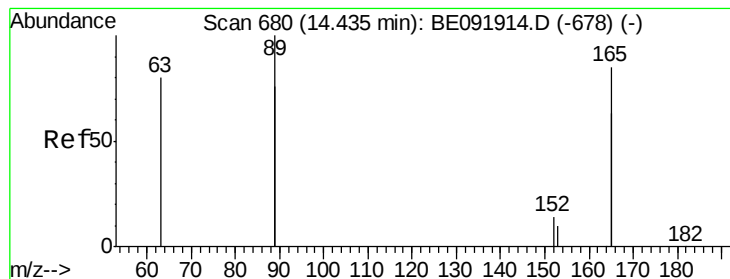
Tot Ion:172 Resp: 19137
Ion Ratio Lower Upper
172 100
171 36.0 24.3 36.5
170 25.2 14.9 22.3#



#18
Acenaphthylene
Concen: 1.79 ng
RT: 14.59 min Scan# 685
Delta R.T. 0.00 min
Lab File: BE091913.D
Acq: 14 Jun 2016 15:47

Tgt Ion:152 Resp: 71394
Ion Ratio Lower Upper
152 100
151 0.0 19.4 29.2#
153 14.4 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 2.68 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampleId :

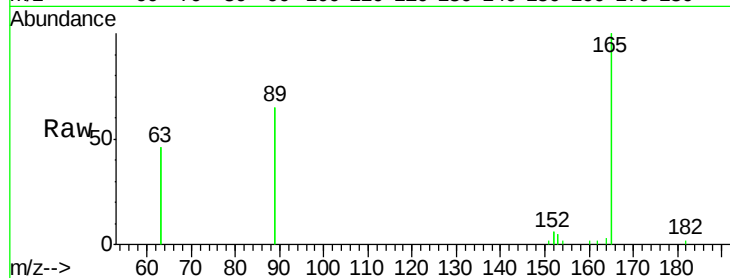
Tot Ion:165 Resp: 11339

Ion Ratio Lower Upper

165 100

63 86.8 65.9 98.9

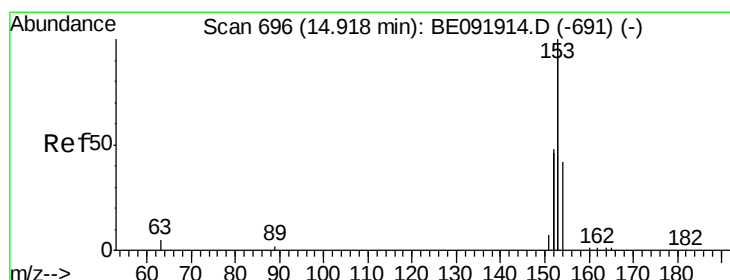
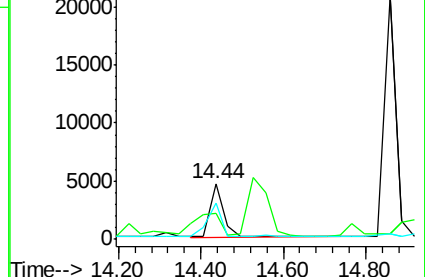
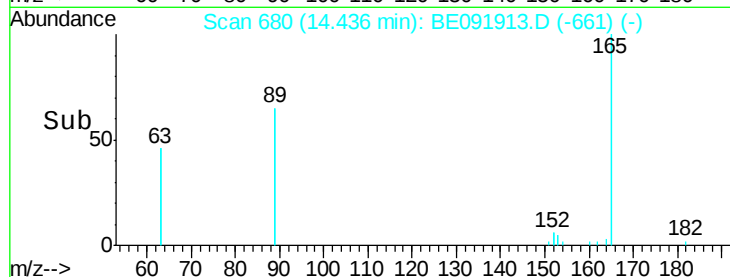
89 60.5 59.1 88.7



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: 0.85 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

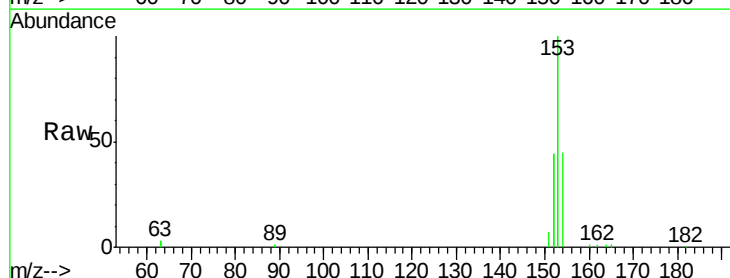
Tgt Ion:154 Resp: 20648

Ion Ratio Lower Upper

154 100

153 439.6 88.1 132.1#

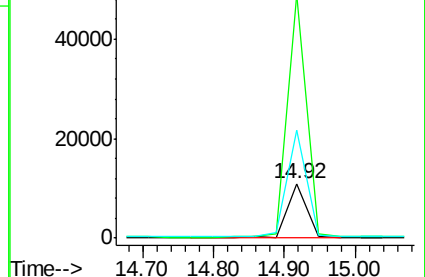
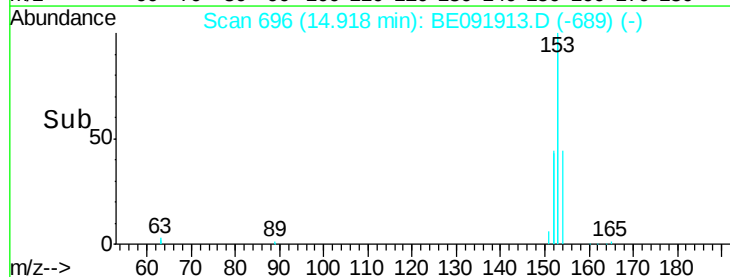
152 196.8 44.2 66.2#

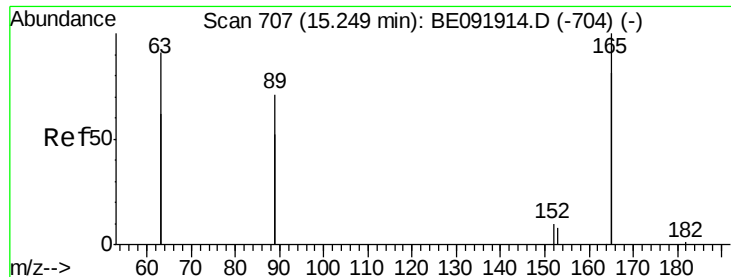


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

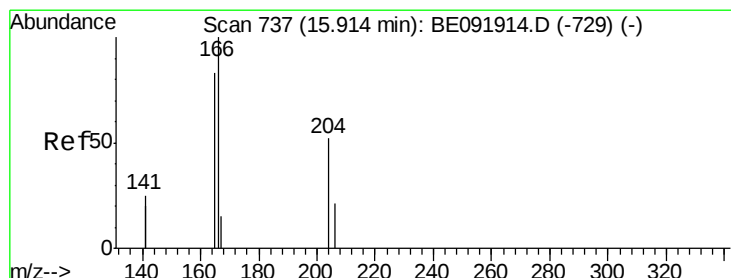
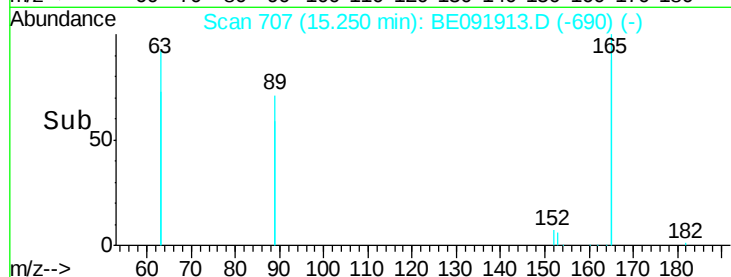
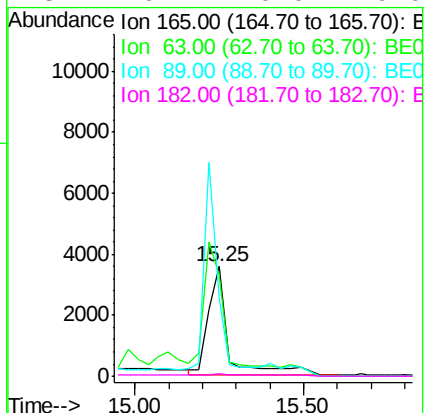
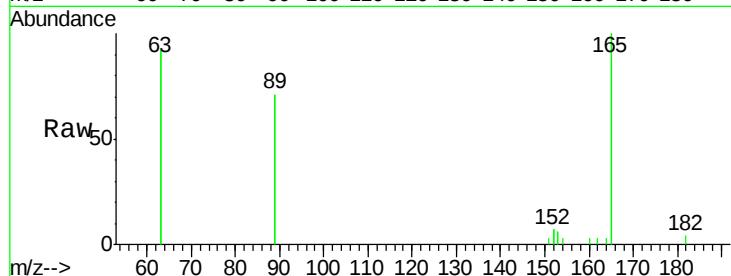




#21
2,4-Dinitrotoluene
Concen: 2.74 ng
RT: 15.25 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091913.D
Acq: 14 Jun 2016 15:47

