

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062416\
 Data File : BE091953.D
 Acq On : 24 Jun 2016 19:14
 Operator : UM/SJ
 Sample : PB91612BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91612BS

Quant Time: Jun 24 23:00:01 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	8.21	152	27861	5.00	ng	0.02
8) Naphthalene-d8	11.02	136	116646	5.00	ng	0.03
15) Acenaphthene-d10	14.86	164	68595	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	147789	5.00	ng	0.00
31) Chrysene-d12	21.76	240	255668	5.00	ng	0.00
40) Perylene-d12	24.18	264	195509	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	50461	9.27	ng	0.00
5) Phenol-d6	7.37	99	66533	7.45	ng	0.02
9) Nitrobenzene-d5	9.36	82	37079	4.60	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	17259	9.65	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	74243	4.26	ng	0.00
34) Terphenyl-d14	20.22	244	118327	3.78	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	10657	2.71	ng	# 85
3) n-Nitrosodimethylamine	3.82	42	16982	3.80	ng	99
6) bis(2-Chloroethyl)ether	7.63	93	29597	3.71	ng	95
7) n-Nitroso-di-n-propylamine	9.00	70	26555	3.51	ng	# 99
10) Nitrobenzene	9.40	77	36232	3.97	ng	# 98
11) bis(2-Chloroethoxy)methane	10.42	93	38362	3.76	ng	# 19
12) Naphthalene	11.04	128	90857	3.57	ng	# 92
13) Hexachlorobutadiene	11.34	225	15898	3.86	ng	98
14) 2-Methylnaphthalene	12.68	142	64293	3.72	ng	99
18) Acenaphthylene	14.59	152	299892	4.31	ng	# 68
19) 2,6-Dinitrotoluene	14.44	165	46443	3.14	ng	92
20) Acenaphthene	14.92	154	70365	3.67	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	47222	3.48	ng	# 65
22) Fluorene	15.91	166	77876	4.08	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	35563	3.78	ng	100
25) 4-Bromophenyl-phenylether	16.80	248	21645	3.79	ng	98
26) Hexachlorobenzene	16.92	284	22694	3.87	ng	99
27) Pentachlorophenol	17.25	266	26442	7.72	ng	# 79
28) Phenanthrene	17.64	178	134174	3.63	ng	99
29) Anthracene	17.73	178	137228	4.20	ng	100
30) Fluoranthene	19.65	202	698031	4.41	ng	# 85
32) Benzidine	19.83	184	57501	3.62	ng	# 93
33) Pyrene	20.02	202	697361	4.01	ng	# 80
35) Benzo(a)anthracene	21.79	228	360034	8.96	ng	# 88
36) 3,3'-Dichlorobenzidine	21.67	252	40299	6.19	ng	# 63
37) Chrysene	21.79	228	362677	6.18	ng	99
38) Bis(2-ethylhexyl)phthalate	21.64	149	226856	5.28	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	862210	4.30	ng	98
41) Benzo(b)fluoranthene	23.42	252	215281	4.29	ng	97
42) Benzo(k)fluoranthene	23.48	252	172435	3.75	ng	99
43) Benzo(a)pyrene	24.06	252	192258	4.38	ng	98
44) Dibenzo(a,h)anthracene	26.72	278	176881	4.14	ng	99
45) Benzo(g,h,i)perylene	27.47	276	726343	4.12	ng	99

