

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062416\
 Data File : BE091955.D
 Acq On : 24 Jun 2016 20:28
 Operator : UM/SJ
 Sample : PB91622BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleID :
 PB91622BS

Quant Time: Jun 24 23:00:39 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 12:00:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	26344	5.00	ng	0.00
8) Naphthalene-d8	11.02	136	112443	5.00	ng	0.02
15) Acenaphthene-d10	14.86	164	74699	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	147387	5.00	ng	0.00
31) Chrysene-d12	21.76	240	253213	5.00	ng	0.00
40) Perylene-d12	24.18	264	196433	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	50047	9.72	ng	0.00
5) Phenol-d6	7.37	99	67522	7.98	ng	0.02
9) Nitrobenzene-d5	9.36	82	36762	4.74	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	18768	9.64	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	76605	4.04	ng	0.00
34) Terphenyl-d14	20.22	244	127196	4.10	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	10765	2.90	ng	# 84
3) n-Nitrosodimethylamine	3.82	42	17306	4.10	ng	99
6) bis(2-Chloroethyl)ether	7.63	93	30423	4.03	ng	96
7) n-Nitroso-di-n-propylamine	9.00	70	27214	3.79	ng	# 99
10) Nitrobenzene	9.40	77	37915	4.30	ng	# 99
11) bis(2-Chloroethoxy)methane	10.42	93	39455	4.01	ng	# 19
12) Naphthalene	11.04	128	94971	3.87	ng	# 92
13) Hexachlorobutadiene	11.34	225	16531	4.16	ng	99
14) 2-Methylnaphthalene	12.68	142	68622	4.12	ng	99
18) Acenaphthylene	14.59	152	318138	4.20	ng	# 68
19) 2,6-Dinitrotoluene	14.44	165	56361	3.47	ng	# 40
20) Acenaphthene	14.92	154	80261	3.84	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	56136	3.78	ng	# 82
22) Fluorene	15.90	166	83182	4.00	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	38123	3.72	ng	98
25) 4-Bromophenyl-phenylether	16.78	248	23704	4.16	ng	98
26) Hexachlorobenzene	16.92	284	24304	4.16	ng	96
27) Pentachlorophenol	17.25	266	29772	8.33	ng	# 79
28) Phenanthrene	17.64	178	150153	4.08	ng	99
29) Anthracene	17.73	178	150420	4.61	ng	100
30) Fluoranthene	19.65	202	785079	4.97	ng	# 86
32) Benzidine	19.83	184	61224	3.80	ng	# 93
33) Pyrene	20.02	202	784519	4.55	ng	# 80
35) Benzo(a)anthracene	21.79	228	423346	10.64	ng	# 88
36) 3,3'-Dichlorobenzidine	21.67	252	48121	7.47	ng	# 62
37) Chrysene	21.79	228	425987	7.33	ng	99
38) Bis(2-ethylhexyl)phthalate	21.64	149	282255	6.09	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.69	276	951163	4.79	ng	99
41) Benzo(b)fluoranthene	23.42	252	210907	4.18	ng	98
42) Benzo(k)fluoranthene	23.48	252	219492	4.76	ng	98
43) Benzo(a)pyrene	24.06	252	212608	4.82	ng	96
44) Dibenzo(a,h)anthracene	26.70	278	199235	4.65	ng	95
45) Benzo(g,h,i)perylene	27.47	276	803971	4.54	ng	98

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QLast Update : Wed Jun 15 12:00:38 2016
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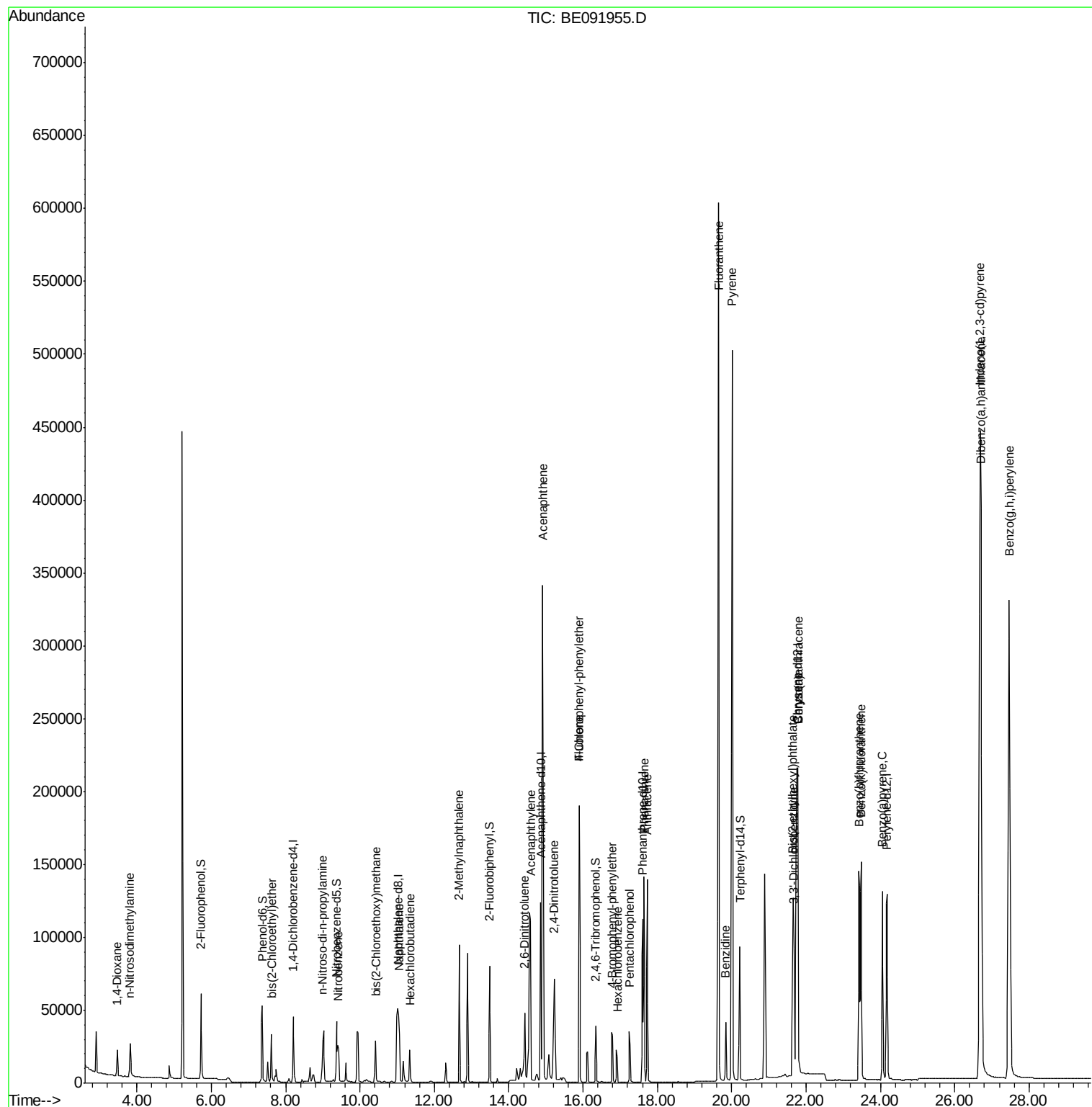
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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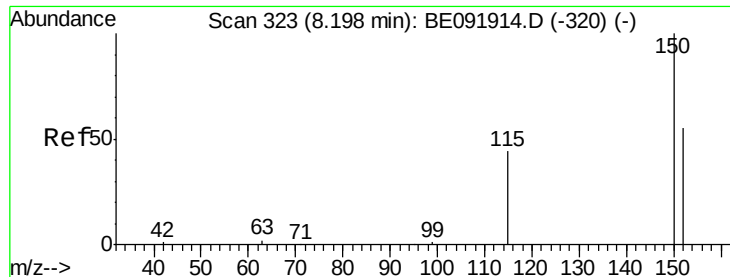
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS

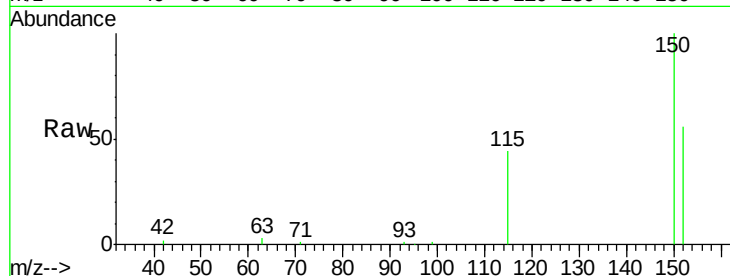
Tgt Ion:152 Resp: 26344

Ion Ratio Lower Upper

152 100

150 179.1 123.9 185.9

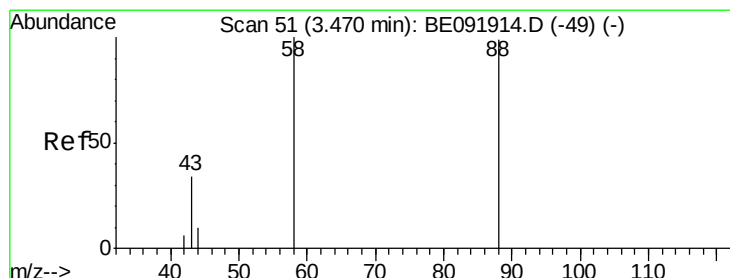
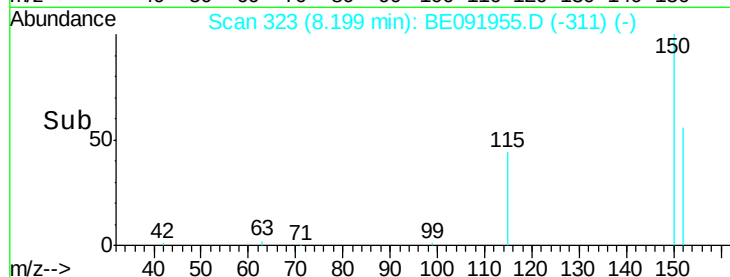
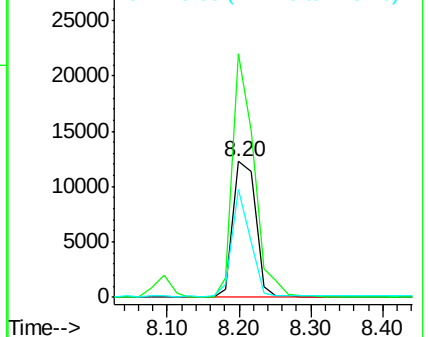
115 79.6 48.3 72.5#



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: 2.90 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

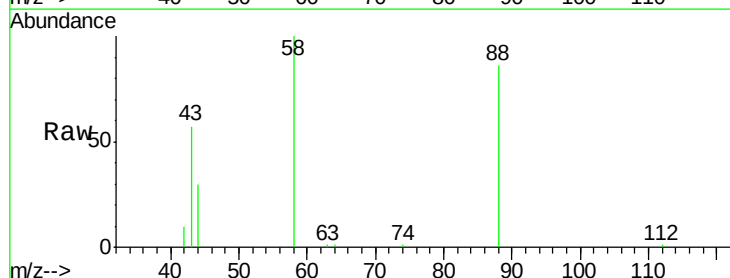
Tgt Ion: 88 Resp: 10765

Ion Ratio Lower Upper

88 100

58 92.7 63.0 94.4

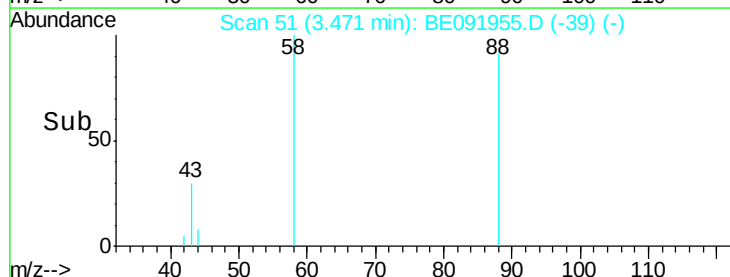
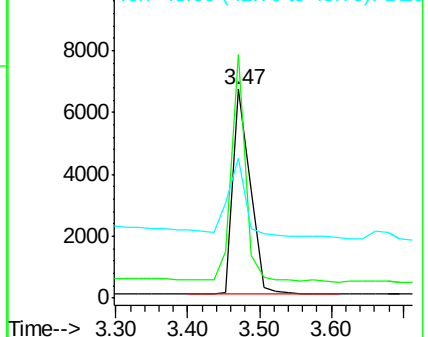
43 45.0 29.1 43.7#

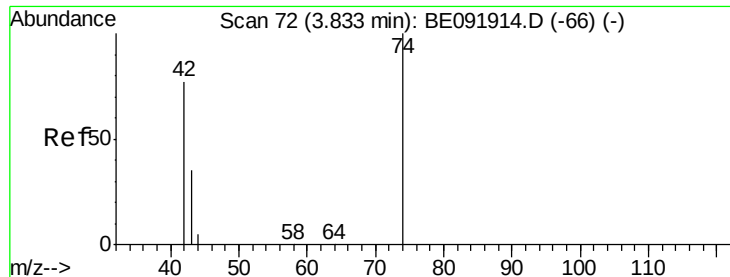


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 4.10 ng

RT: 3.82 min Scan# 71

Delta R.T. 0.02 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS

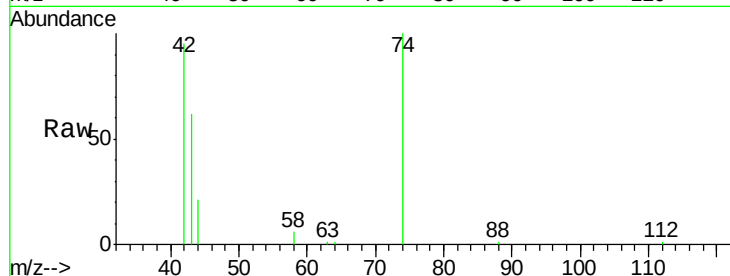
Tgt Ion: 42 Resp: 17306

Ion Ratio Lower Upper

42 100

74 116.0 93.4 140.0

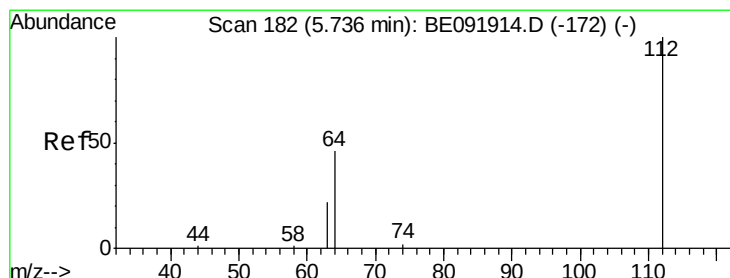
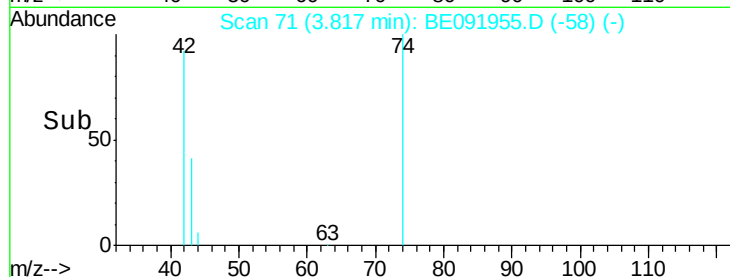
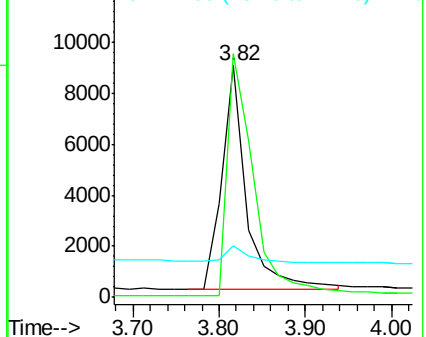
44 7.1 5.0 7.6



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: 9.72 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