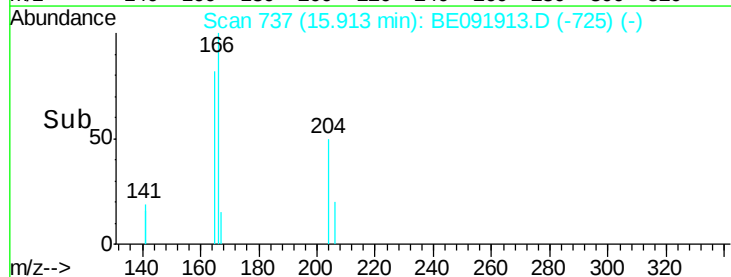
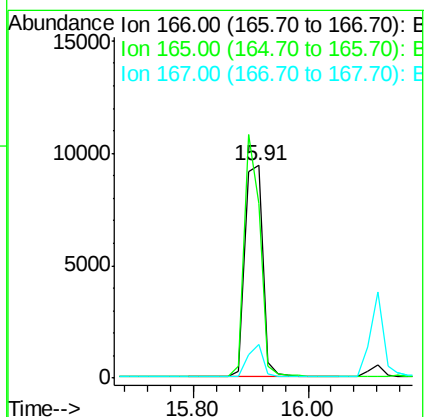
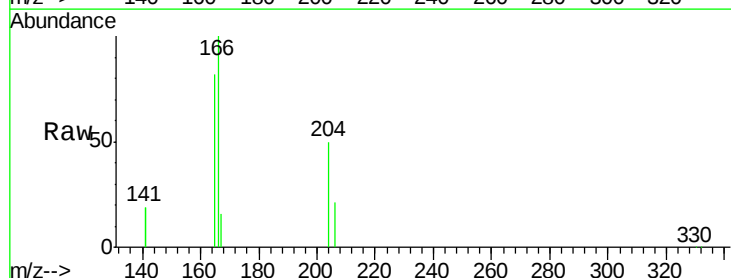
Instrument :
BNA_E
ClientSampleId :

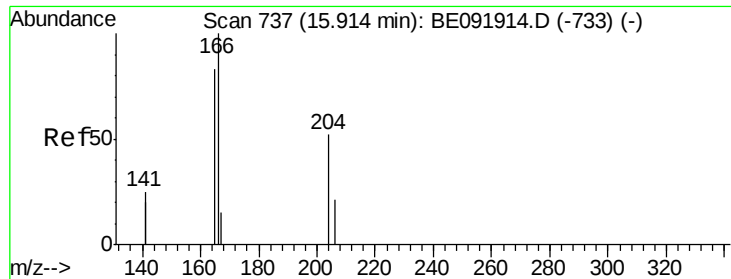
Tot Ion:165 Resp: 13753
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 0.4 0.0 0.0#



#22
Fluorene
Concen: 0.69 ng
RT: 15.91 min Scan# 737
Delta R.T. -0.00 min
Lab File: BE091913.D
Acq: 14 Jun 2016 15:47

Tgt Ion:166 Resp: 20538
Ion Ratio Lower Upper
166 100
165 100.0 78.6 117.8
167 13.5 10.8 16.2

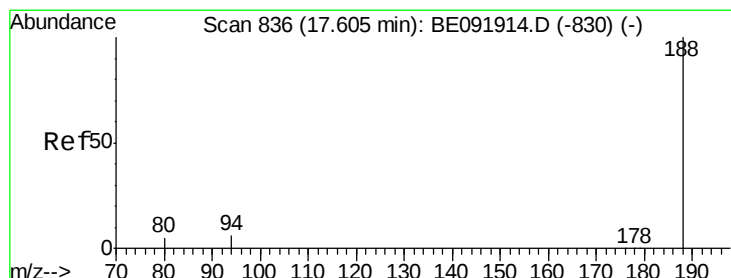
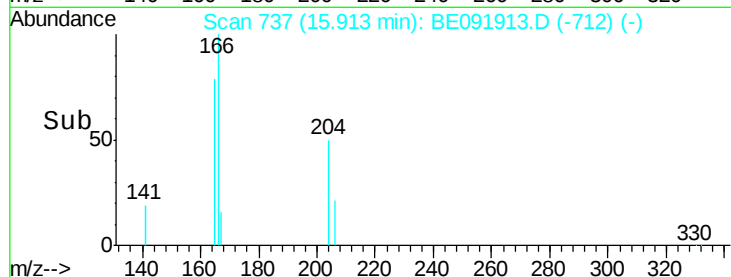
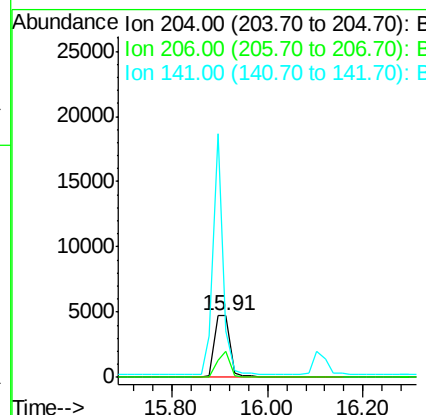
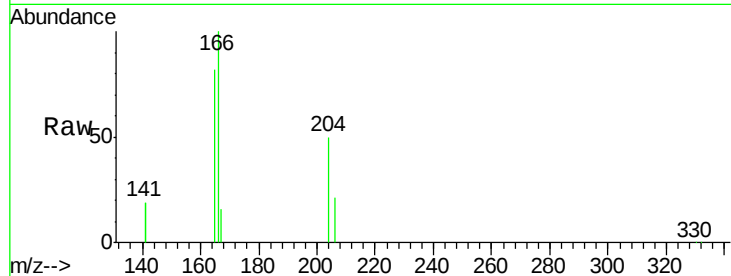




#23
4-Chlorophenyl-phenylether
Concen: 0.71 ng
RT: 15.91 min Scan# 737
Delta R.T. -0.00 min
Lab File: BE091913.D
Acq: 14 Jun 2016 15:47

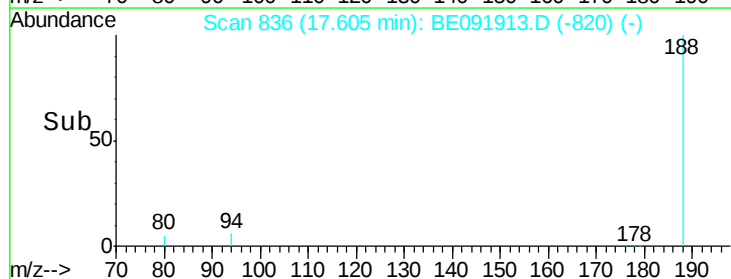
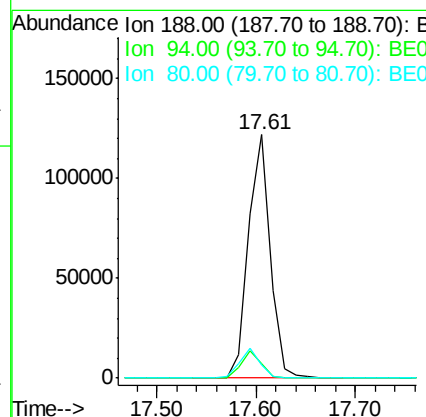
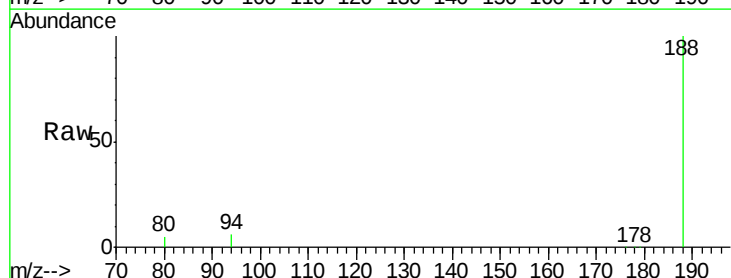
Instrument :
BNA_E
ClientSampled :

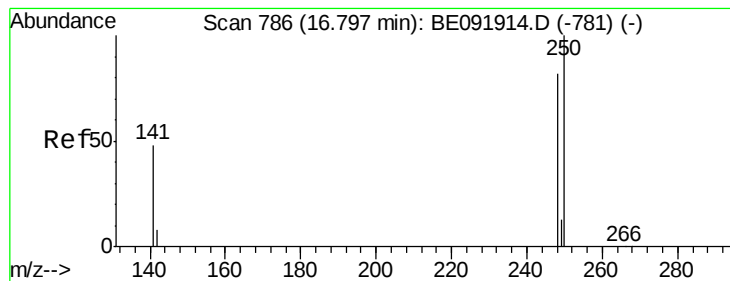
Tot Ion:204 Resp: 10339
Ion Ratio Lower Upper
204 100
206 34.2 27.8 41.6
141 255.9 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. 0.00 min
Lab File: BE091913.D
Acq: 14 Jun 2016 15:47

Tgt Ion:188 Resp: 185502
Ion Ratio Lower Upper
188 100
94 6.1 4.1 6.1
80 5.4 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 0.93 ng

RT: 16.80 min Scan# 786

Delta R.T. -0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampled :