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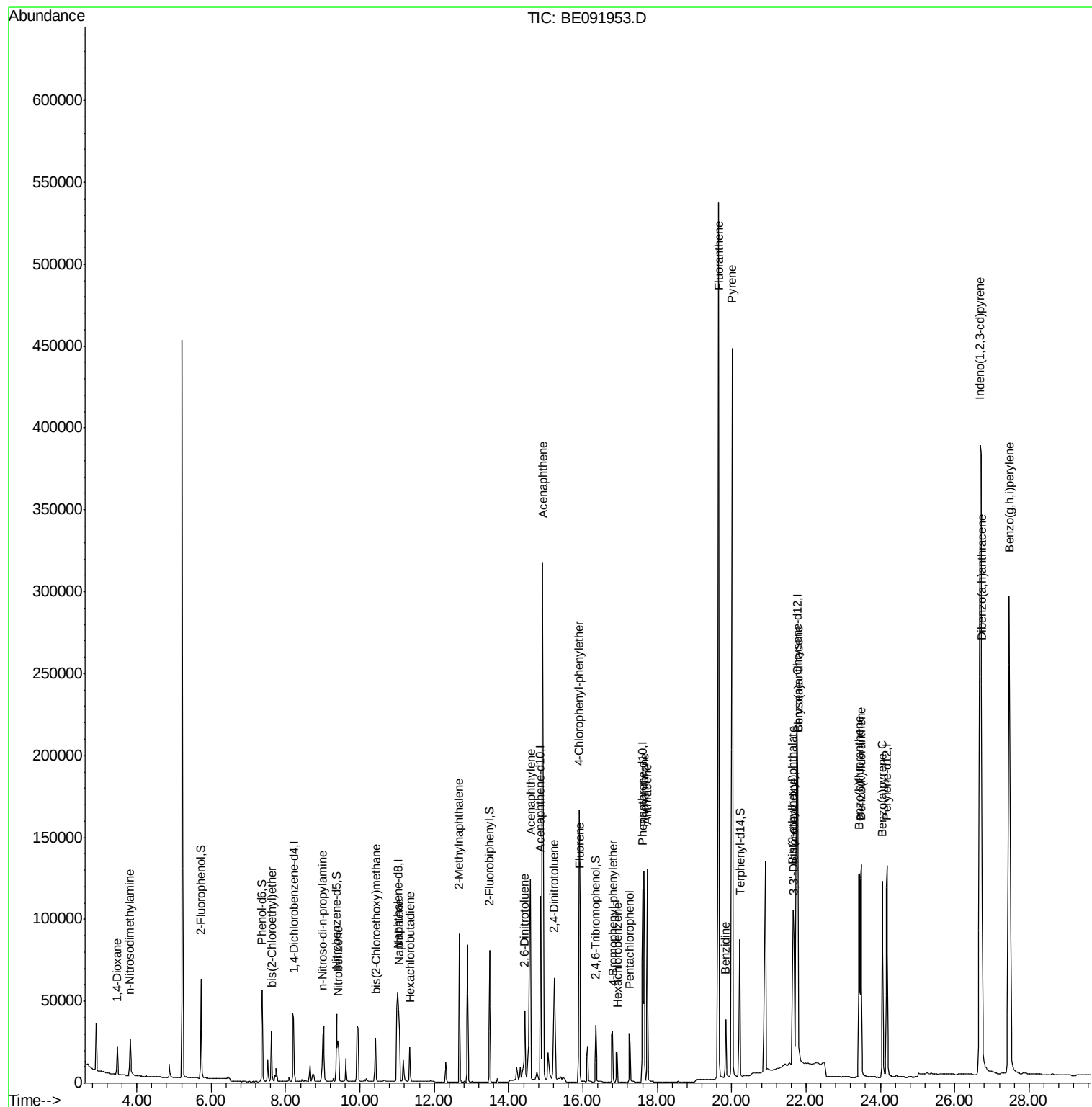
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.21 min Scan# 324