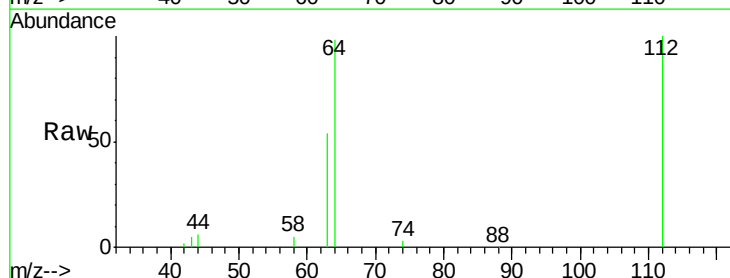
Tgt Ion: 112 Resp: 50047

Ion Ratio Lower Upper

112 100

64 69.8 53.7 80.5

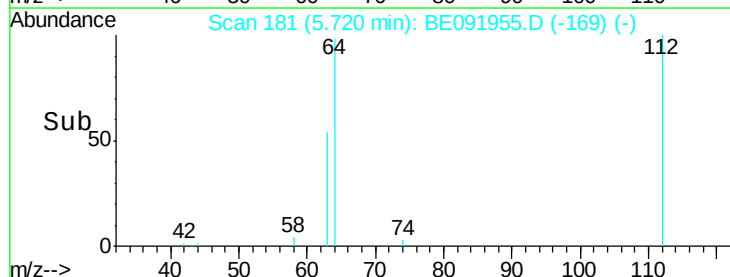
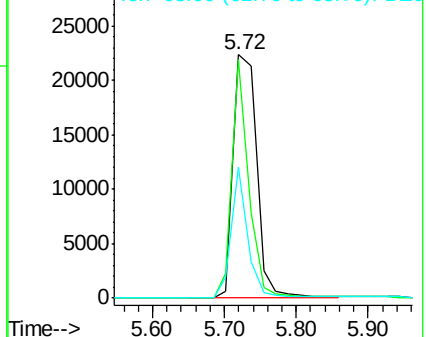
63 37.2 29.5 44.3

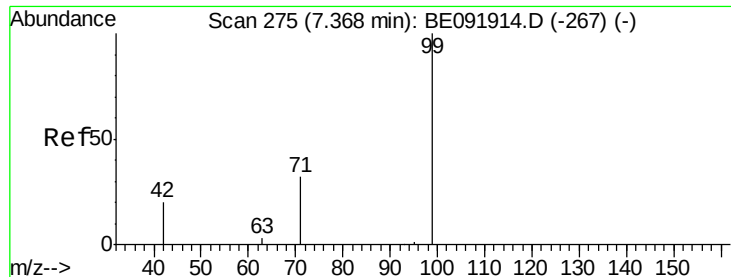


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.98 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

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ClientSampleId :

PB91622BS

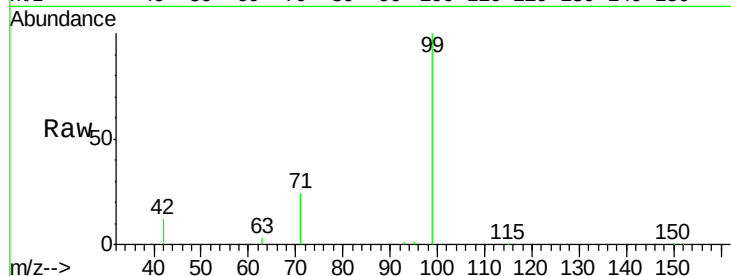
Tgt Ion: 99 Resp: 67522

Ion Ratio Lower Upper

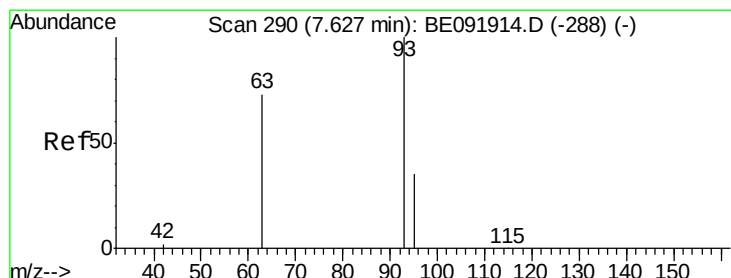
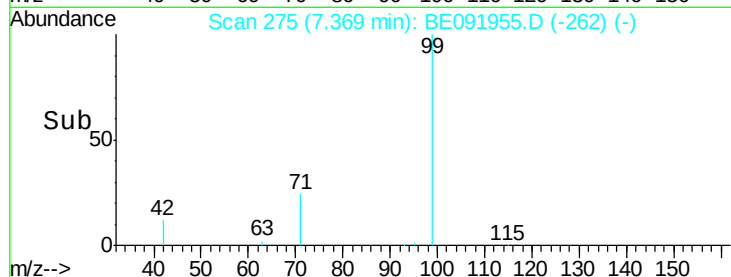
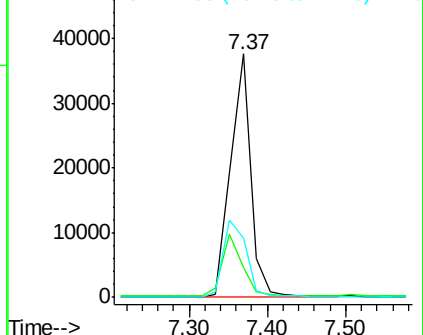
99 100

42 25.2 19.6 29.4

71 35.7 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: 4.03 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.02 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

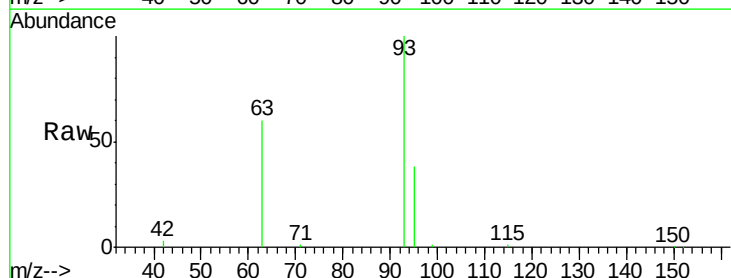
Tgt Ion: 93 Resp: 30423

Ion Ratio Lower Upper

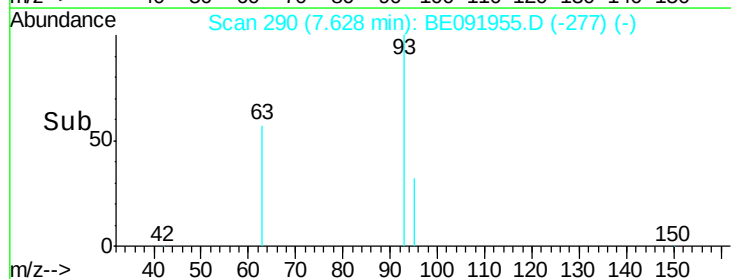
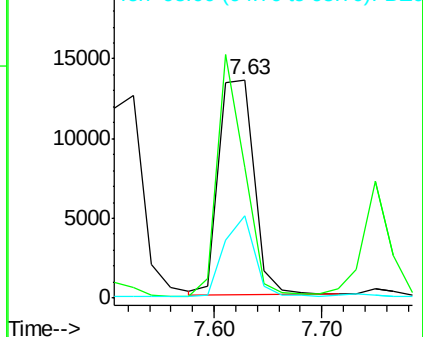
93 100

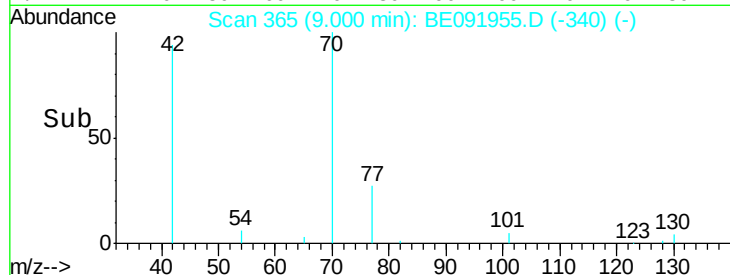
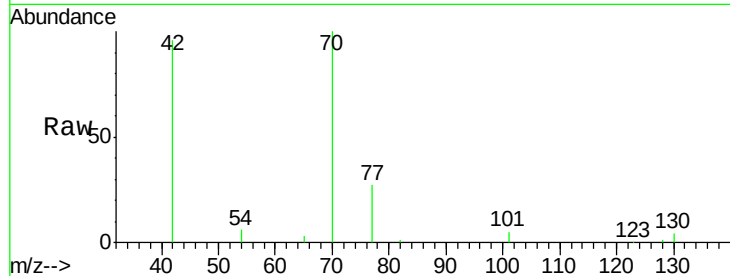
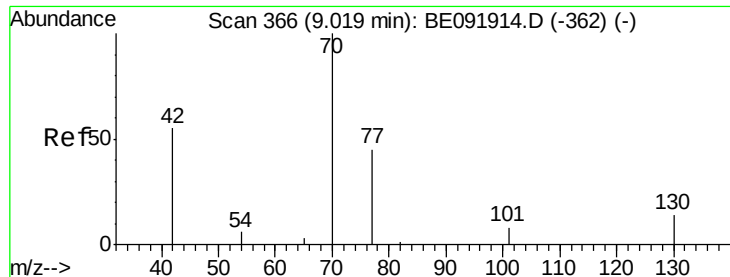
63 87.4 66.2 99.4

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: 3.79 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS

Tgt Ion: 70 Resp: 27214

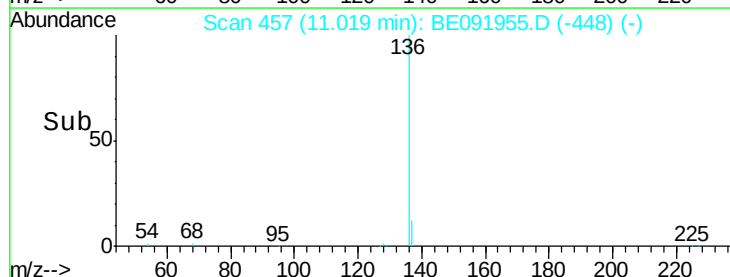
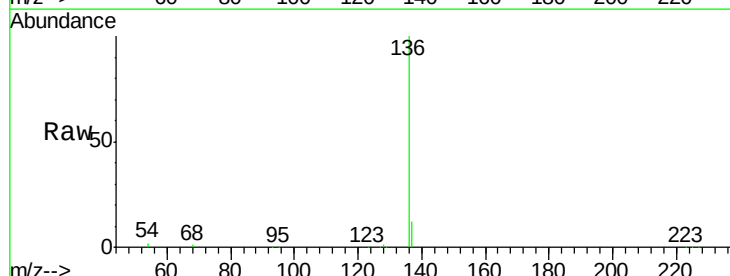
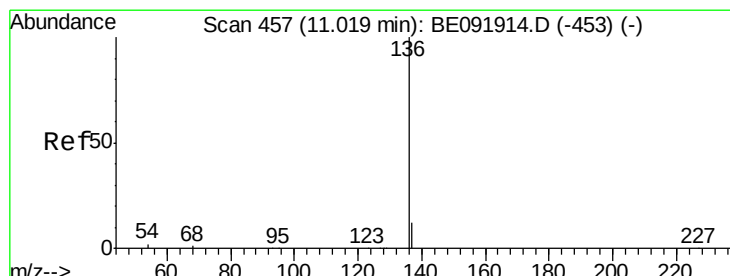
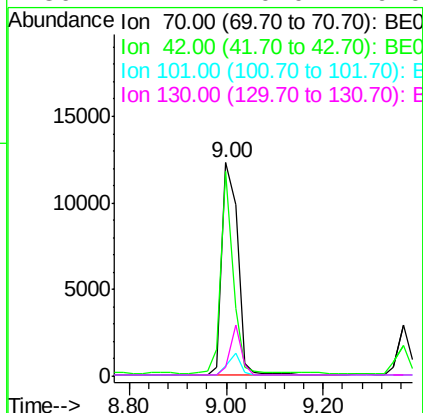
Ion Ratio Lower Upper

70 100

42 74.0 58.4 87.6

101 8.6 6.4 9.6

130 17.2 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.02 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Tgt Ion: 136 Resp: 112443

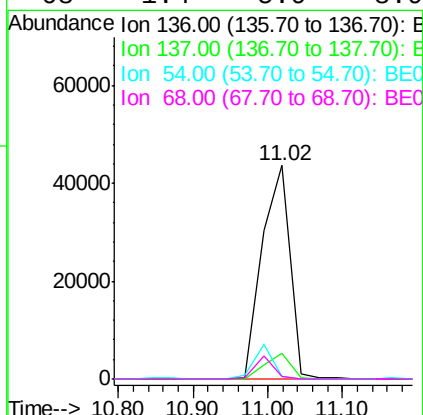
Ion Ratio Lower Upper

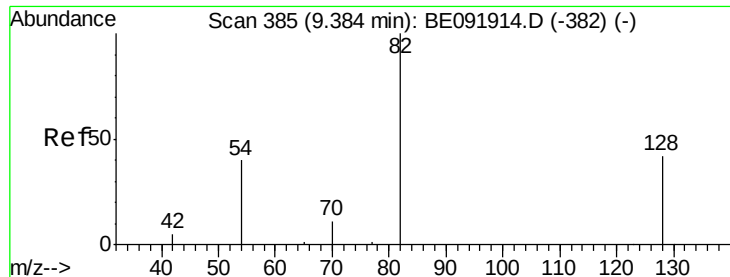
136 100

137 12.3 8.3 12.5

54 1.5 8.2 12.4#

68 1.4 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 4.74 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS

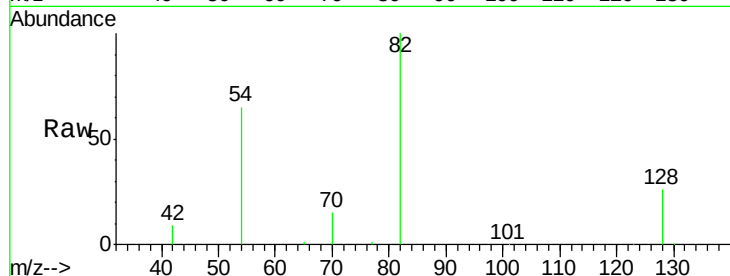
Tgt Ion: 82 Resp: 36762

Ion Ratio Lower Upper

82 100

128 25.8 39.5 59.3#

54 65.3 30.3 45.5#



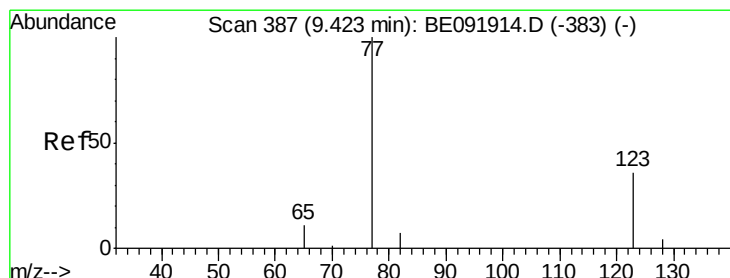
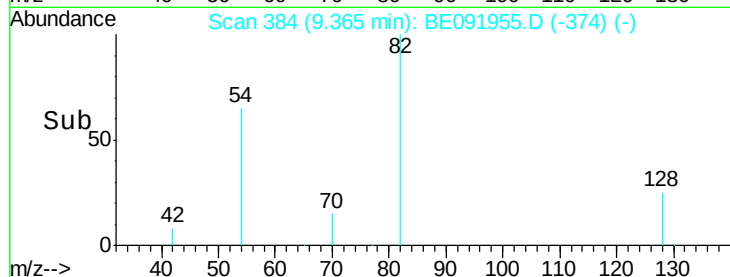
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

9.36

Time-->



#10

Nitrobenzene

Concen: 4.30 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

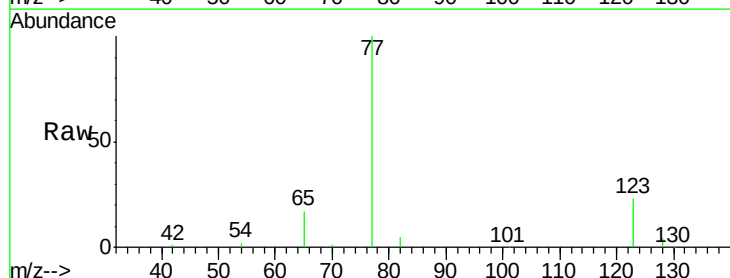
Tgt Ion: 77 Resp: 37915

Ion Ratio Lower Upper

77 100

123 38.2 0.0 0.0#

65 14.2 11.1 16.7



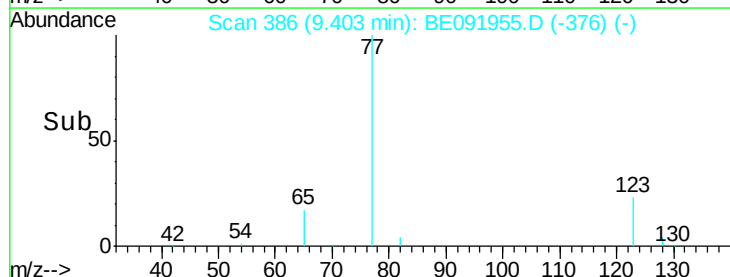
Abundance Ion 77.00 (76.70 to 77.70): BE0