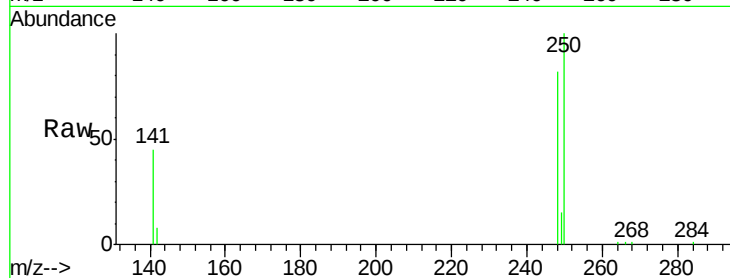
Tot Ion:248 Resp: 6178

Ion Ratio Lower Upper

248 100

250 96.9 75.7 113.5

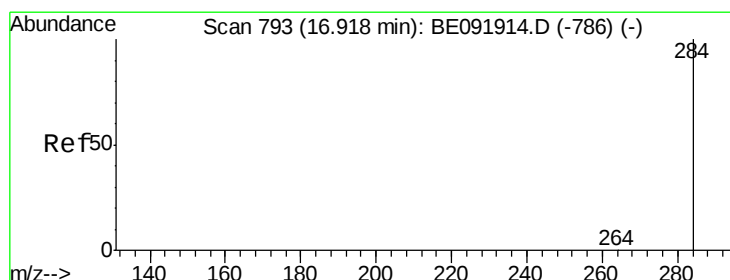
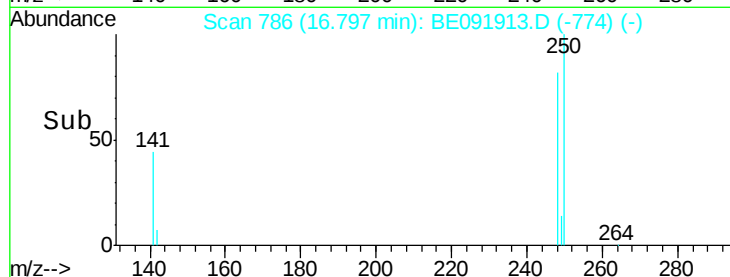
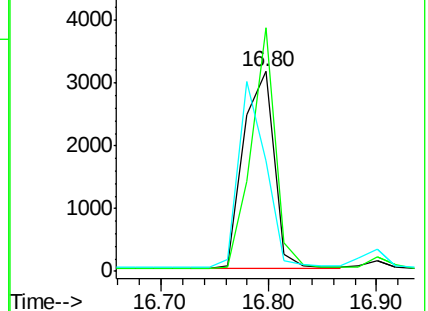
141 84.5 64.6 97.0



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: 0.93 ng

RT: 16.92 min Scan# 793

Delta R.T. -0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

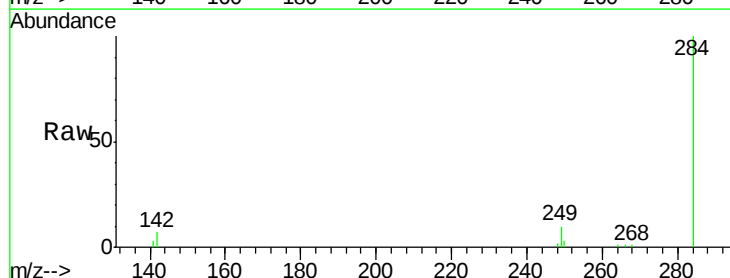
Tgt Ion:284 Resp: 6366

Ion Ratio Lower Upper

284 100

142 41.3 31.4 47.2

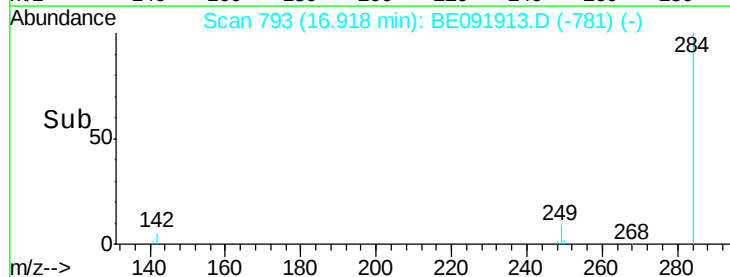
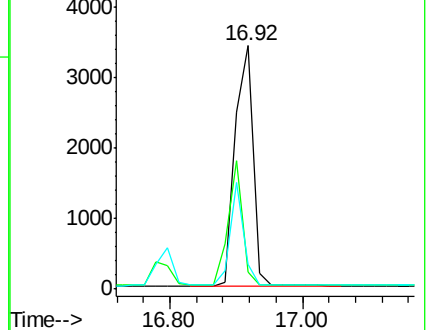
249 32.4 25.3 37.9

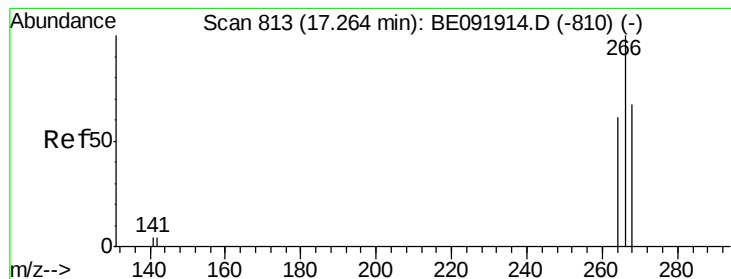


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 0.61 ng

RT: 17.26 min Scan# 813

Delta R.T. -0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampleId :

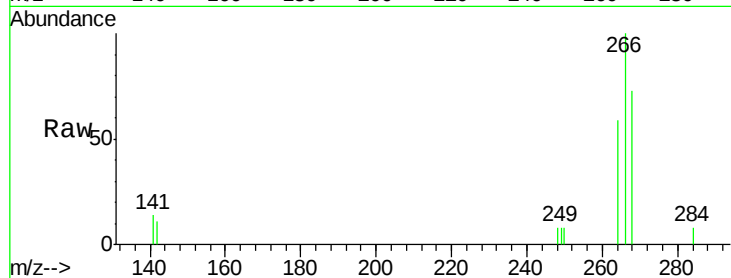
Tot Ion:266 Resp: 1579

Ion Ratio Lower Upper

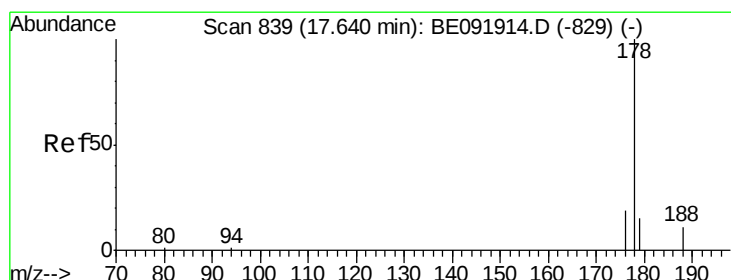
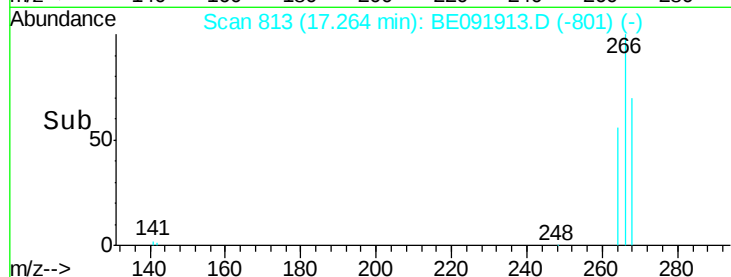
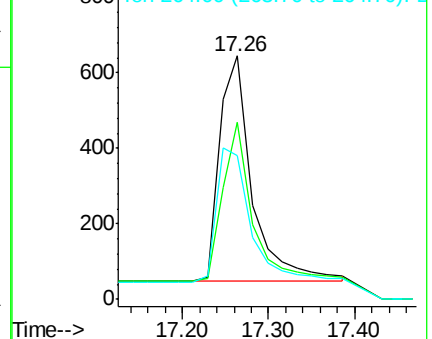
266 100

268 72.7 60.5 90.7

264 59.2 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: 0.94 ng

RT: 17.64 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

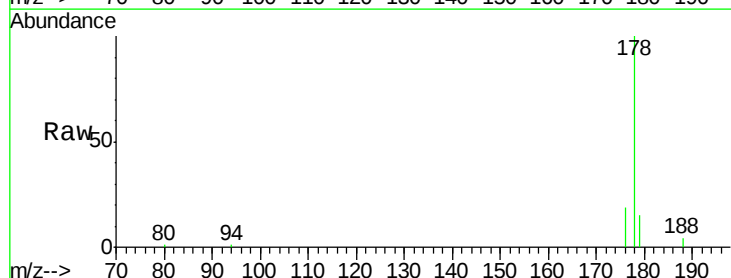
Tgt Ion:178 Resp: 40289

Ion Ratio Lower Upper

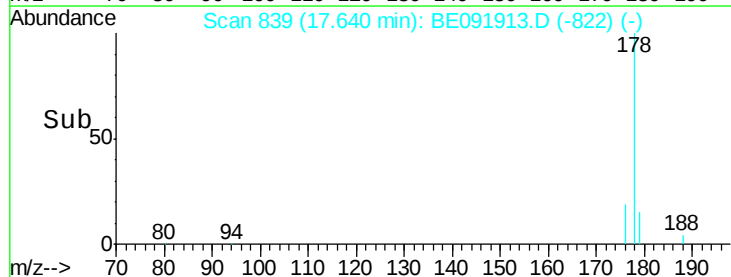
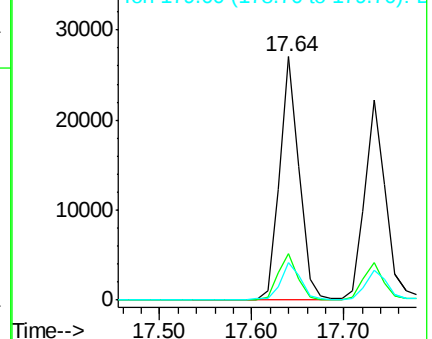
178 100