Delta R.T. 0.02 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

PB91612BS

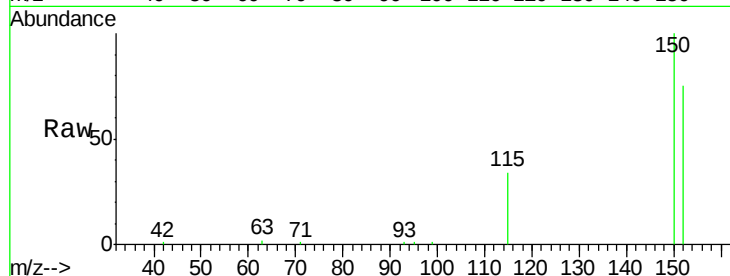
Tgt Ion:152 Resp: 27861

Ion Ratio Lower Upper

152 100

150 134.0 123.9 185.9

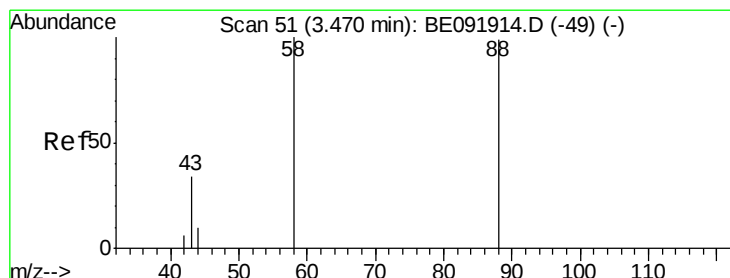
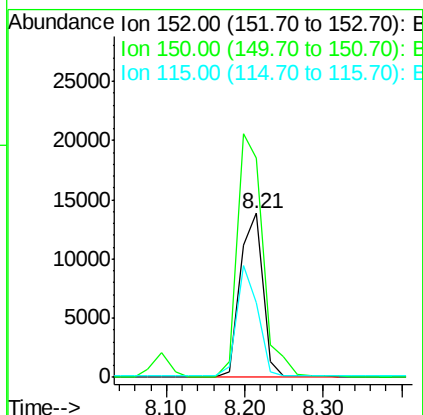
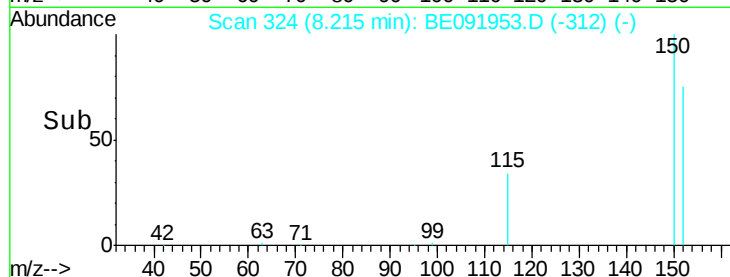
115 45.9 48.3 72.5#



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: 2.71 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

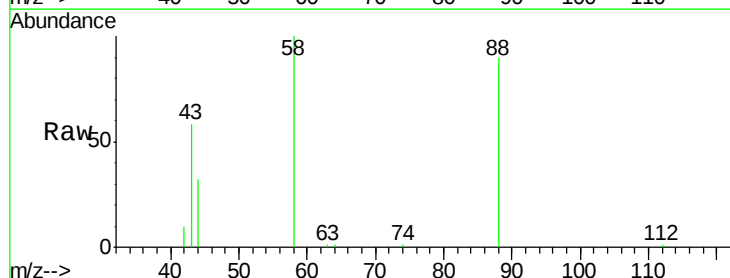
Tgt Ion: 88 Resp: 10657

Ion Ratio Lower Upper

88 100

58 91.6 63.0 94.4

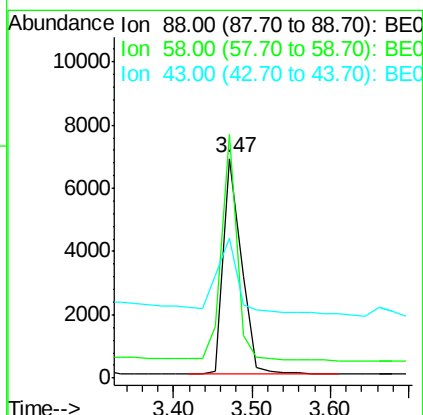
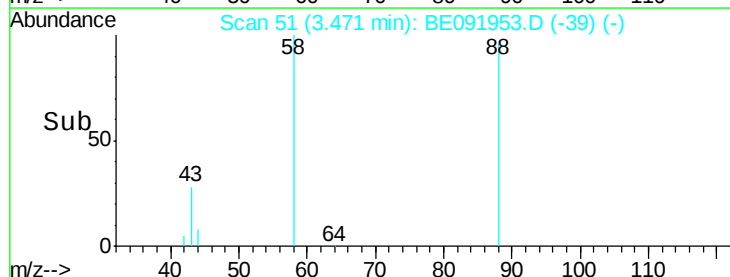
43 44.7 29.1 43.7#