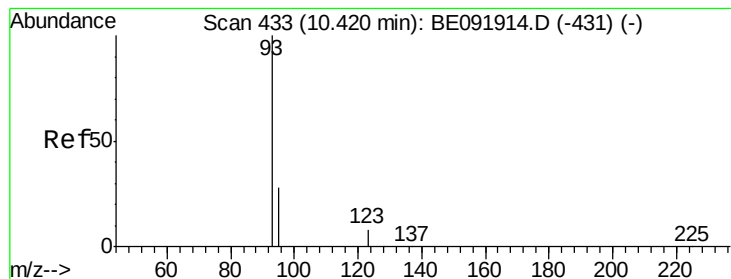
Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

9.40

Time-->

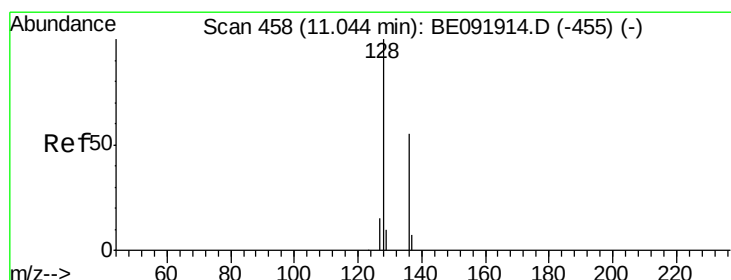
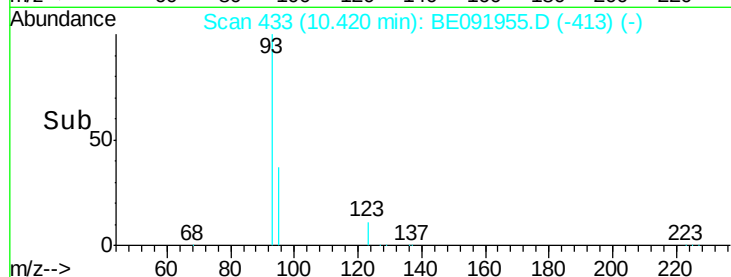
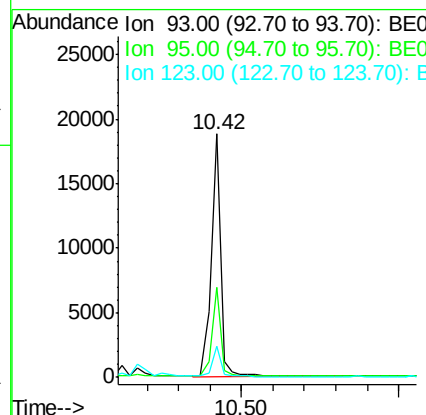
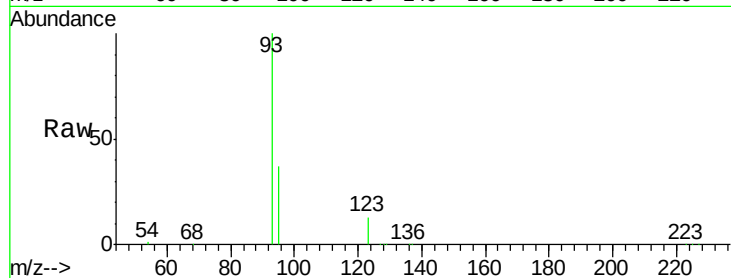




#11
bis(2-Chloroethoxy)methane
Concen: 4.01 ng
RT: 10.42 min Scan# 433
Delta R.T. -0.00 min
Lab File: BE091955.D
Acq: 24 Jun 2016 20:28

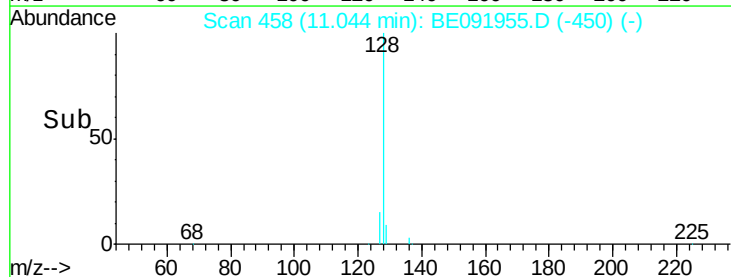
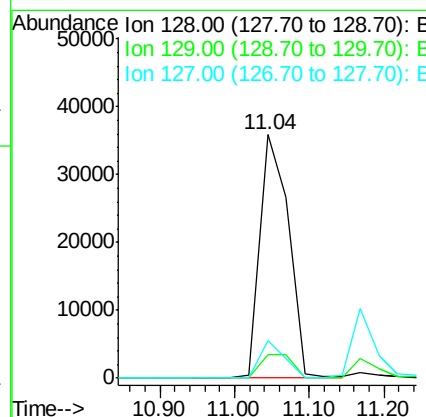
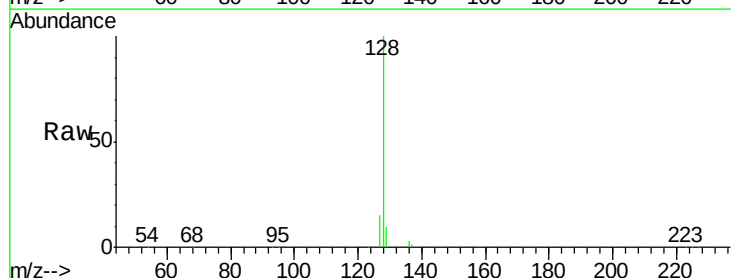
Instrument :
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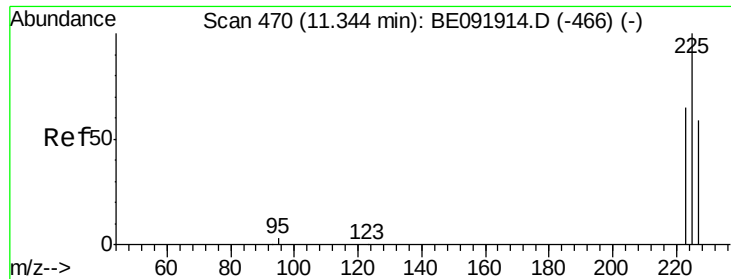
Tgt Ion: 93 Resp: 39455
Ion Ratio Lower Upper
93 100
95 33.6 57.6 86.4#
123 10.7 100.2 150.4#



#12
Naphthalene
Concen: 3.87 ng
RT: 11.04 min Scan# 458
Delta R.T. -0.00 min
Lab File: BE091955.D
Acq: 24 Jun 2016 20:28

Tgt Ion: 128 Resp: 94971
Ion Ratio Lower Upper
128 100
129 9.6 10.4 15.6#
127 15.4 10.2 15.2#

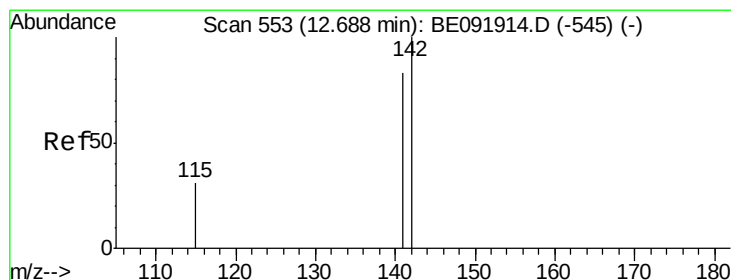
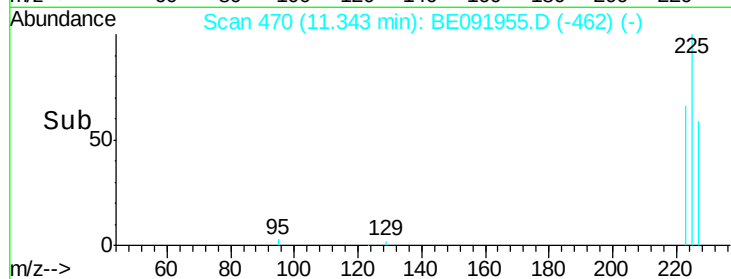
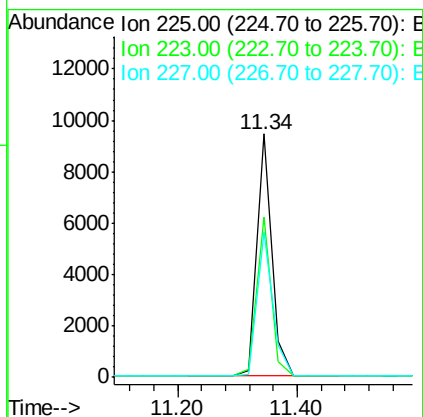
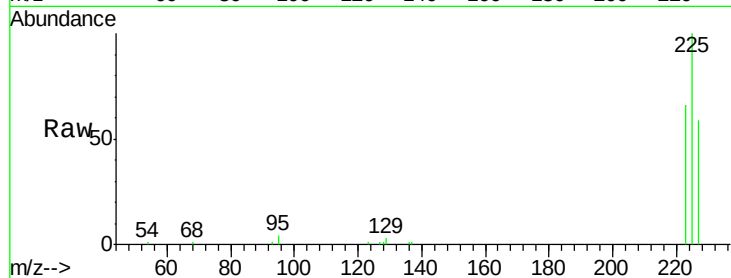




#13
Hexachlorobutadiene
Concen: 4.16 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091955.D
Acq: 24 Jun 2016 20:28

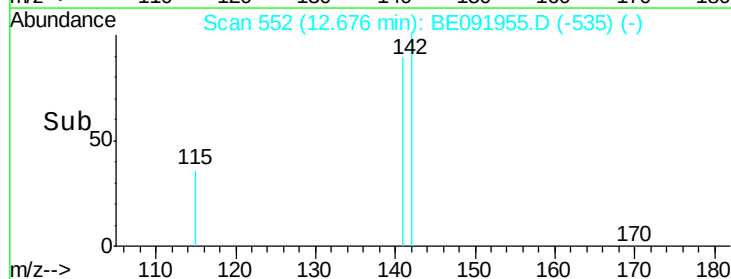
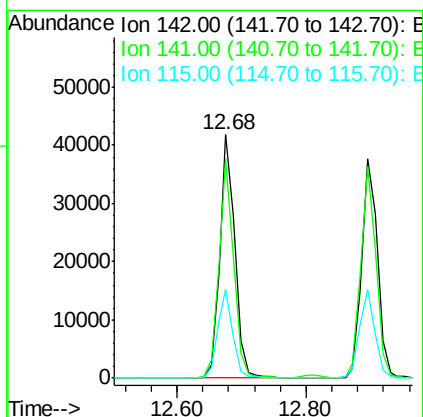
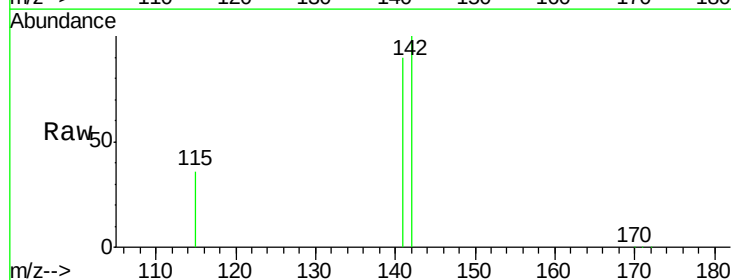
Instrument :
BNA_E
ClientSampleId :
PB91622BS

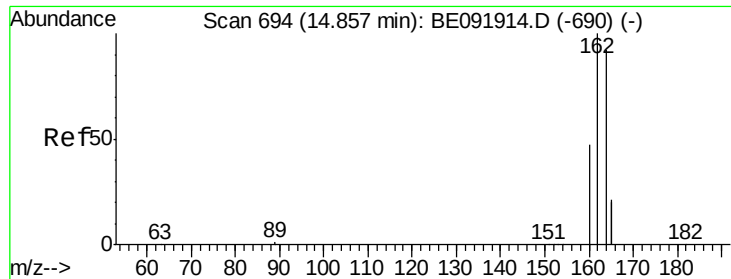
Tgt Ion: 225 Resp: 16531
Ion Ratio Lower Upper
225 100
223 63.8 49.8 74.8
227 62.5 50.6 75.8



#14
2-Methylnaphthalene
Concen: 4.12 ng
RT: 12.68 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE091955.D
Acq: 24 Jun 2016 20:28

Tgt Ion: 142 Resp: 68622
Ion Ratio Lower Upper
142 100
141 90.2 71.9 107.9
115 36.4 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS

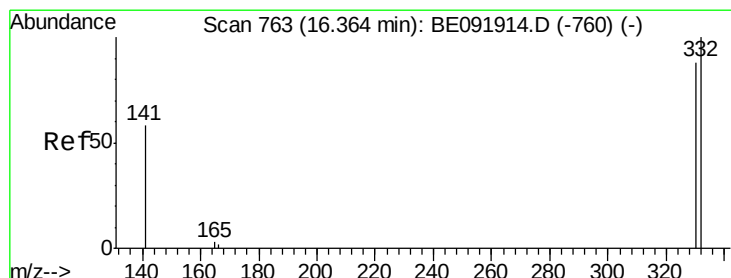
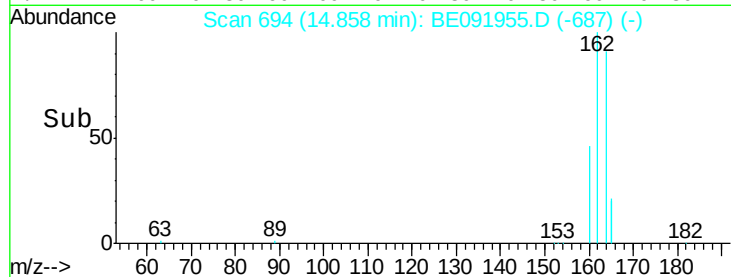
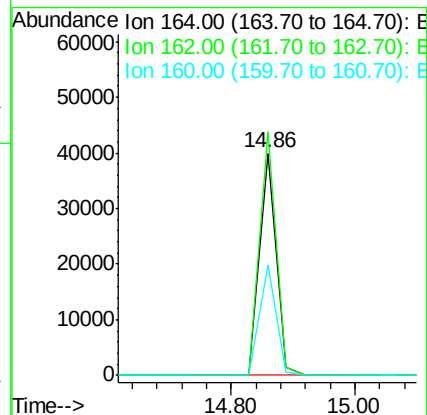
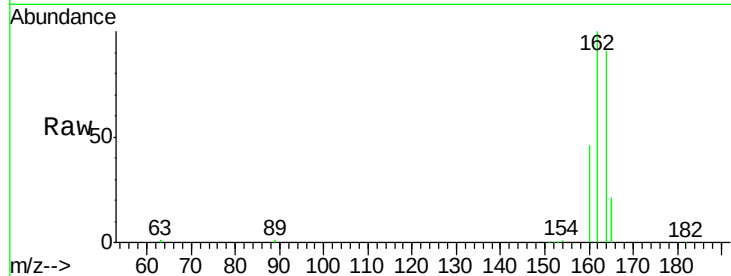
Tgt Ion:164 Resp: 74699