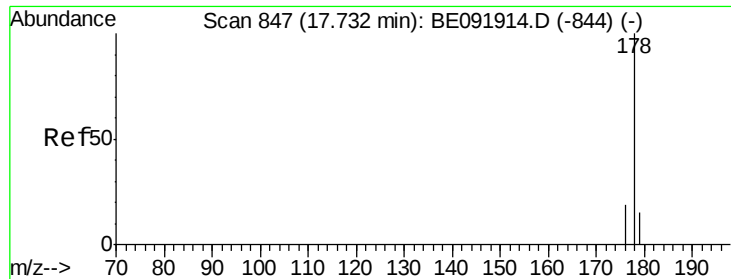
176 19.3 15.4 23.2

179 15.7 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: 0.92 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampleId :

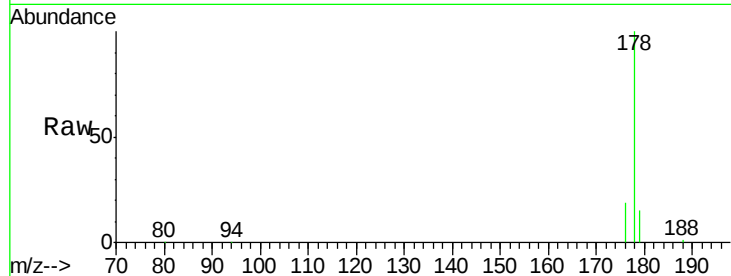
Tot Ion:178 Resp: 35219

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

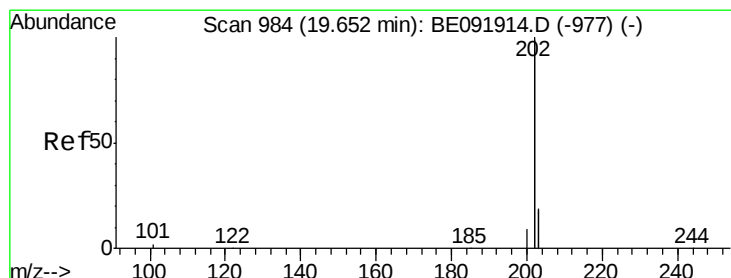
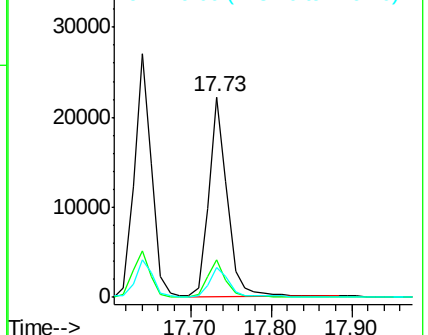
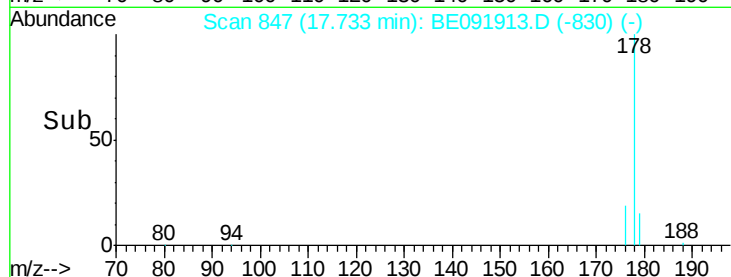
179 15.5 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 3.67 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

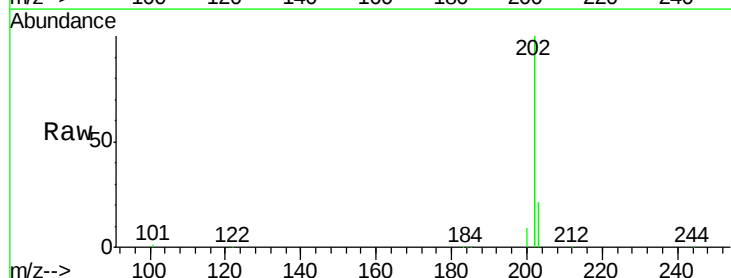
Tgt Ion:202 Resp: 170314

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

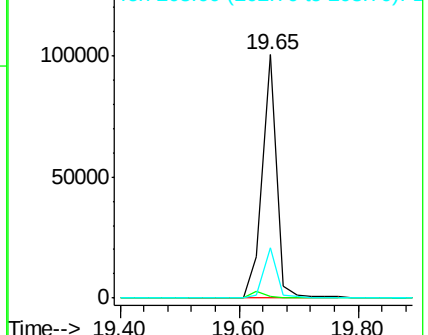
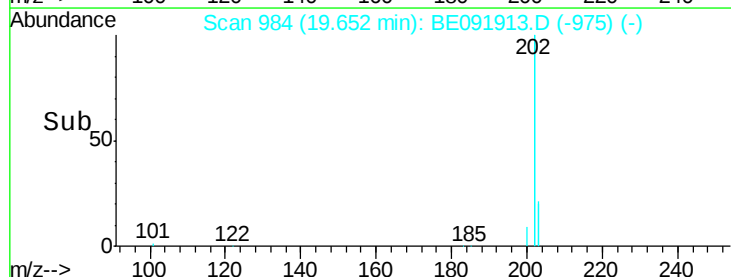
203 18.9 14.3 21.5

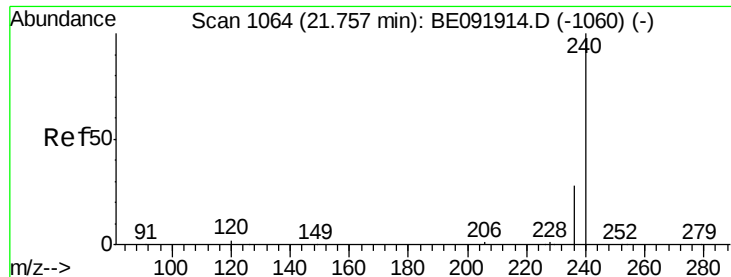


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

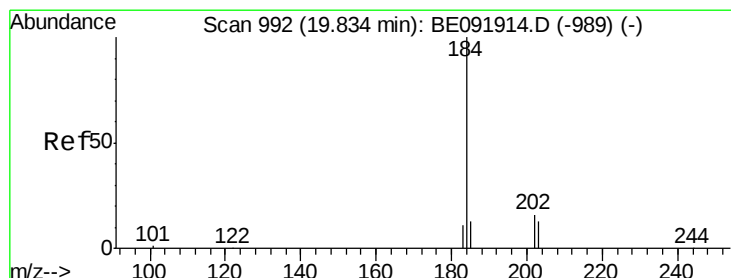
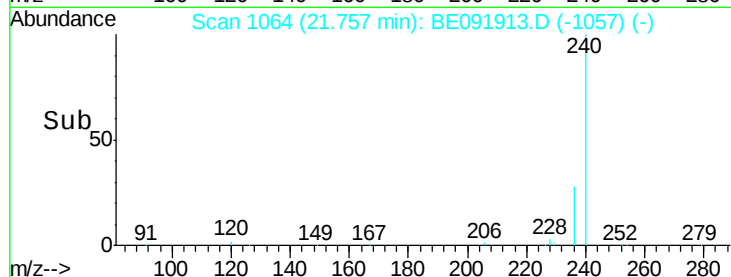
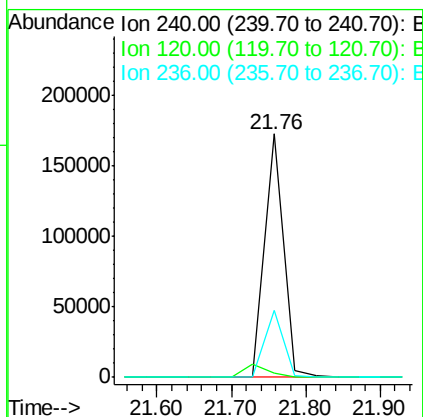
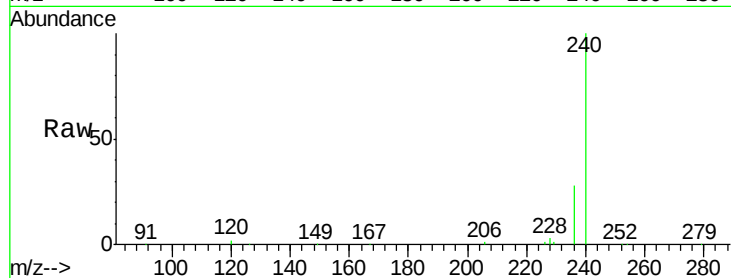




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE091913.D
Acq: 14 Jun 2016 15:47