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: 3.80 ng

RT: 3.82 min Scan# 71

Delta R.T. 0.02 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

PB91612BS

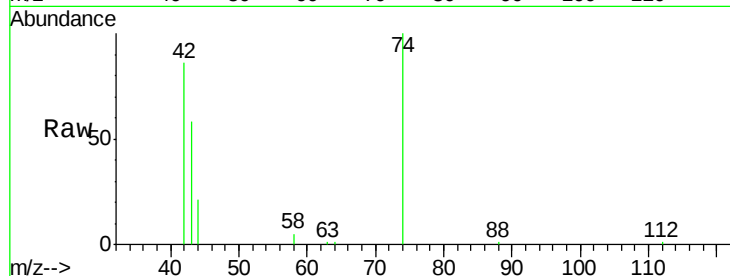
Tgt Ion: 42 Resp: 16982

Ion Ratio Lower Upper

42 100

74 115.8 93.4 140.0

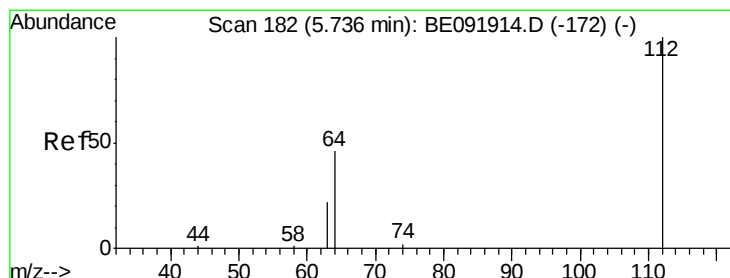
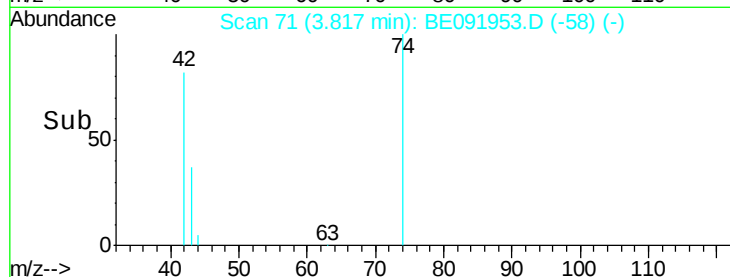
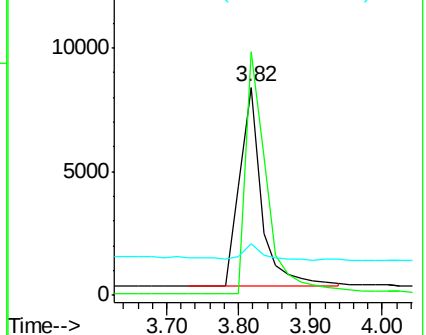
44 6.8 5.0 7.6



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: 9.27 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

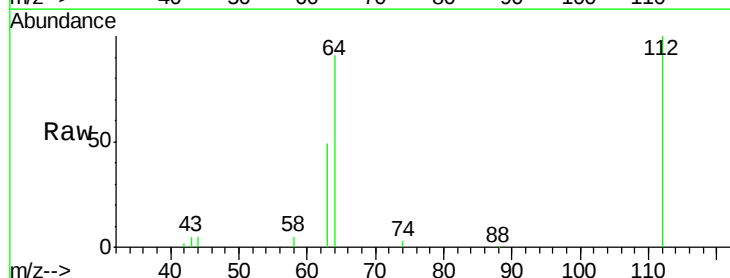
Tgt Ion: 112 Resp: 50461

Ion Ratio Lower Upper

112 100

64 69.1 53.7 80.5

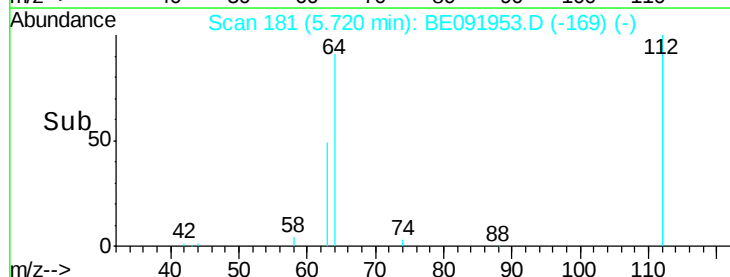
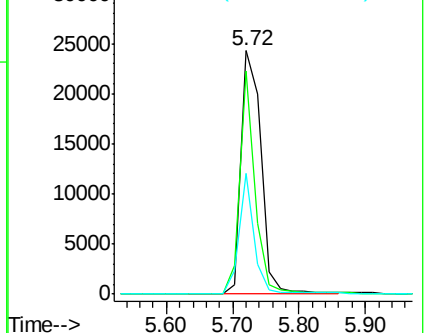
63 36.7 29.5 44.3

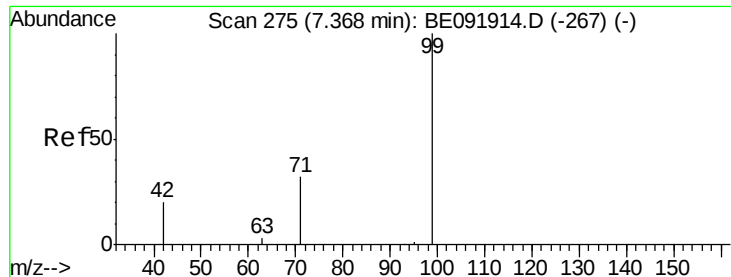


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.45 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampled :

PB91612BS

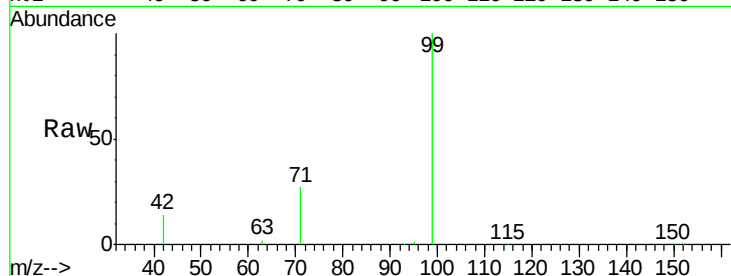
Tgt Ion: 99 Resp: 66533

Ion Ratio Lower Upper

99 100

42 25.4 19.6 29.4

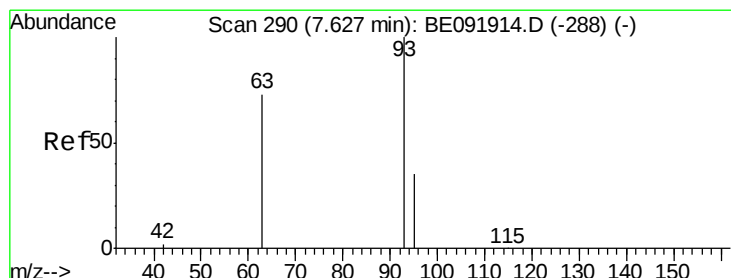
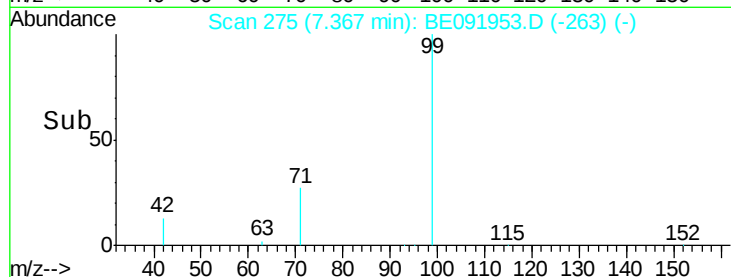
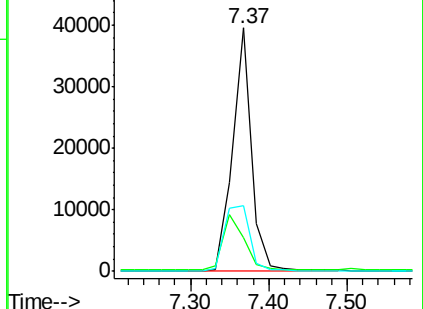
71 35.8 28.1 42.1



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: 3.71 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.02 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

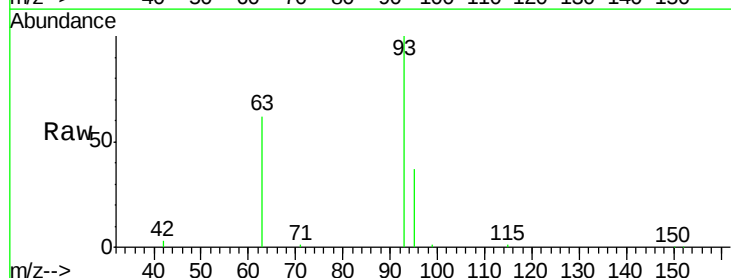
Tgt Ion: 93 Resp: 29597

Ion Ratio Lower Upper

93 100

63 87.9 66.2 99.4

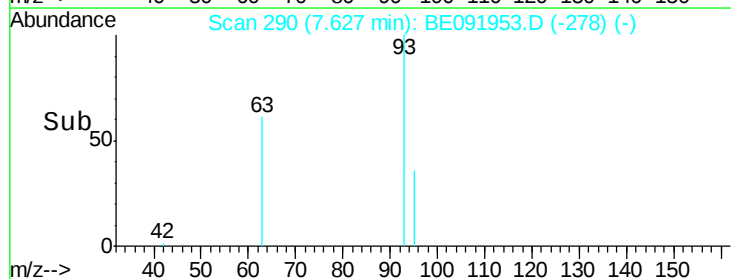
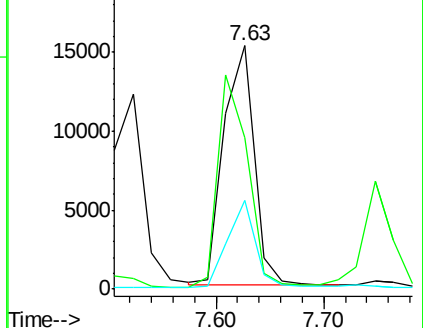
95 32.8 25.5 38.3