Ion Ratio Lower Upper

164 100

162 109.7 71.8 107.8#

160 50.0 28.0 42.0#



#16

2,4,6-Tribromophenol

Concen: 9.64 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

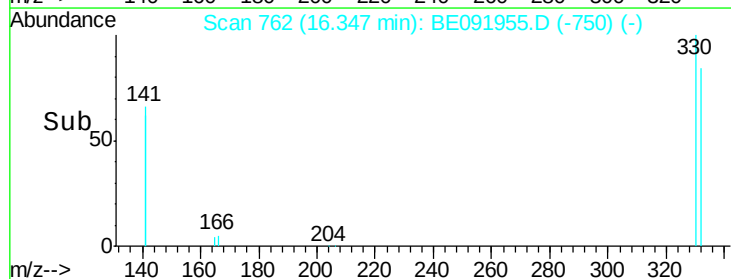
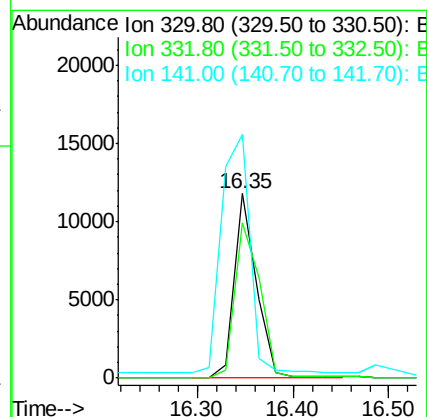
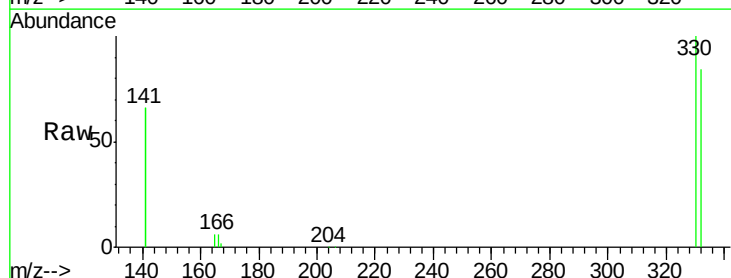
Tgt Ion:330 Resp: 18768

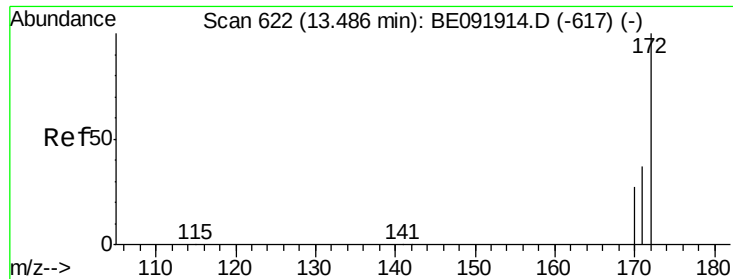
Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

141 167.8 138.4 207.6

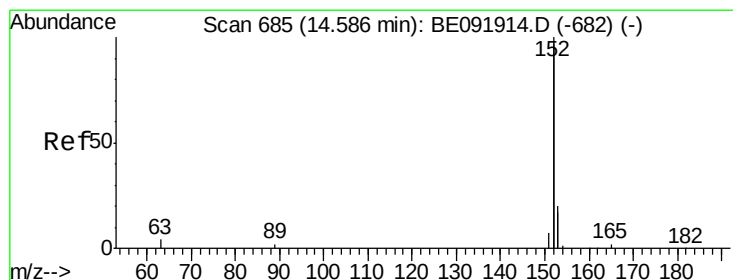
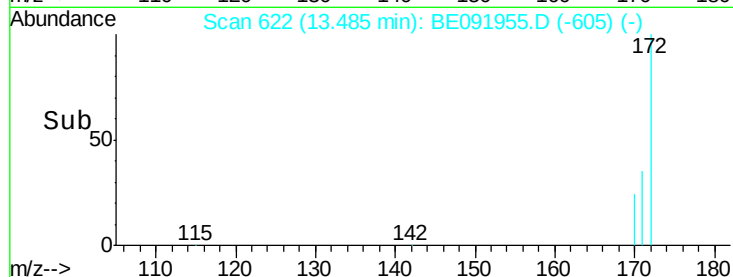
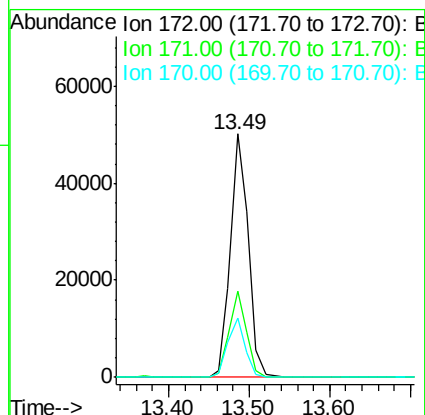
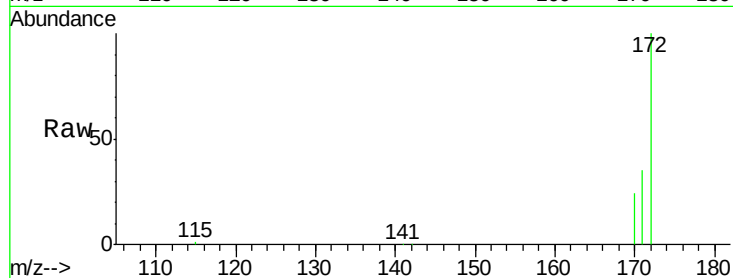




#17
 2-Fluorobiphenyl
 Concen: 4.04 ng
 RT: 13.49 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE091955.D
 Acq: 24 Jun 2016 20:28

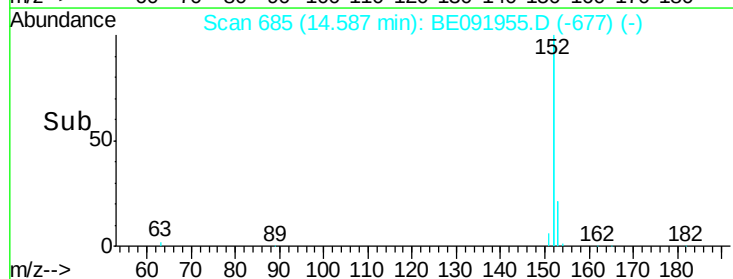
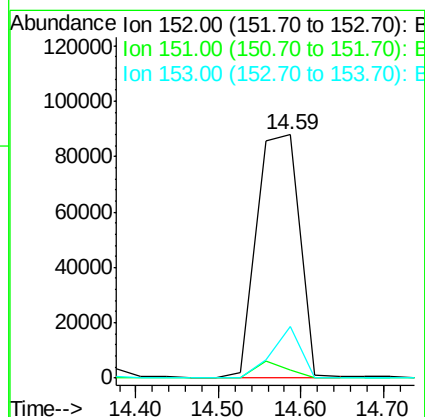
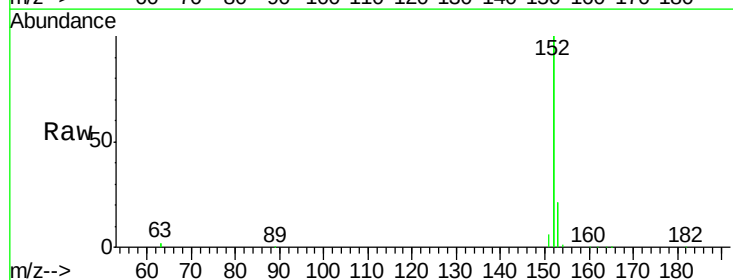
Instrument :
 BNA_E
 ClientSampleId :
 PB91622BS

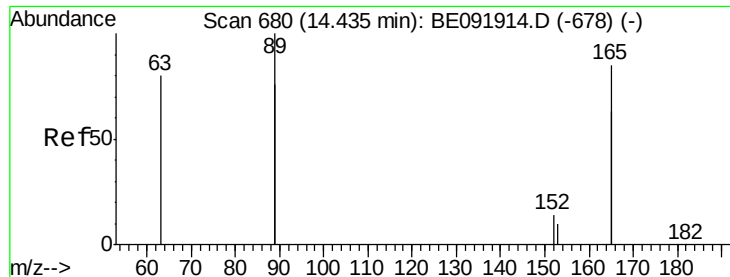
Tgt Ion:172 Resp: 76605
 Ion Ratio Lower Upper
 172 100
 171 35.3 24.3 36.5
 170 24.3 14.9 22.3#



#18
 Acenaphthylene
 Concen: 4.20 ng
 RT: 14.59 min Scan# 685
 Delta R.T. 0.03 min
 Lab File: BE091955.D
 Acq: 24 Jun 2016 20:28

Tgt Ion:152 Resp: 318138
 Ion Ratio Lower Upper
 152 100
 151 0.0 19.4 29.2#
 153 14.2 14.4 21.6#

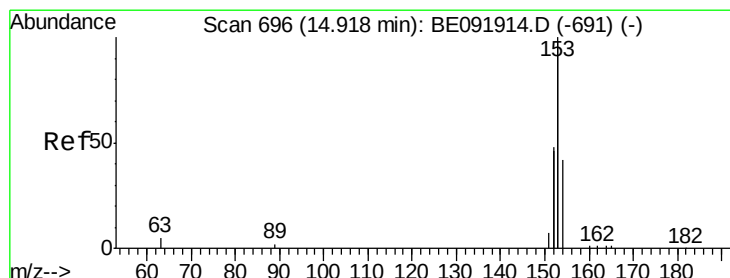
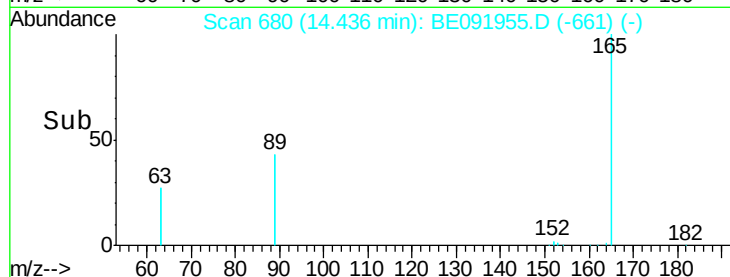
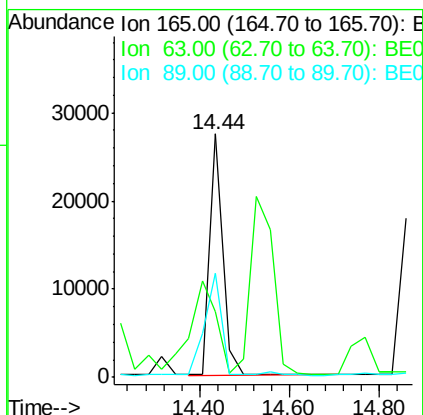
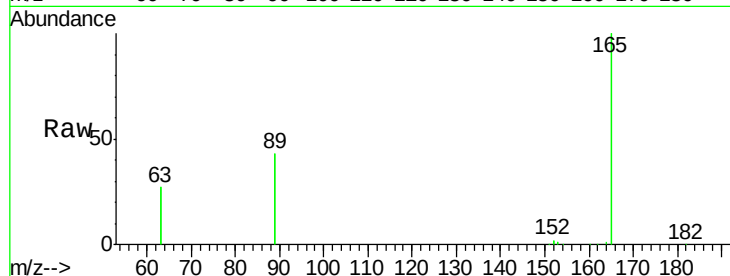




#19
2,6-Dinitrotoluene
Concen: 3.47 ng
RT: 14.44 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE091955.D
Acq: 24 Jun 2016 20:28

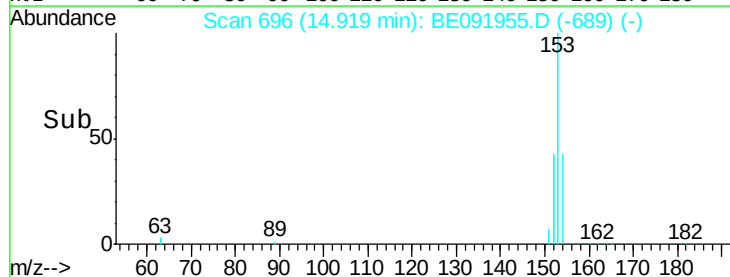
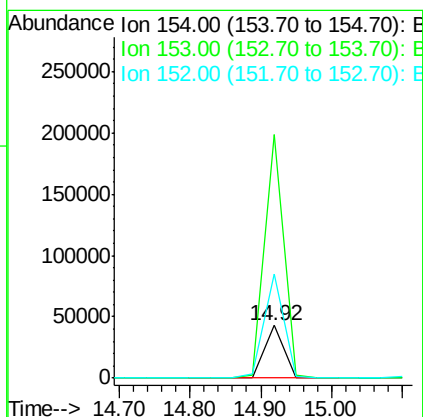
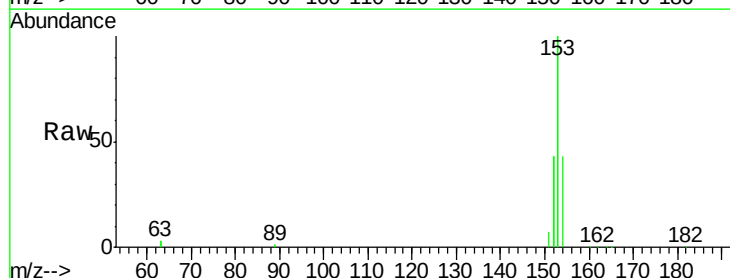
Instrument :
BNA_E
ClientSampleId :
PB91622BS

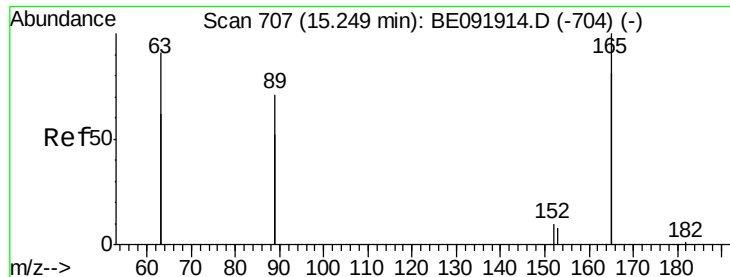
Tgt Ion:165 Resp: 56361
Ion Ratio Lower Upper
165 100
63 0.0 65.9 98.9#
89 52.7 59.1 88.7#



#20
Acenaphthene
Concen: 3.84 ng
RT: 14.92 min Scan# 696
Delta R.T. 0.00 min
Lab File: BE091955.D
Acq: 24 Jun 2016 20:28

Tgt Ion:154 Resp: 80261
Ion Ratio Lower Upper
154 100
153 455.9 88.1 132.1#
152 198.7 44.2 66.2#

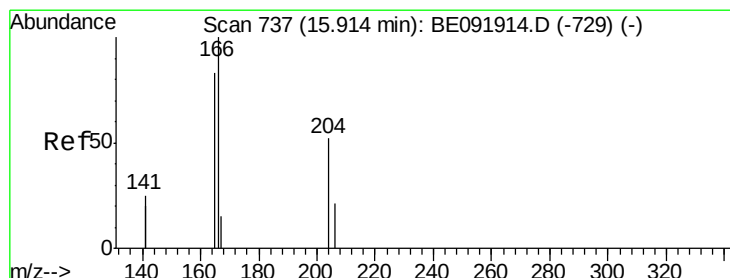
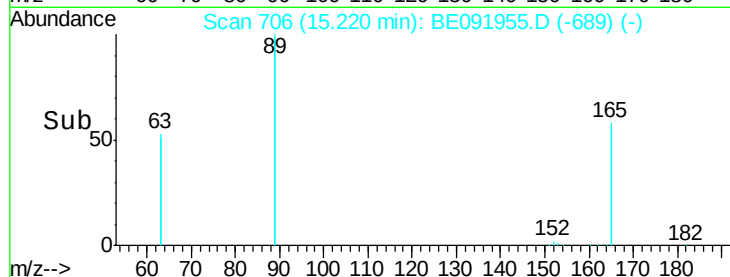
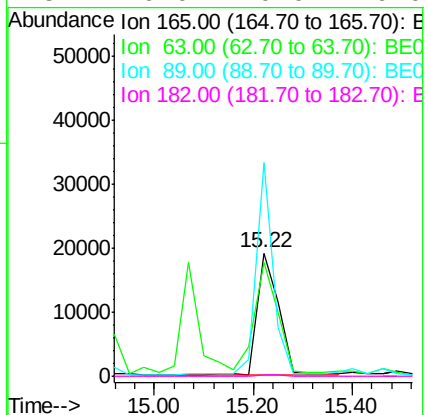
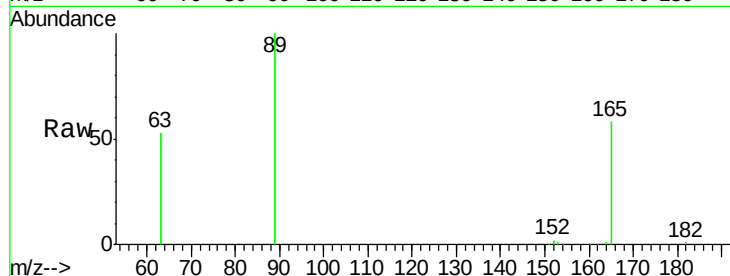