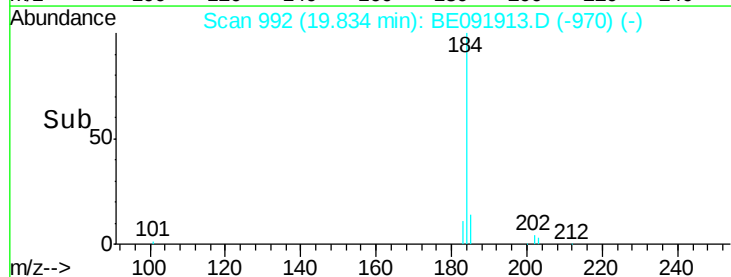
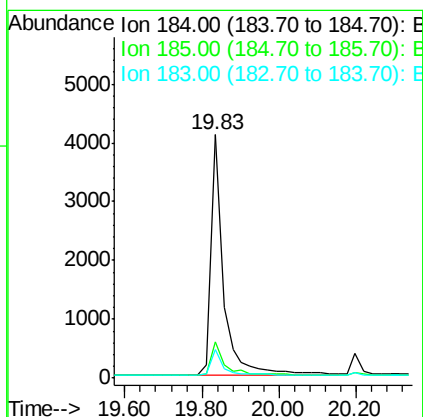
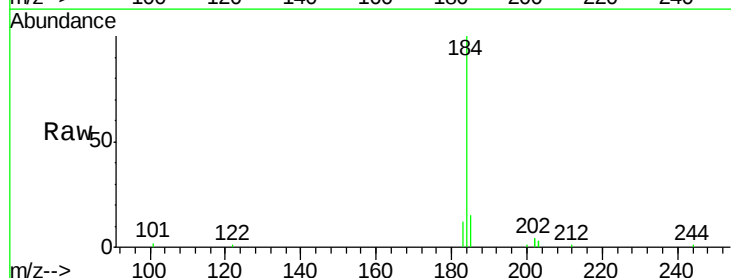
Instrument :
BNA_E
ClientSampleId :

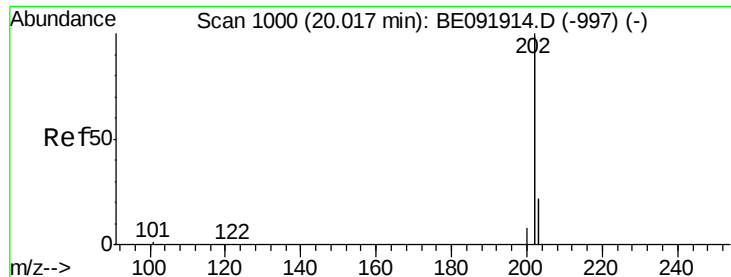
Tot Ion:240 Resp: 309029
Ion Ratio Lower Upper
240 100
120 1.8 1.2 1.8
236 27.6 19.8 29.8



#32
Benzidine
Concen: 0.45 ng
RT: 19.83 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE091913.D
Acq: 14 Jun 2016 15:47

Tgt Ion:184 Resp: 9327
Ion Ratio Lower Upper
184 100
185 14.8 11.4 17.2
183 11.7 11.8 17.6#

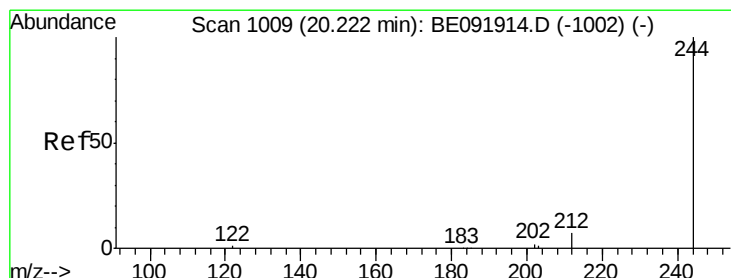
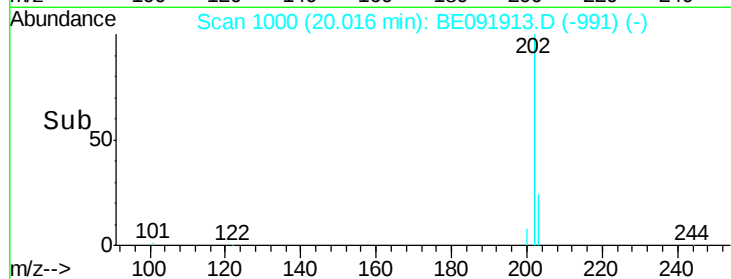
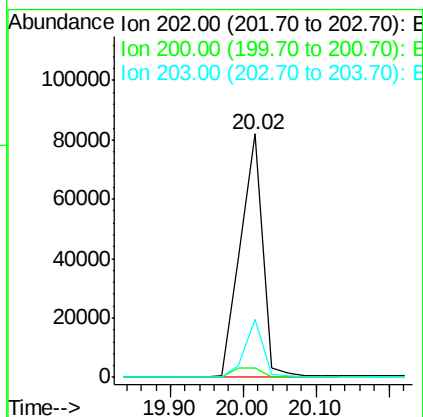
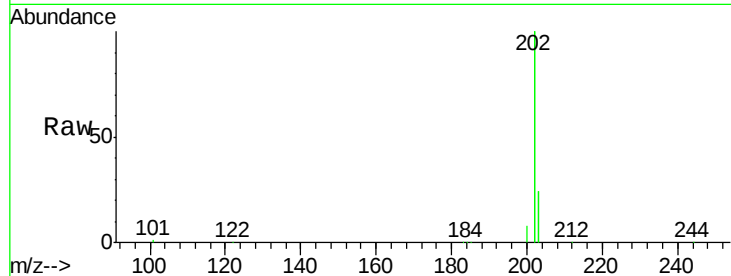




#33
 Pvrene
 Concen: 2.22 ng
 RT: 20.02 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: BE091913.D
 Acq: 14 Jun 2016 15:47

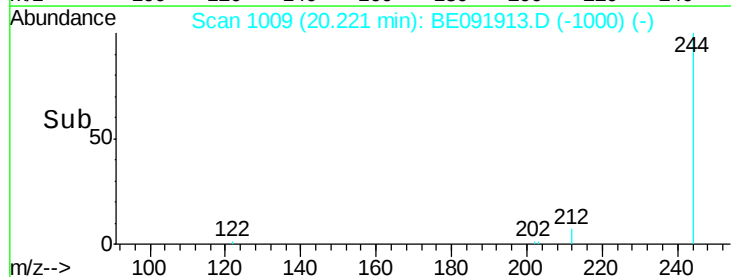
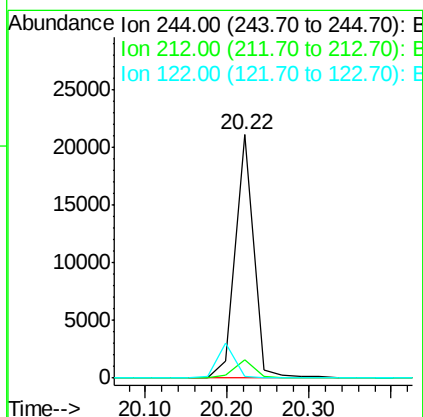
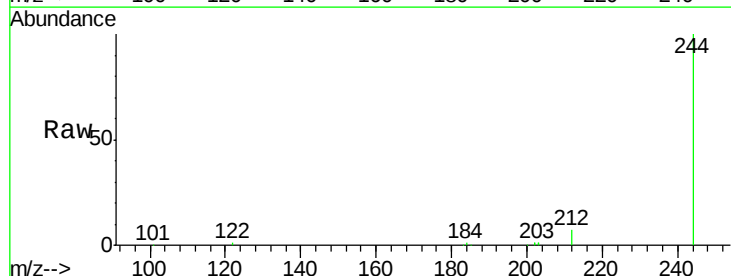
Instrument :
 BNA_E
 ClientSampleId :

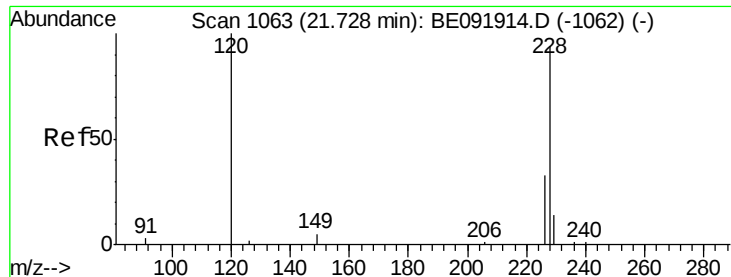
Tot Ion:202 Resp: 173073
 Ion Ratio Lower Upper
 202 100
 200 0.0 16.9 25.3#
 203 19.3 14.1 21.1



#34
 Terphenyl-d14
 Concen: 0.58 ng
 RT: 20.22 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BE091913.D
 Acq: 14 Jun 2016 15:47

Tgt Ion:244 Resp: 32004
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 0.9 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 0.24 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampleId :

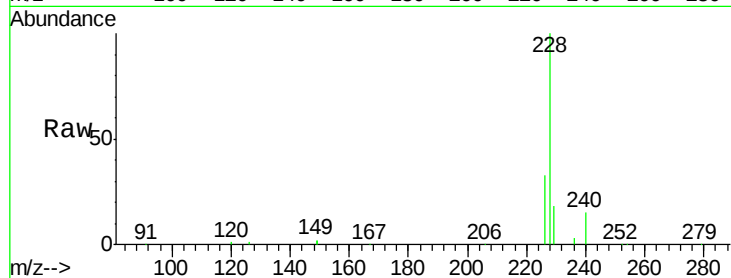
Tot Ion:228 Resp: 105525

Ion Ratio Lower Upper

228 100

226 33.5 21.0 31.4#

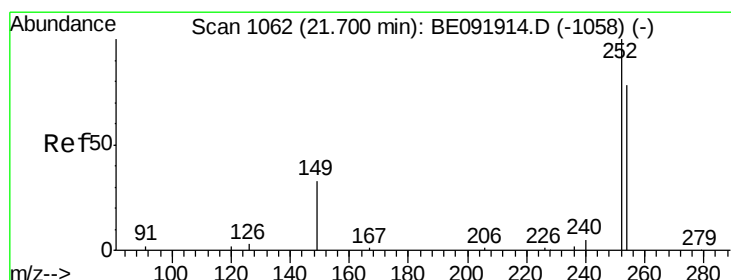
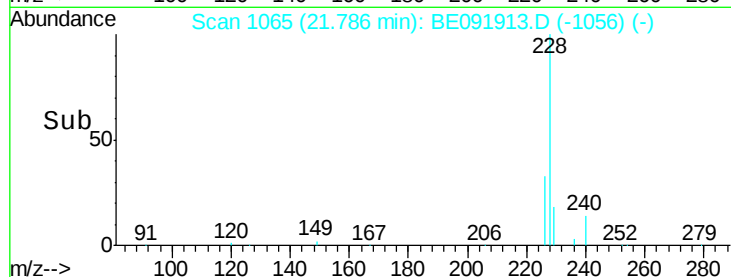
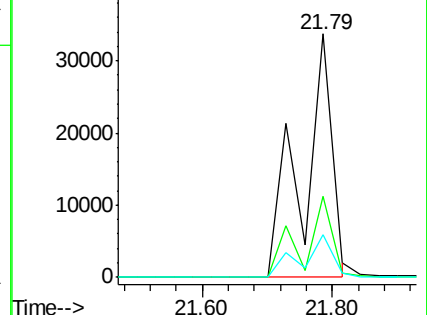
229 17.7 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 0.27 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

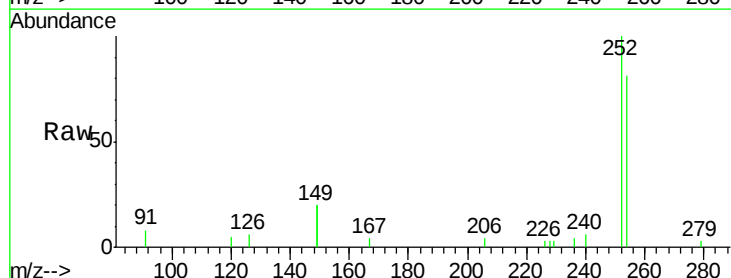
Tgt Ion:252 Resp: 5899

Ion Ratio Lower Upper

252 100

254 80.6 61.5 92.3

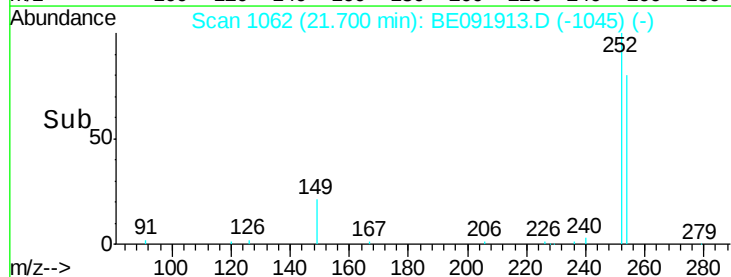
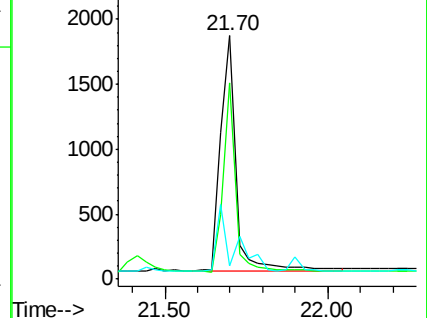
126 5.5 2.5 3.7#

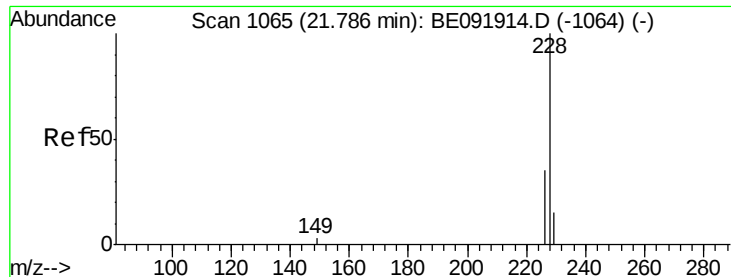


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.34 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampleId :

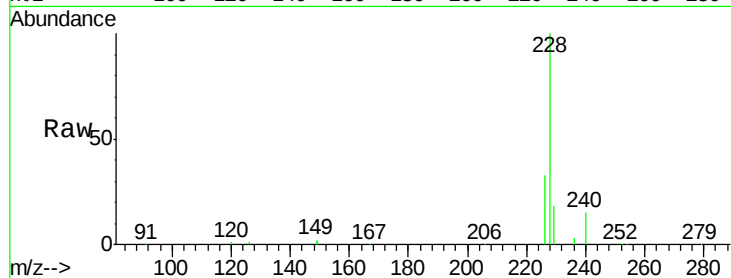
Tot Ion:228 Resp: 106640

Ion Ratio Lower Upper

228 100

226 33.5 27.0 40.6

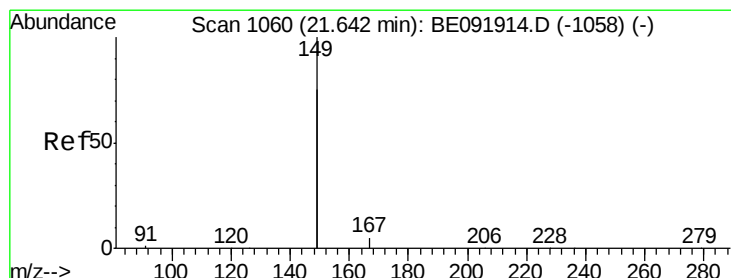
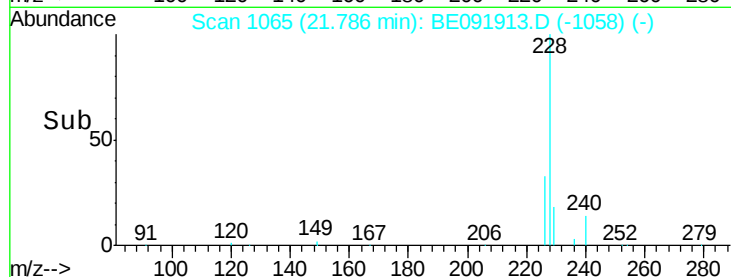
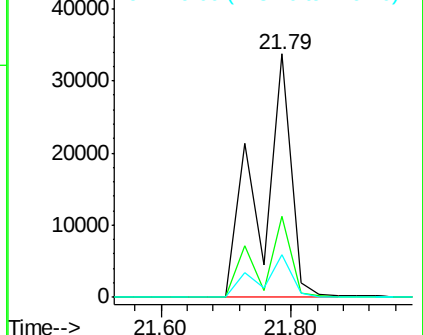
229 17.7 13.8 20.8



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: 0.63 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

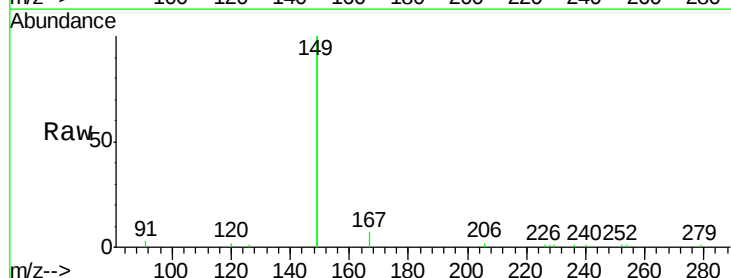
Tgt Ion:149 Resp: 27946

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

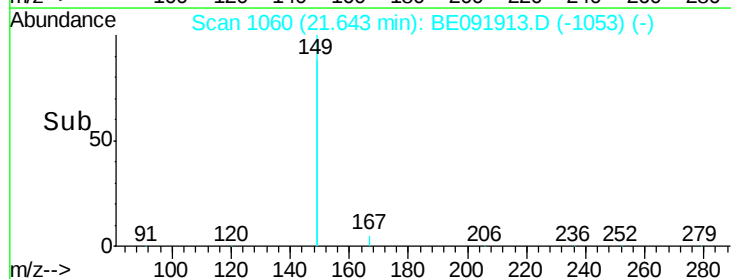
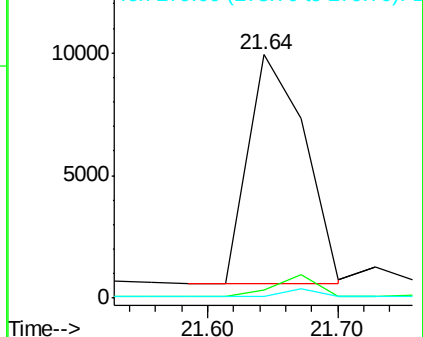
279 0.0 0.0 0.0

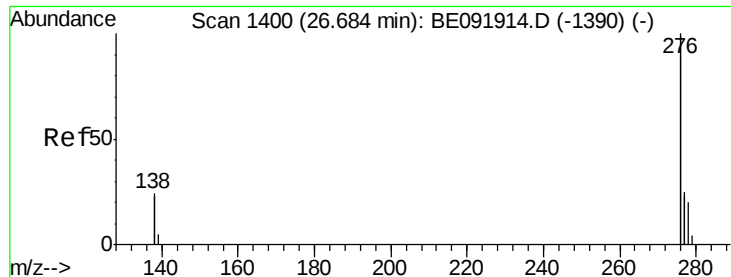


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

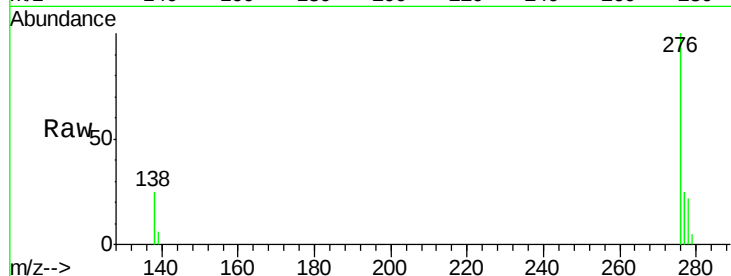




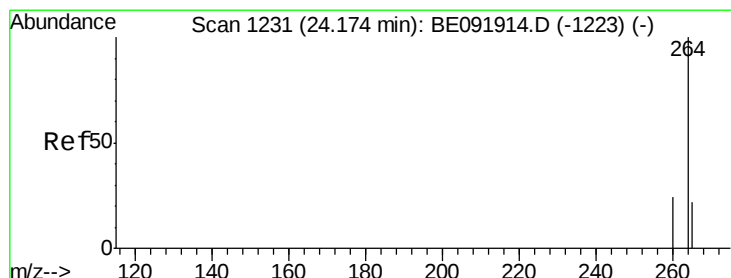
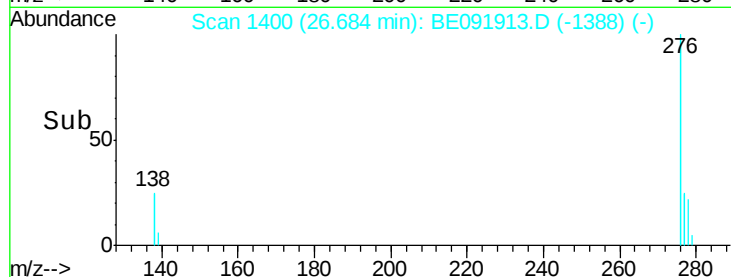
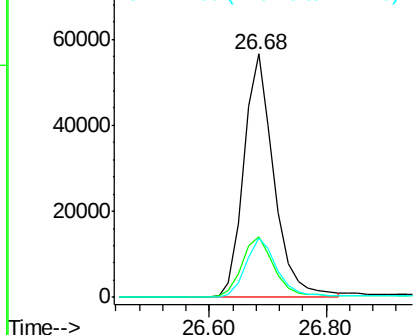
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 2.14 ng
 RT: 26.68 min Scan# 1400
 Delta R.T. -0.00 min
 Lab File: BE091913.D
 Acq: 14 Jun 2016 15:47

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 201426
 Ion Ratio Lower Upper
 276 100
 138 26.3 19.7 29.5
 277 24.6 20.1 30.1

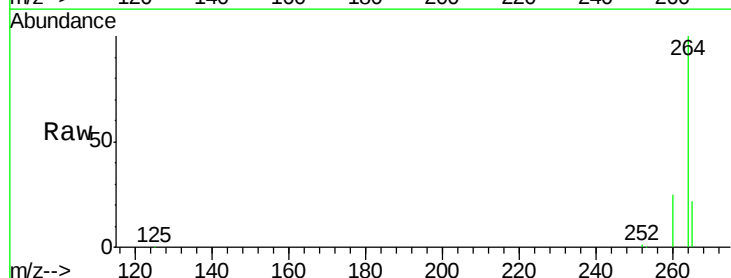


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

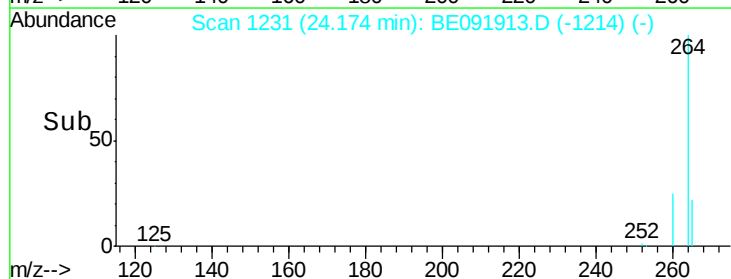
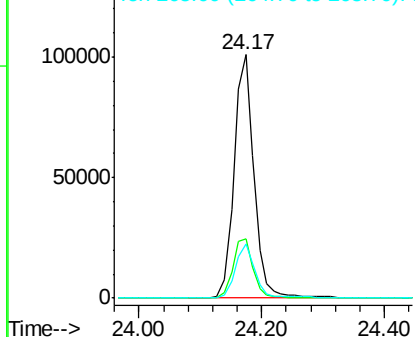


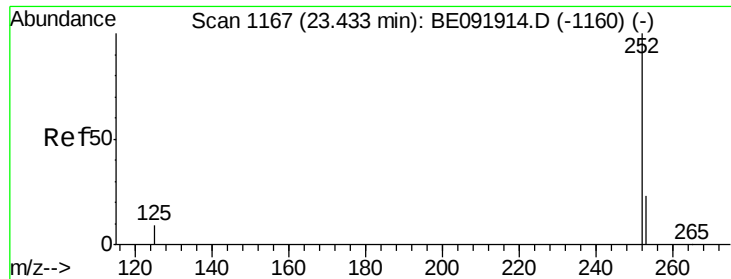
#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BE091913.D
 Acq: 14 Jun 2016 15:47

Tgt Ion:264 Resp: 226662
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.3 30.5
 265 22.1 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: 0.95 ng

RT: 23.42 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampleId :

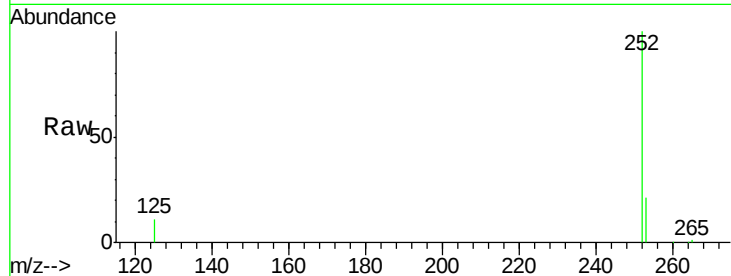
Tot Ion:252 Resp: 52577

Ion Ratio Lower Upper

252 100

253 21.0 17.8 26.6

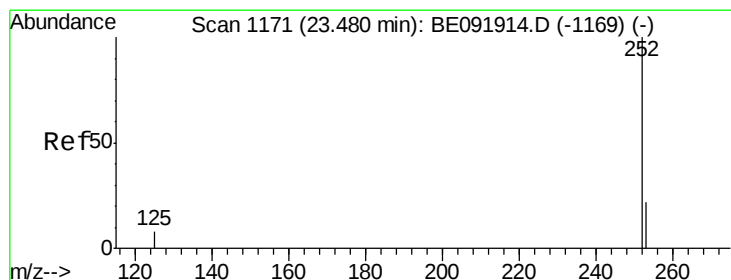
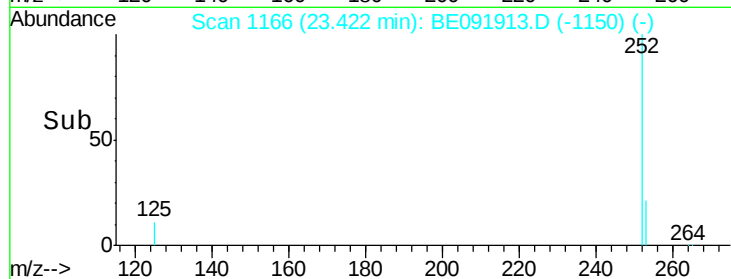
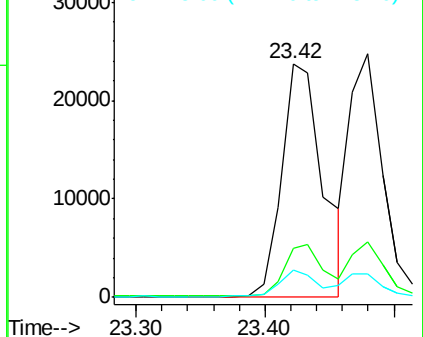
125 11.5 9.4 14.2