#21
2,4-Dinitrotoluene
Concen: 3.78 ng
RT: 15.22 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE091955.D
Acq: 24 Jun 2016 20:28

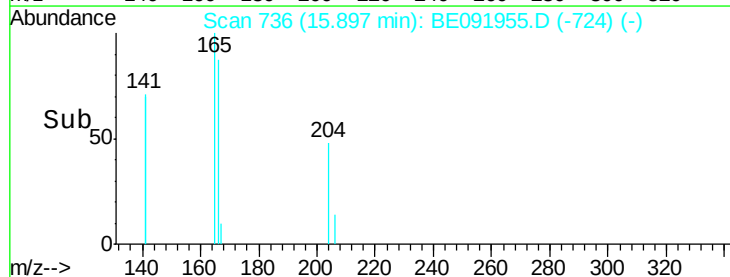
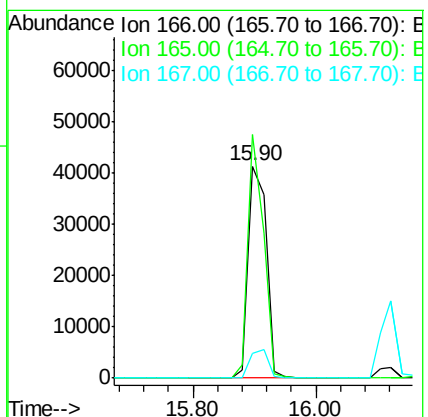
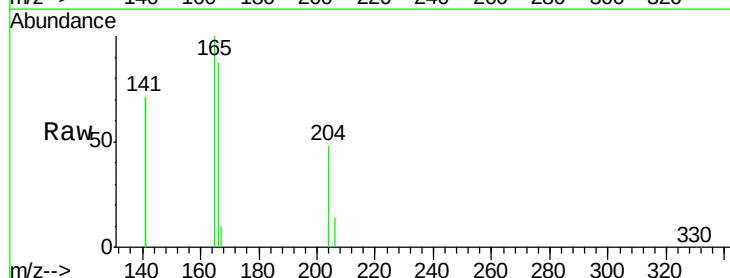
Instrument :
BNA_E
ClientSampleId :
PB91622BS

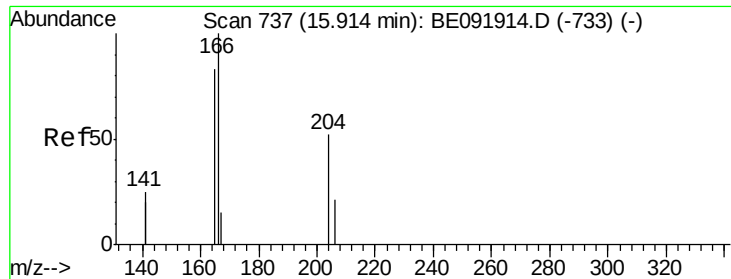
Tgt Ion:165 Resp: 56136
Ion Ratio Lower Upper
165 100
63 99.8 0.0 0.0#
89 145.5 99.8 149.8
182 0.0 0.0 0.0



#22
Fluorene
Concen: 4.00 ng
RT: 15.90 min Scan# 736
Delta R.T. 0.00 min
Lab File: BE091955.D
Acq: 24 Jun 2016 20:28

Tgt Ion:166 Resp: 83182
Ion Ratio Lower Upper
166 100
165 99.0 78.6 117.8
167 13.5 10.8 16.2

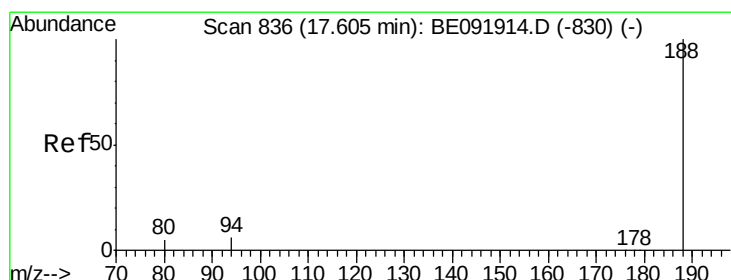
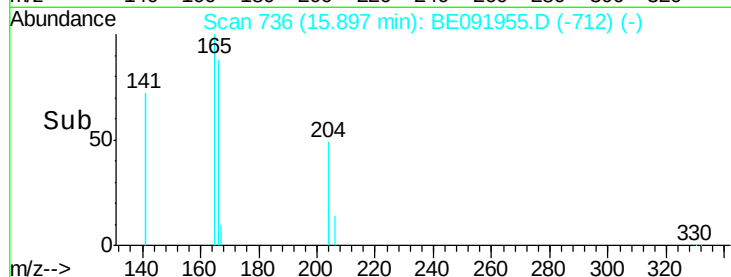
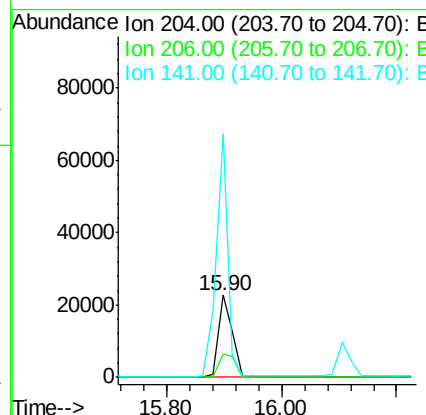
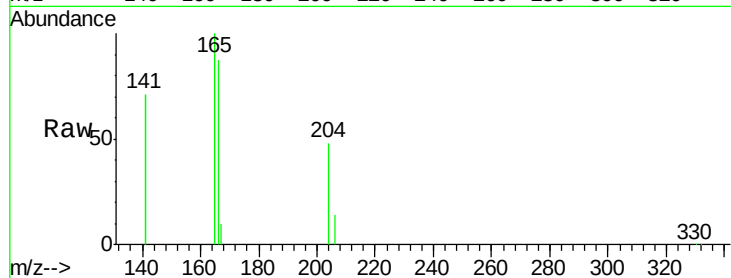




#23
4-Chlorophenyl-phenylether
Concen: 3.72 ng
RT: 15.90 min Scan# 736
Delta R.T. 0.00 min
Lab File: BE091955.D
Acq: 24 Jun 2016 20:28

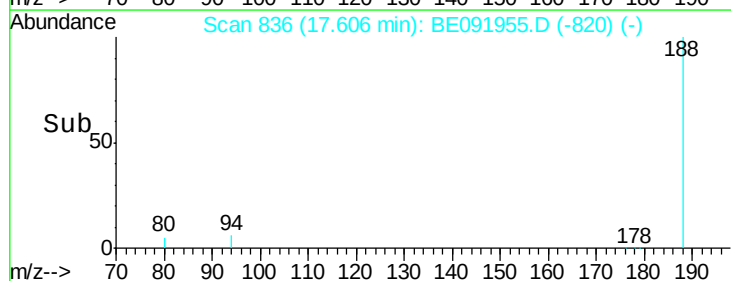
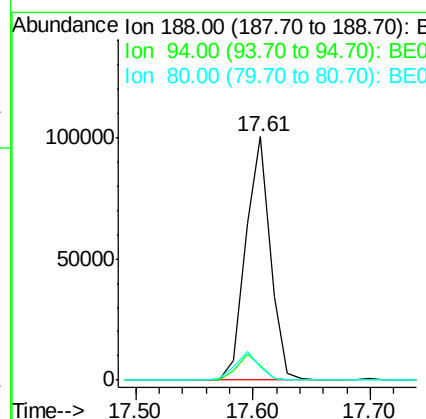
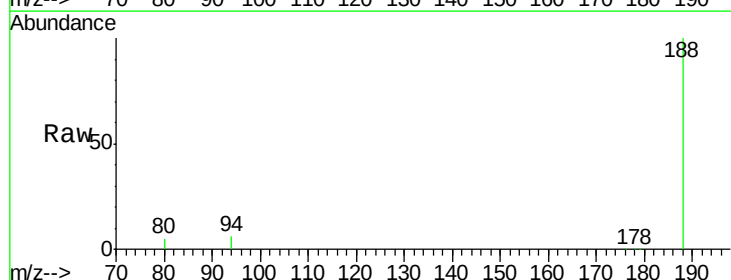
Instrument :
BNA_E
ClientSampleId :
PB91622BS

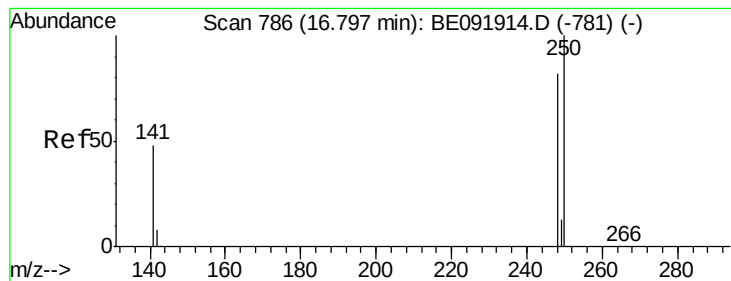
Tgt Ion:204 Resp: 38123
Ion Ratio Lower Upper
204 100
206 34.2 27.8 41.6
141 249.8 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. 0.00 min
Lab File: BE091955.D
Acq: 24 Jun 2016 20:28

Tgt Ion:188 Resp: 147387
Ion Ratio Lower Upper
188 100
94 6.2 4.1 6.1#
80 5.4 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 4.16 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS

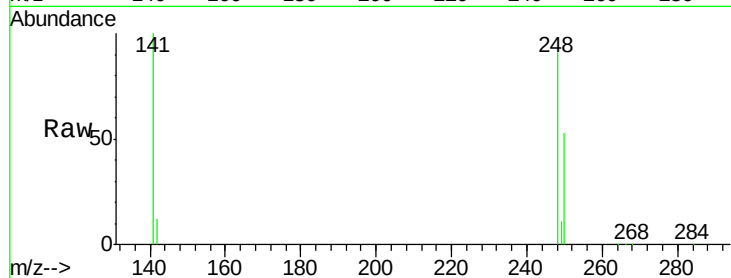
Tgt Ion:248 Resp: 23704

Ion Ratio Lower Upper

248 100

250 97.0 75.7 113.5

141 81.2 64.6 97.0

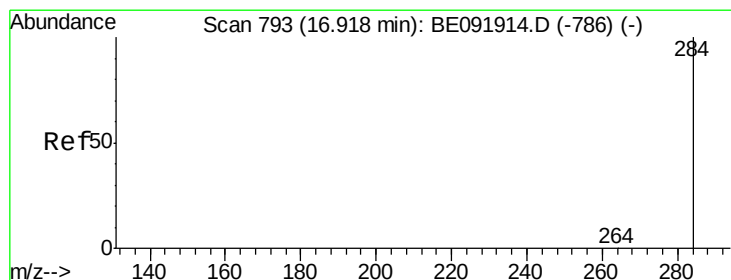
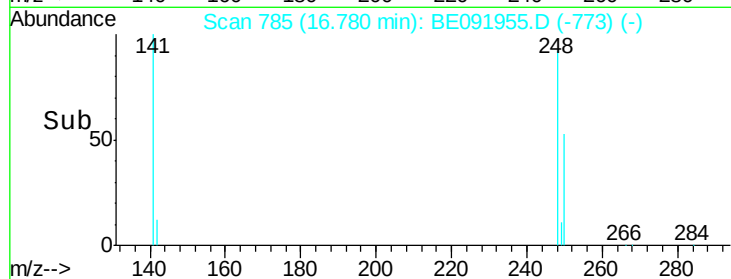
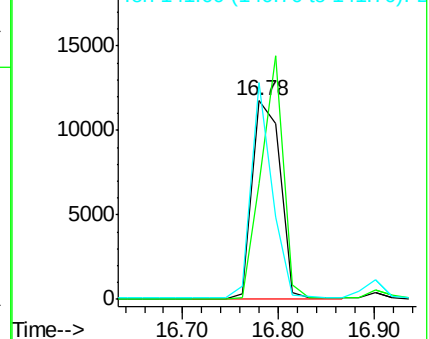


Abundance

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: 4.16 ng

RT: 16.92 min Scan# 793

Delta R.T. -0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

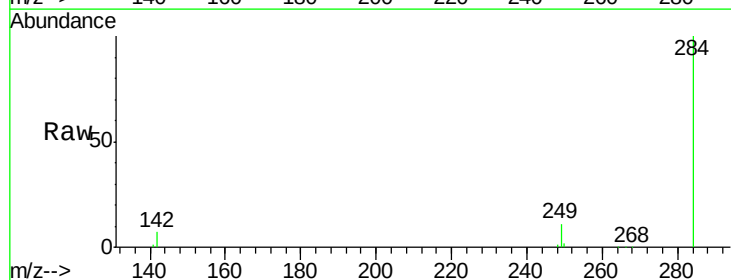
Tgt Ion:284 Resp: 24304

Ion Ratio Lower Upper

284 100

142 41.7 31.4 47.2

249 33.7 25.3 37.9

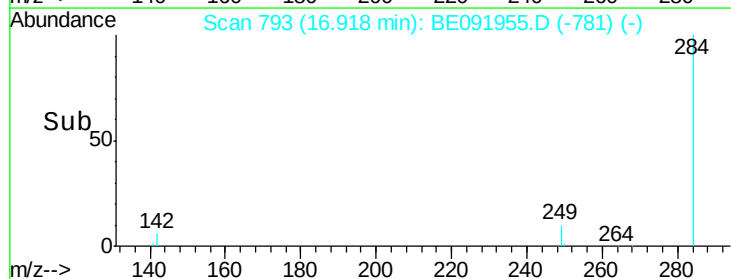
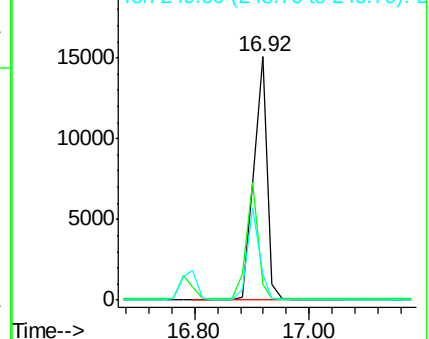


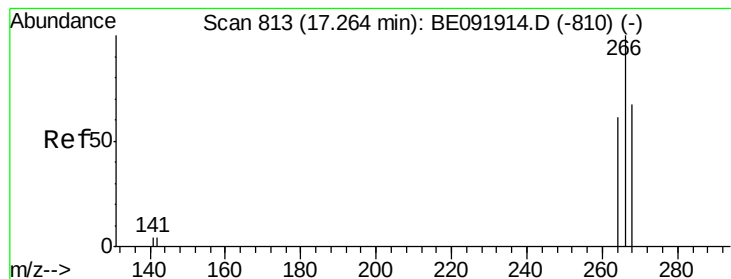
Abundance

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: 8.33 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS