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: 0.78 ng

RT: 23.48 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

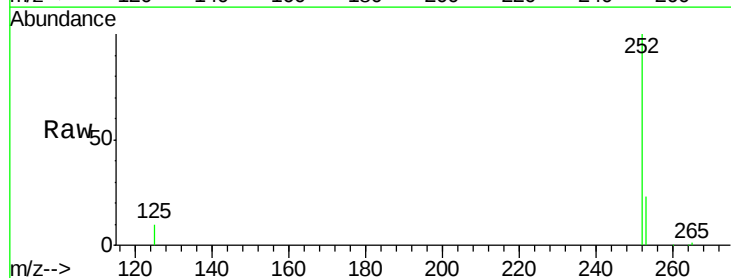
Tgt Ion:252 Resp: 44679

Ion Ratio Lower Upper

252 100

253 22.7 19.4 29.2

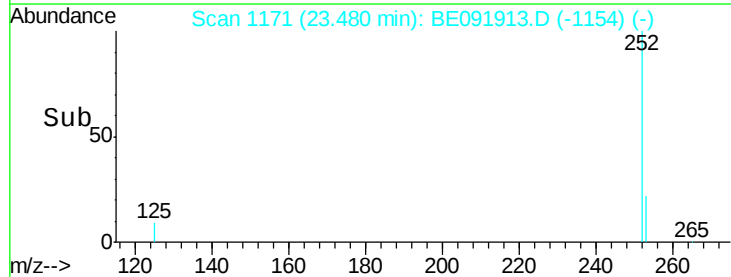
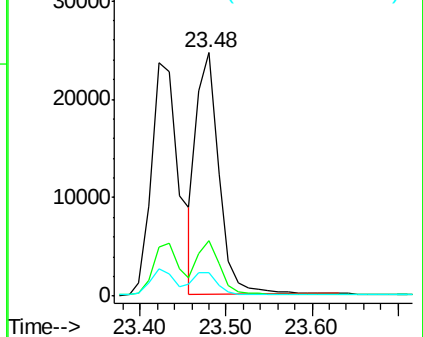
125 9.7 8.3 12.5

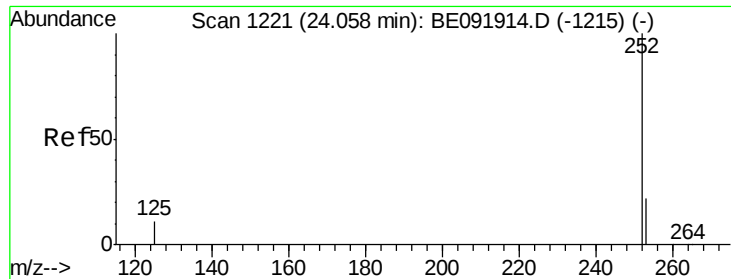


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.85 ng

RT: 24.06 min Scan# 1221

Delta R.T. -0.00 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampled :

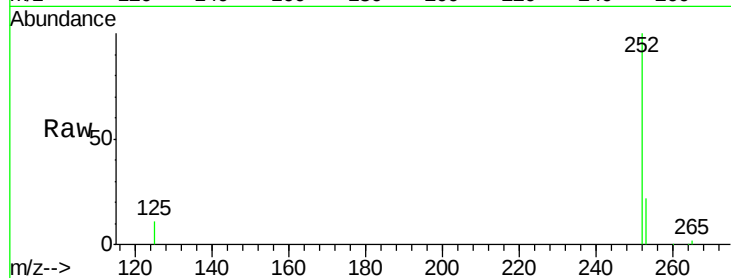
Tot Ion:252 Resp: 44177

Ion Ratio Lower Upper

252 100

253 22.2 18.9 28.3

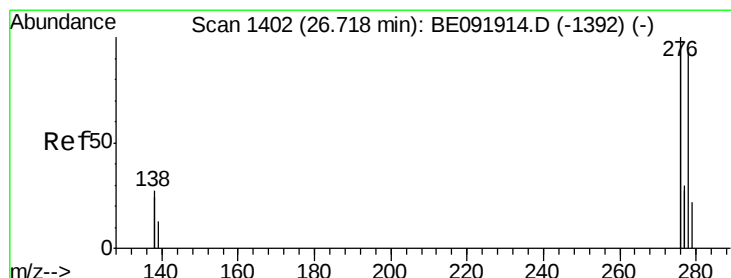
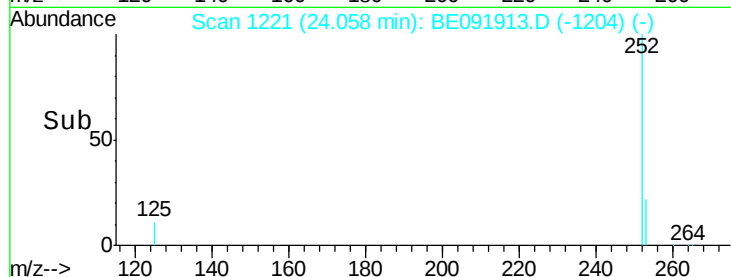
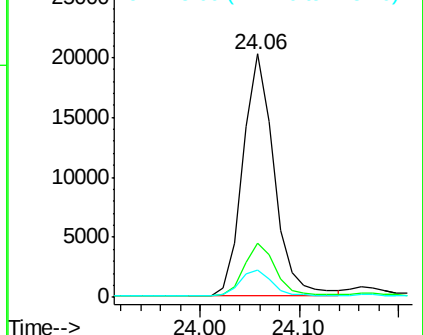
125 11.4 10.5 15.7



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: 0.87 ng

RT: 26.70 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

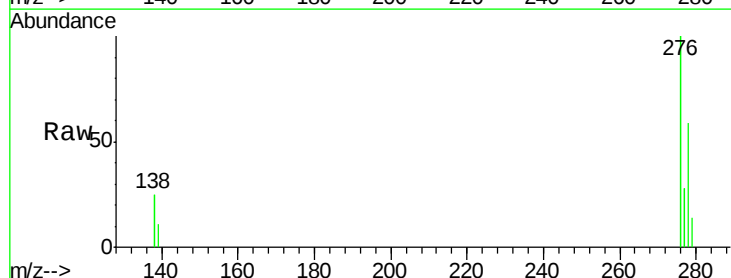
Tgt Ion:278 Resp: 42107

Ion Ratio Lower Upper

278 100

139 17.9 12.6 18.8

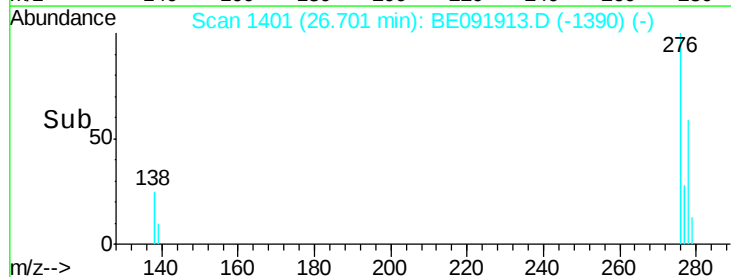
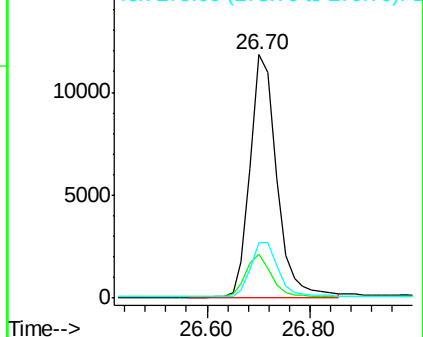
279 23.0 20.0 30.0

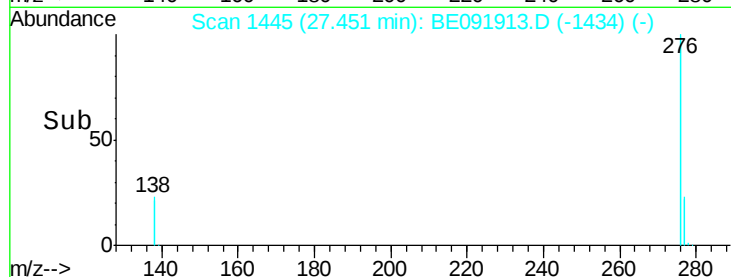
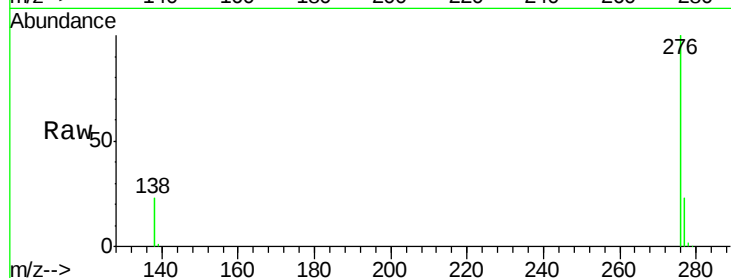
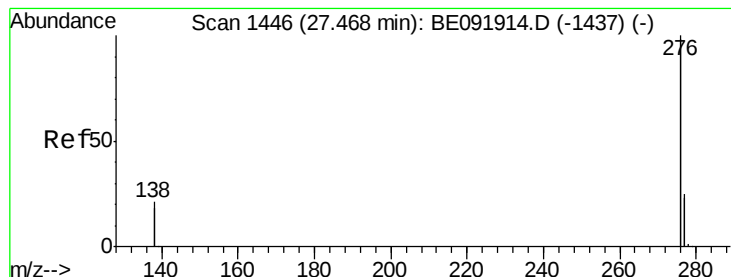


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(a,h,i)perylene

Concen: 3.40 ng

RT: 27.45 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BE091913.D

Acq: 14 Jun 2016 15:47

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 276 Resp: 172397

Ion Ratio Lower Upper

276 100

277 22.9 19.5 29.3

138 22.6 17.7 26.5