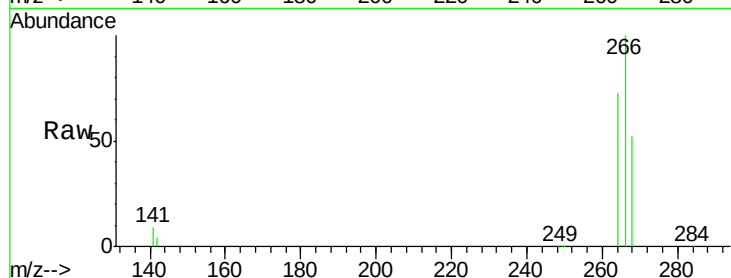
Tgt Ion:266 Resp: 29772

Ion Ratio Lower Upper

266 100

268 52.0 60.5 90.7#

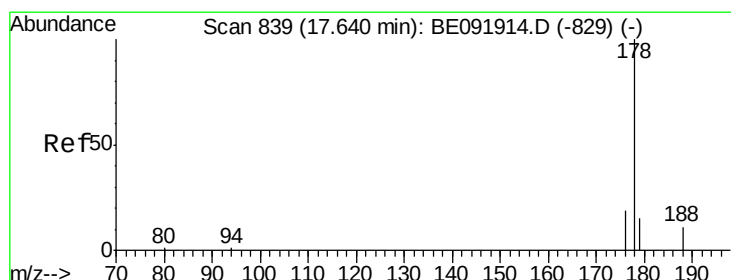
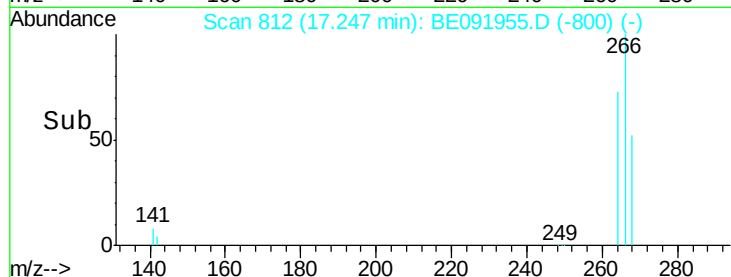
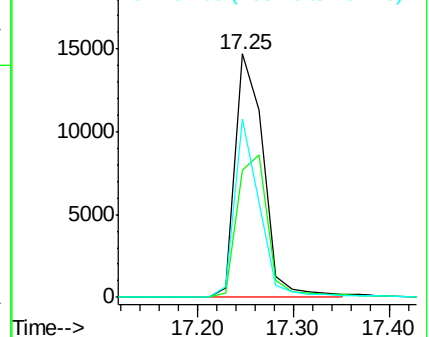
264 73.2 51.0 76.4



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: 4.08 ng

RT: 17.64 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

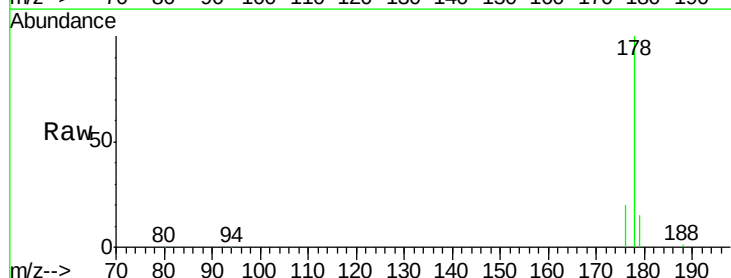
Tgt Ion:178 Resp: 150153

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

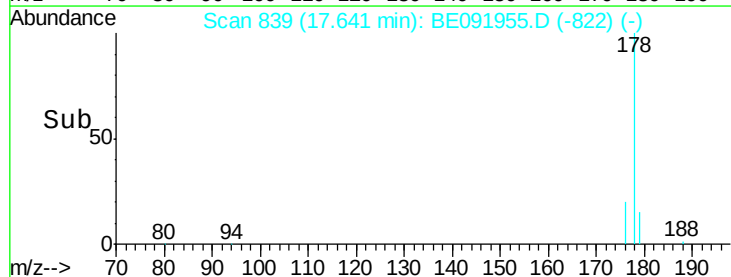
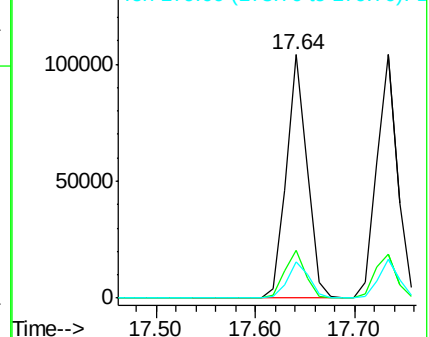
179 15.4 12.9 19.3

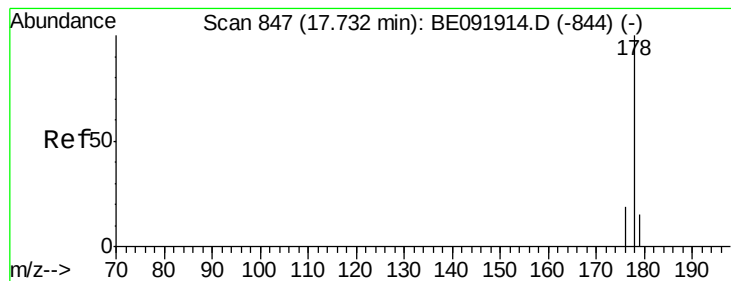


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 4.61 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS

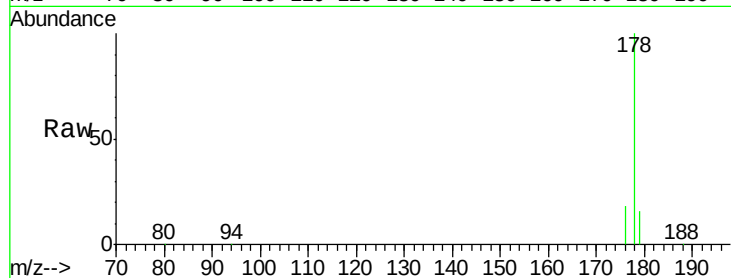
Tgt Ion:178 Resp: 150420

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

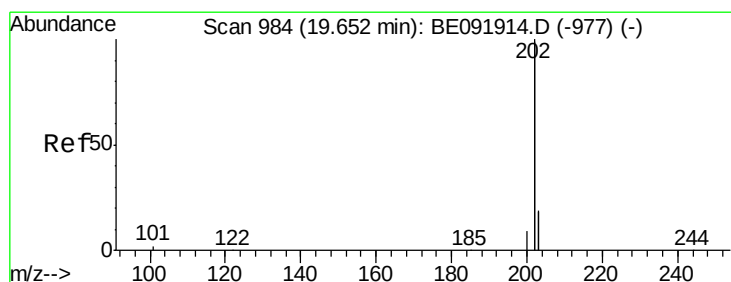
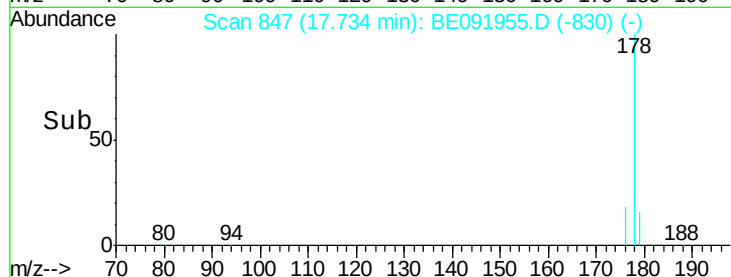
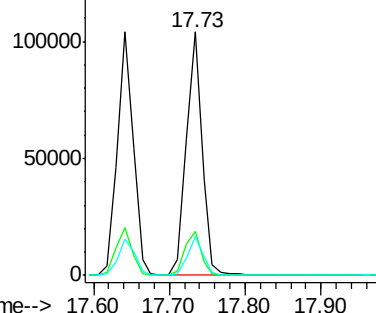
179 15.3 12.1 18.1



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: 4.97 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

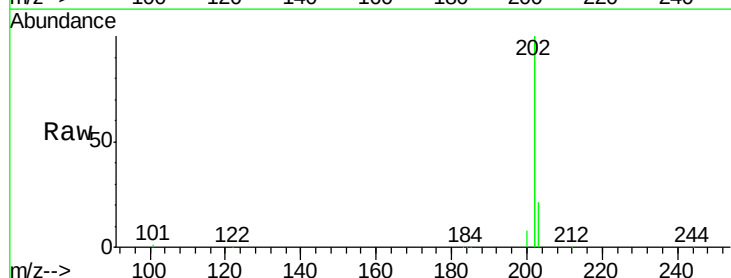
Tgt Ion:202 Resp: 785079

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

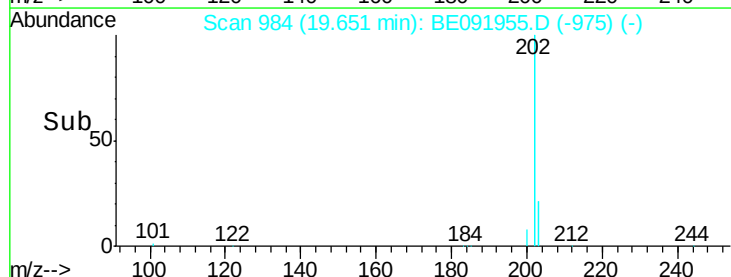
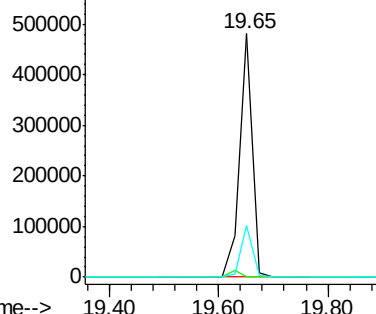
203 19.4 14.3 21.5

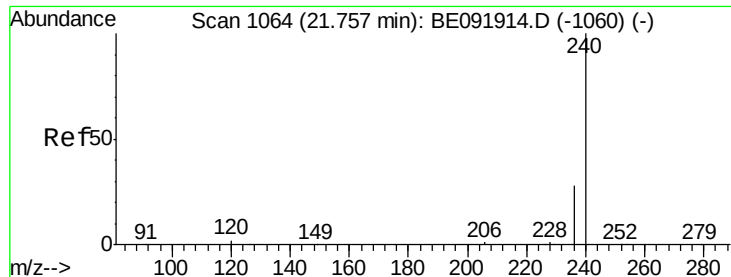


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS

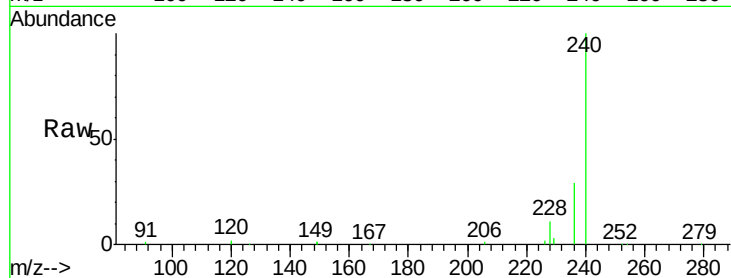
Tgt Ion:240 Resp: 253213

Ion Ratio Lower Upper

240 100

120 2.0 1.2 1.8#

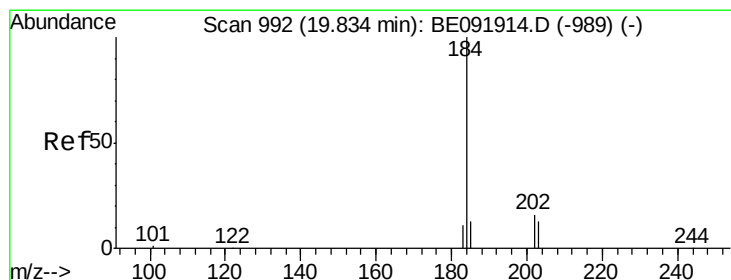
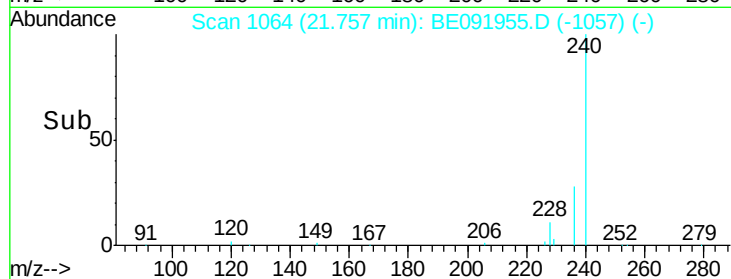
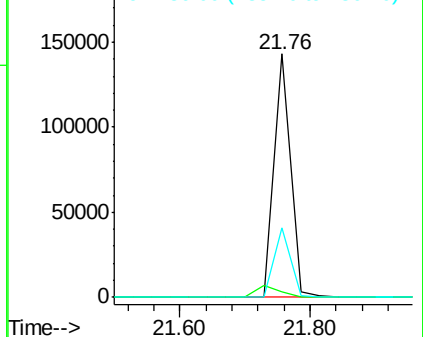
236 28.5 19.8 29.8



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: 3.80 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

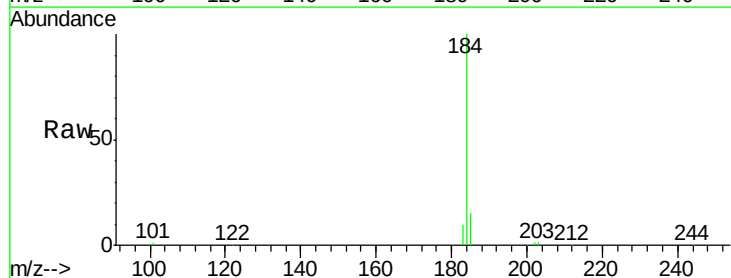
Tgt Ion:184 Resp: 61224

Ion Ratio Lower Upper

184 100

185 15.2 11.4 17.2

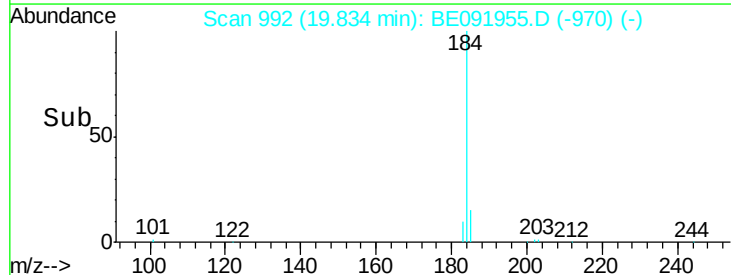
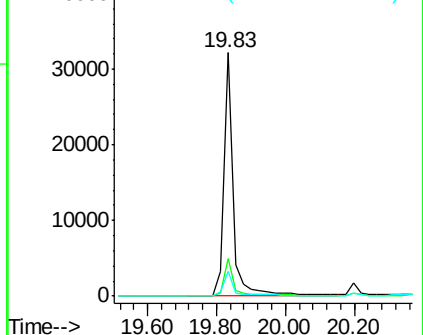
183 10.1 11.8 17.6#

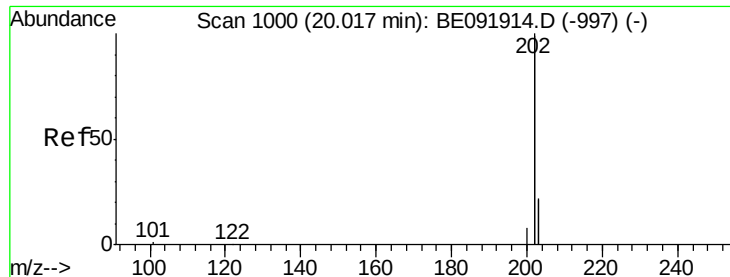


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

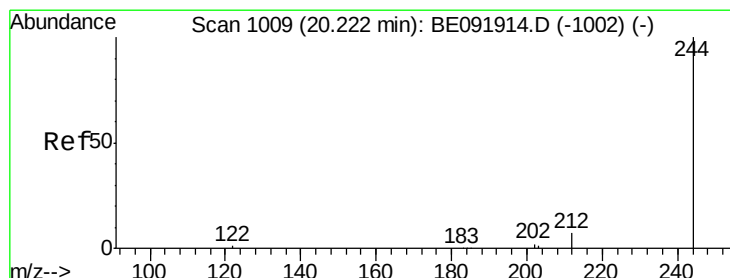
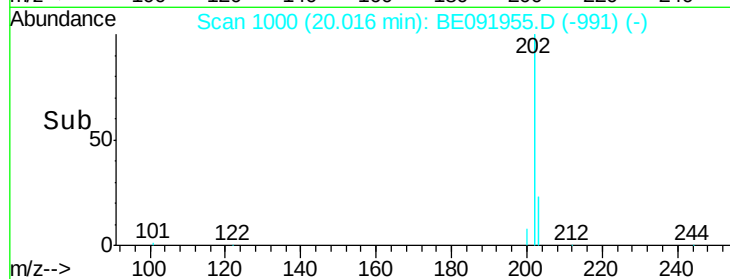
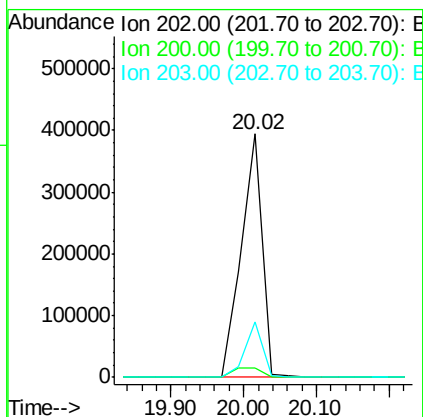
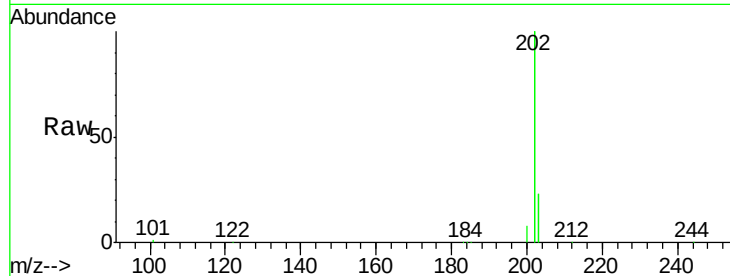




#33
 Pyrene
 Concen: 4.55 ng
 RT: 20.02 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: BE091955.D
 Acq: 24 Jun 2016 20:28

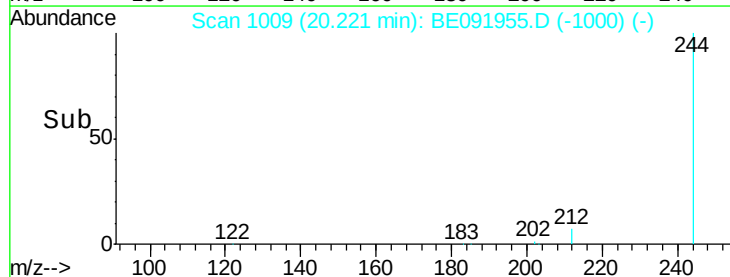
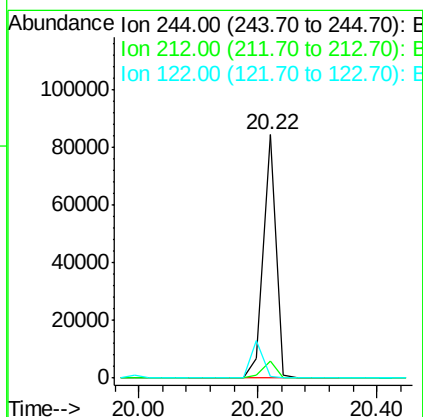
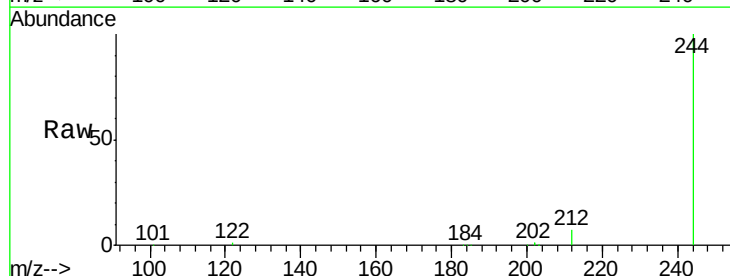
Instrument :
 BNA_E
 ClientSampleId :
 PB91622BS

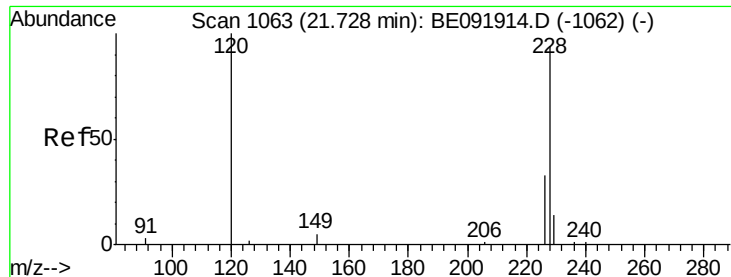
Tgt Ion: 202 Resp: 784519
 Ion Ratio Lower Upper
 202 100
 200 5.3 16.9 25.3#
 203 19.3 14.1 21.1



#34
 Terphenyl-d14
 Concen: 4.10 ng
 RT: 20.22 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BE091955.D
 Acq: 24 Jun 2016 20:28

Tgt Ion: 244 Resp: 127196
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 0.5 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 10.64 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS

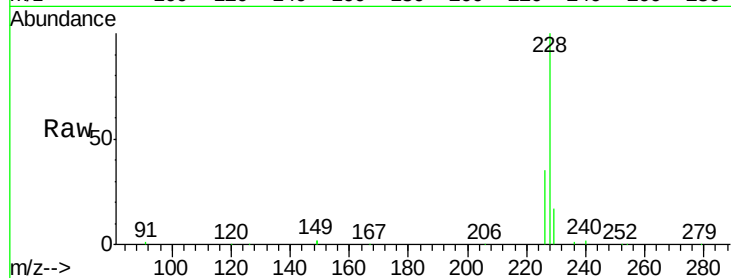
Tgt Ion:228 Resp: 423346

Ion Ratio Lower Upper

228 100

226 34.8 21.0 31.4#

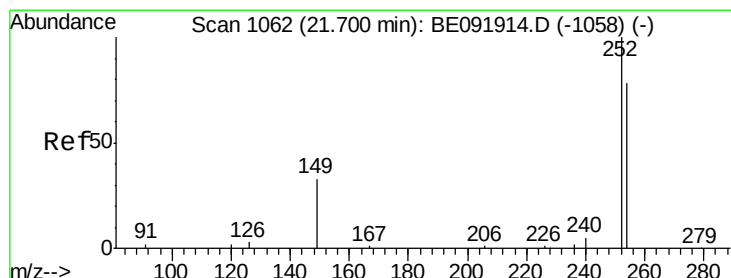
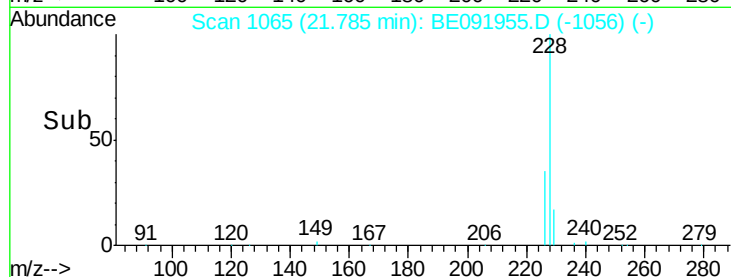
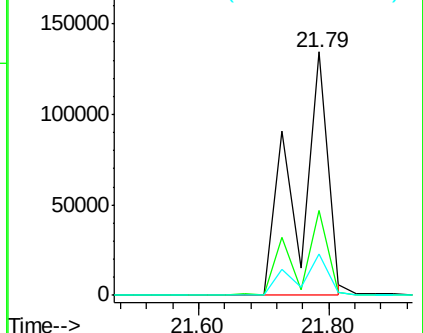
229 16.9 15.8 23.8



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: 7.47 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

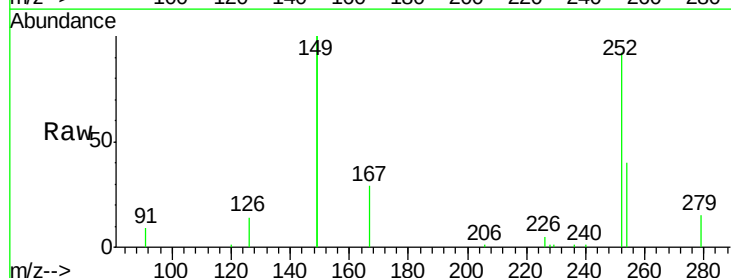
Tgt Ion:252 Resp: 48121

Ion Ratio Lower Upper

252 100

254 43.9 61.5 92.3#

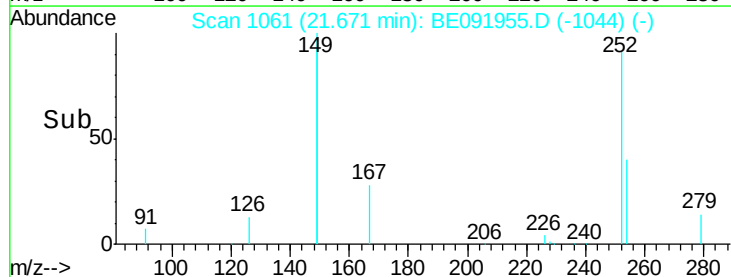
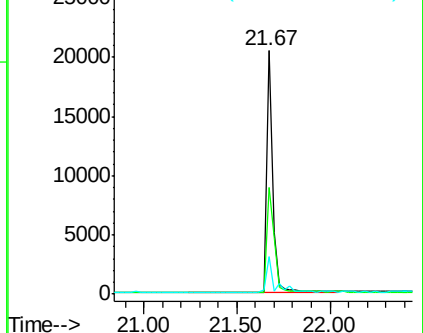
126 15.2 2.5 3.7#

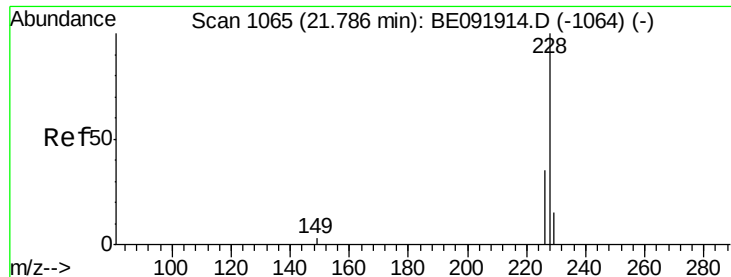


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 7.33 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS

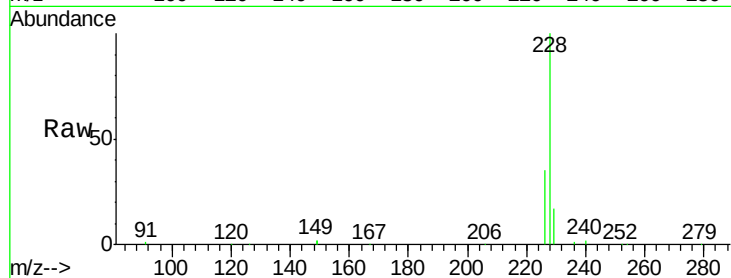
Tgt Ion:228 Resp: 425987

Ion Ratio Lower Upper

228 100

226 34.8 27.0 40.6

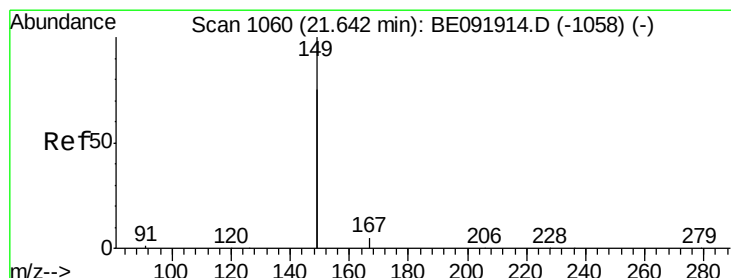
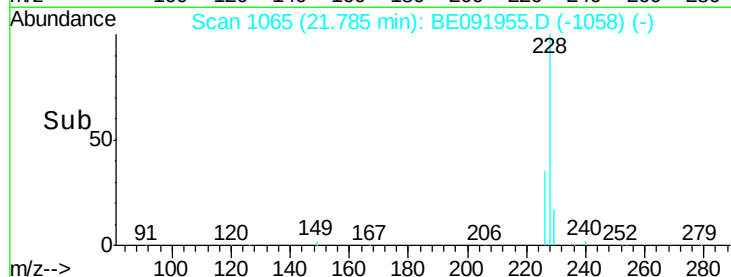
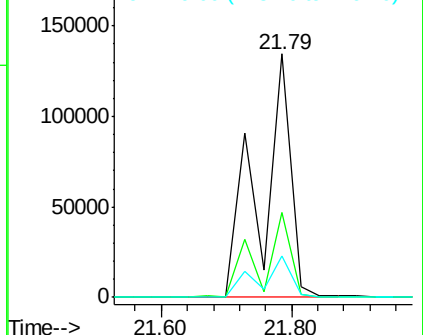
229 16.9 13.8 20.8



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: 6.09 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

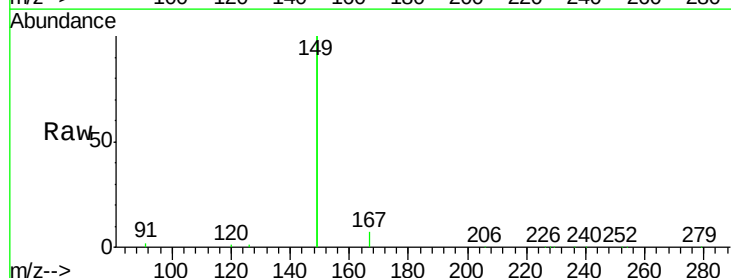
Tgt Ion:149 Resp: 282255

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

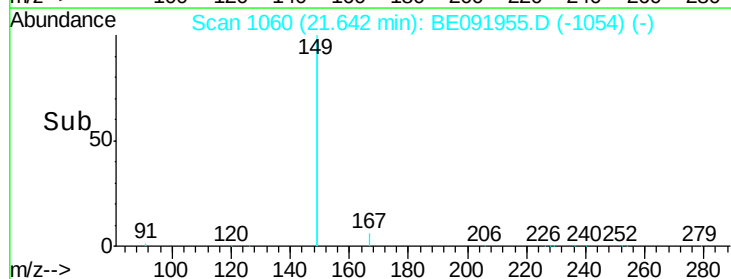
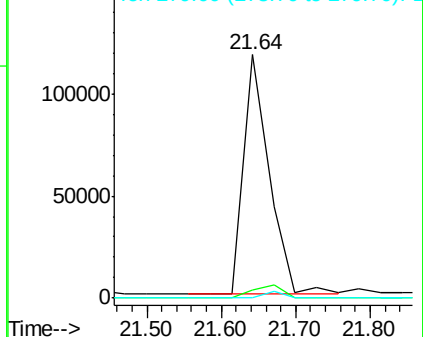
279 0.0 0.0 0.0

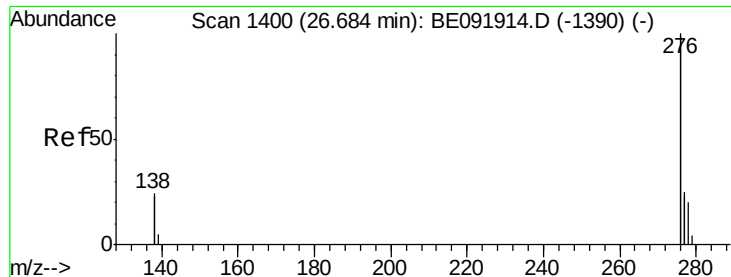


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.79 ng

RT: 26.69 min Scan# 1401

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS

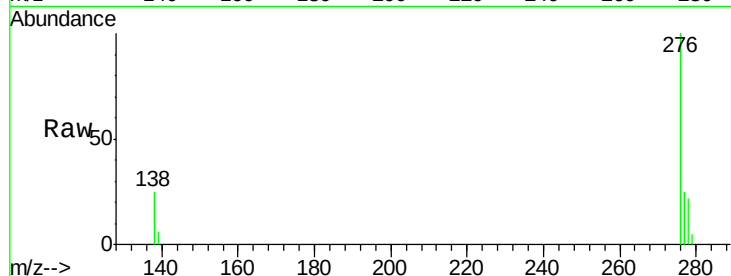
Tgt Ion:276 Resp: 951163

Ion Ratio Lower Upper

276 100

138 25.9 19.7 29.5

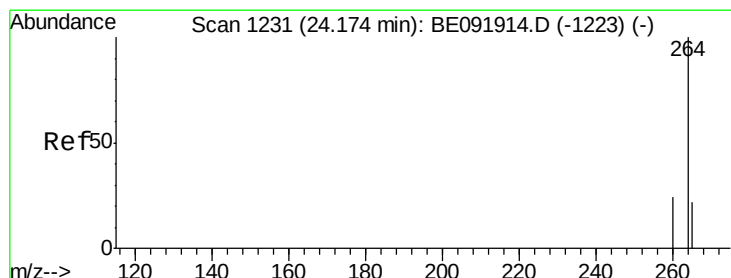
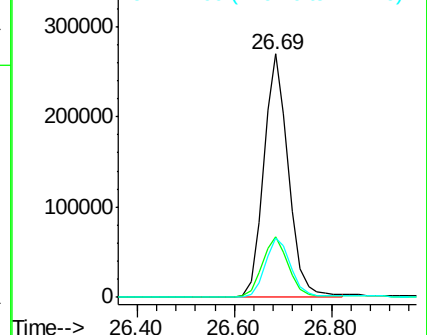
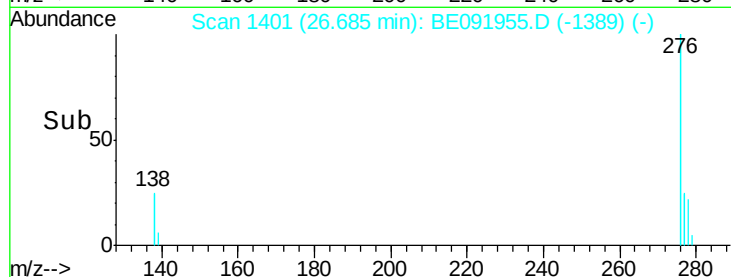
277 25.0 20.1 30.1



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: 24.18 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

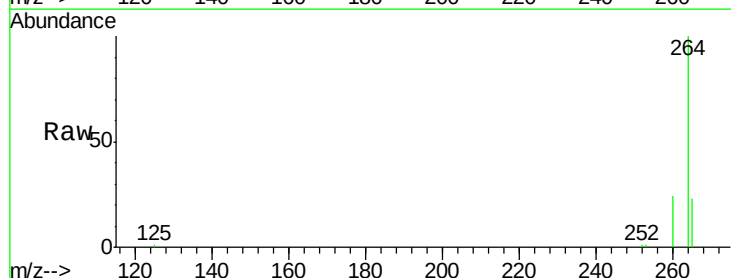
Tgt Ion:264 Resp: 196433

Ion Ratio Lower Upper

264 100

260 24.3 20.3 30.5

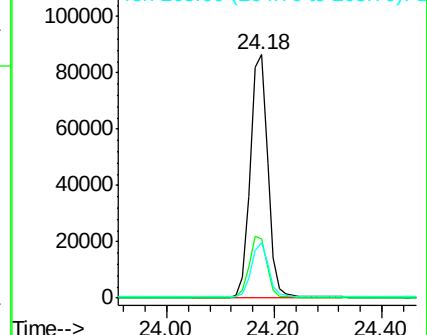
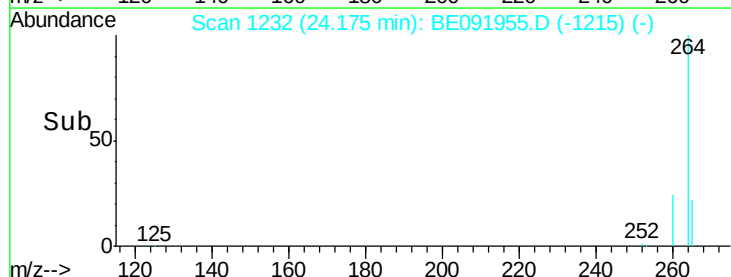
265 22.9 17.6 26.4

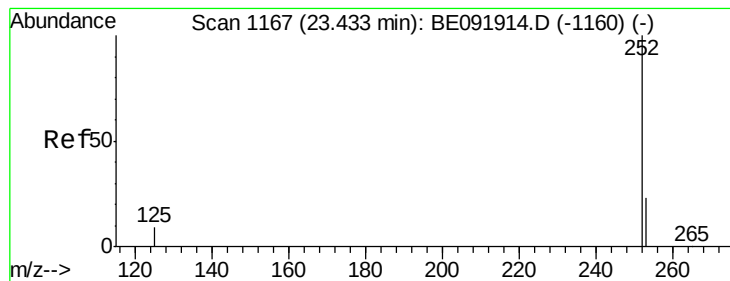


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 4.18 ng

RT: 23.42 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS

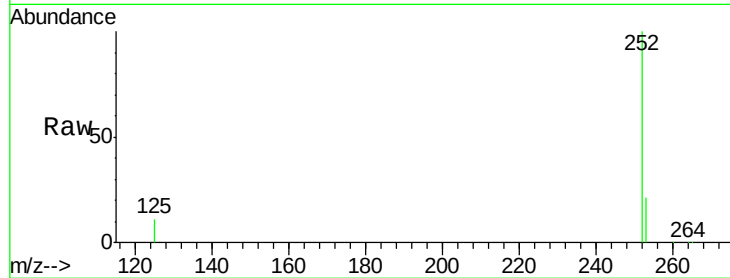
Tgt Ion:252 Resp: 210907

Ion Ratio Lower Upper

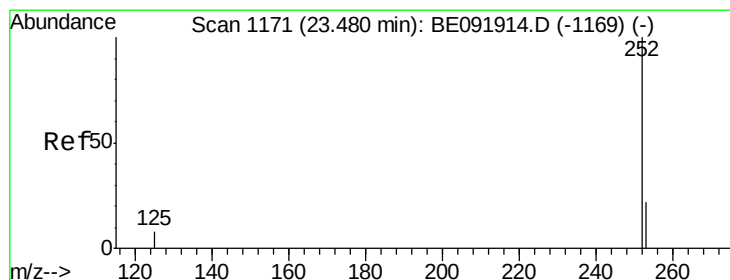
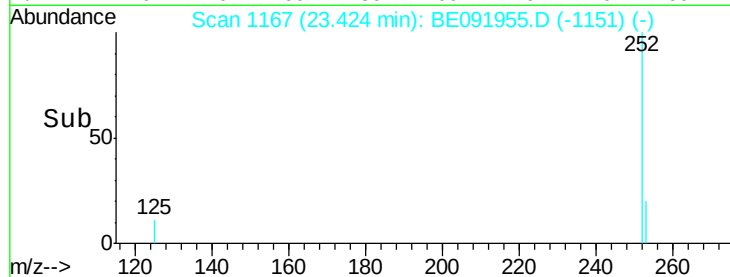
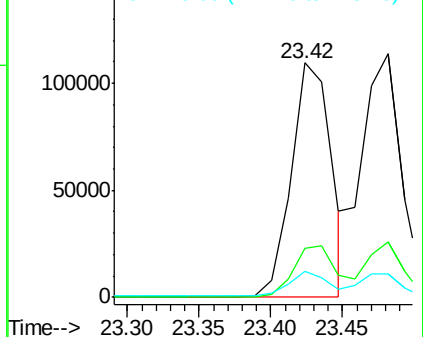
252 100

253 20.8 17.8 26.6

125 11.2 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: 4.76 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

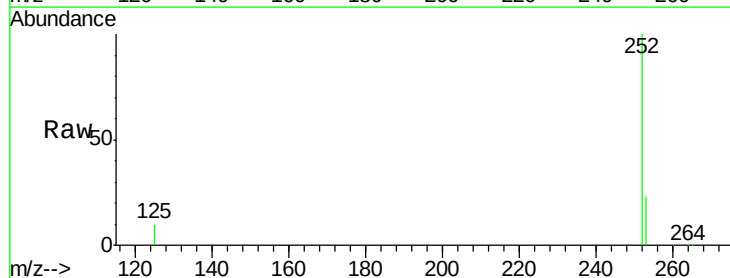
Tgt Ion:252 Resp: 219492

Ion Ratio Lower Upper

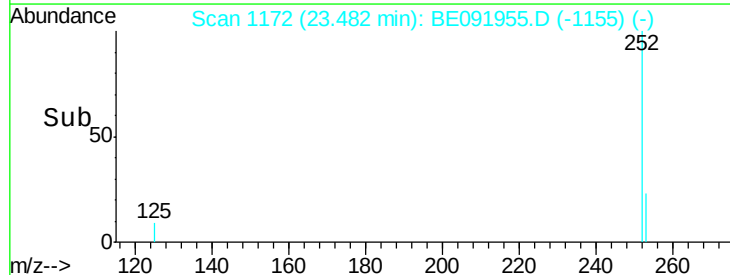
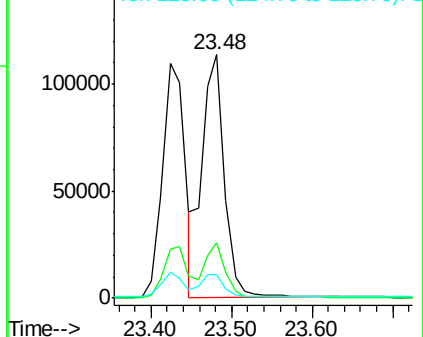
252 100

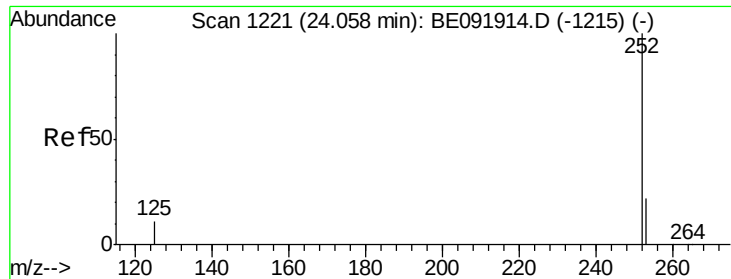
253 23.0 19.4 29.2

125 9.5 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: 4.82 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS

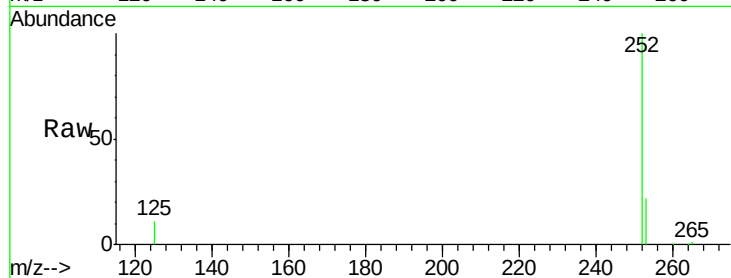
Tgt Ion: 252 Resp: 212608

Ion Ratio Lower Upper

252 100

253 22.1 18.9 28.3

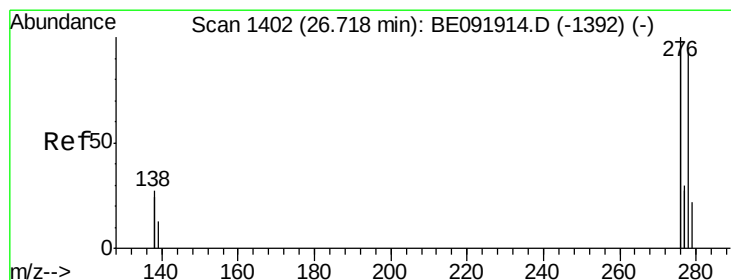
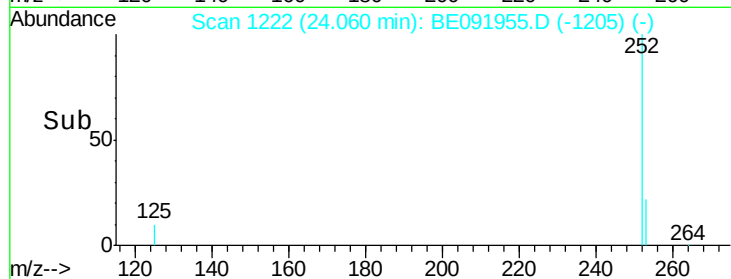
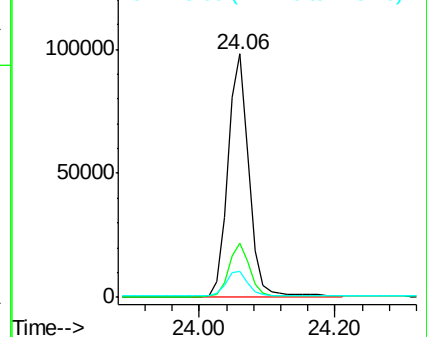
125 10.9 10.5 15.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 4.65 ng

RT: 26.70 min Scan# 1402

Delta R.T. -0.02 min

Lab File: BE091955.D

Acq: 24 Jun 2016 20:28

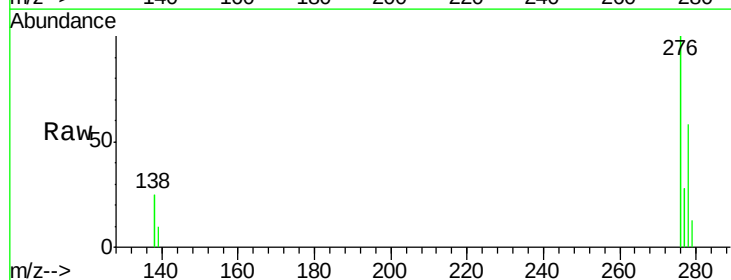
Tgt Ion: 278 Resp: 199235

Ion Ratio Lower Upper

278 100

139 18.2 12.6 18.8

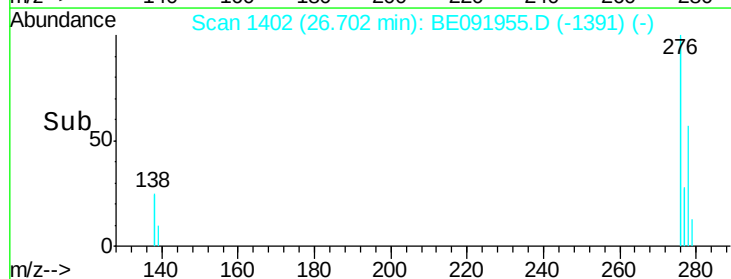
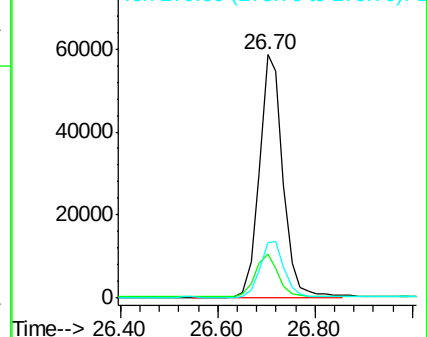
279 22.9 20.0 30.0

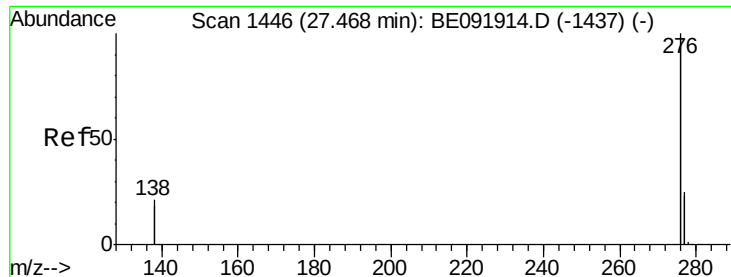


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.54 ng

RT: 27.47 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BE091955.D

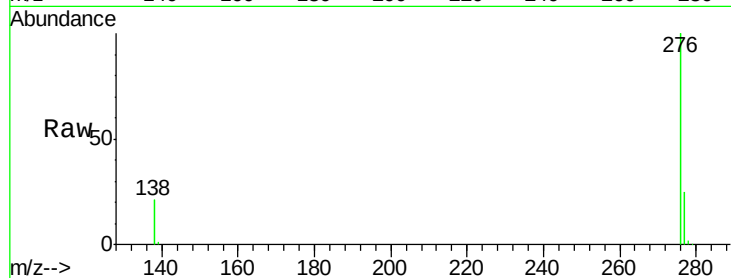
Acq: 24 Jun 2016 20:28

Instrument :

BNA_E

ClientSampleId :

PB91622BS



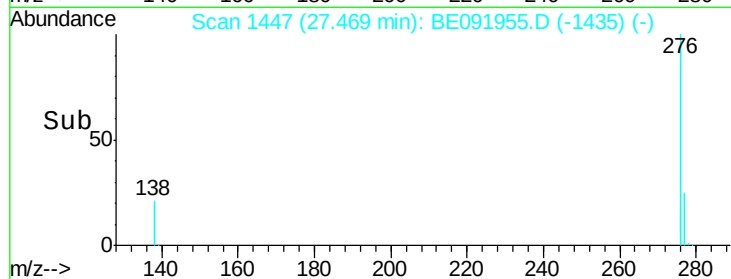
Tgt Ion: 276 Resp: 803971

Ion Ratio Lower Upper

276 100

277 24.7 19.5 29.3

138 20.7 17.7 26.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