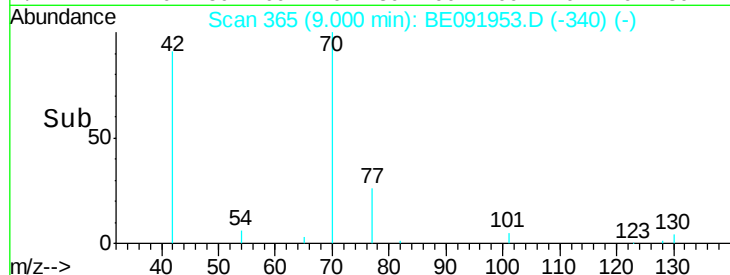
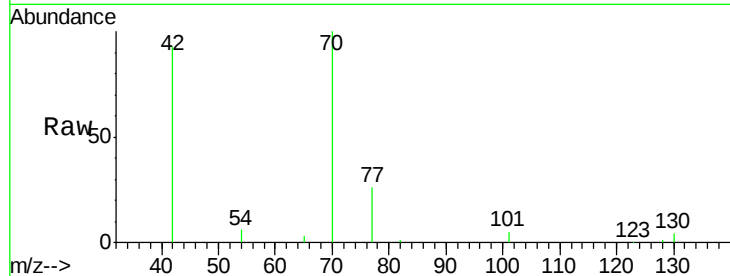
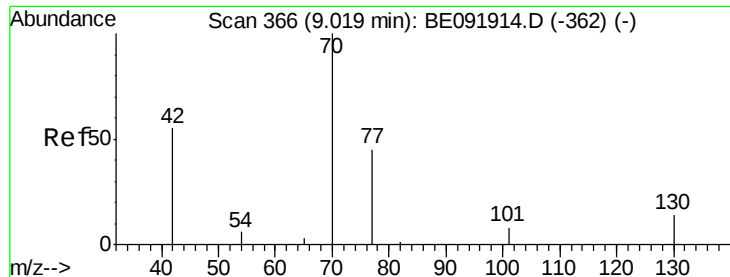


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 3.51 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

PB91612BS

Tgt Ion: 70 Resp: 26555

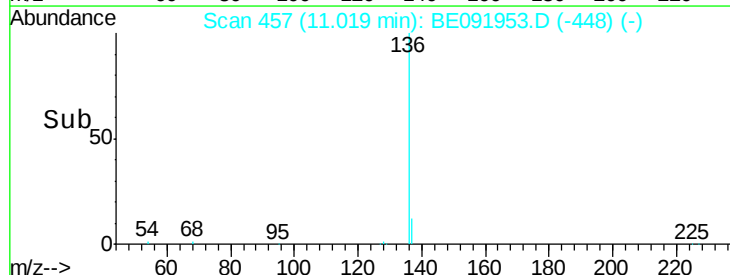
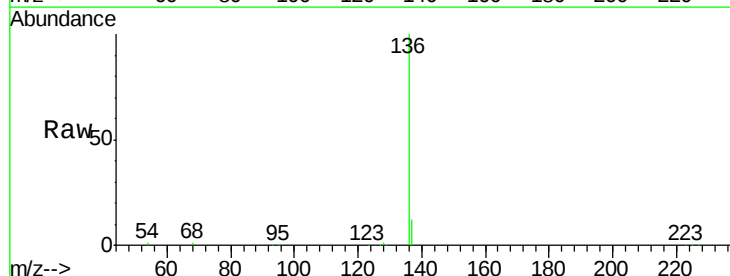
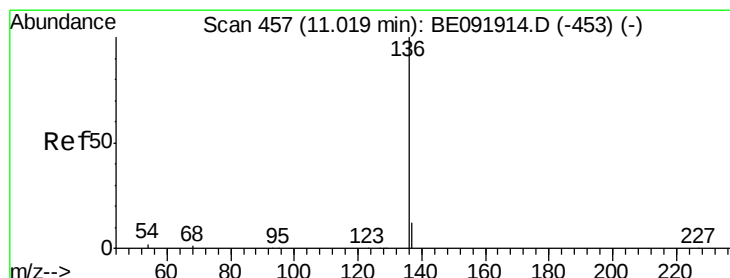
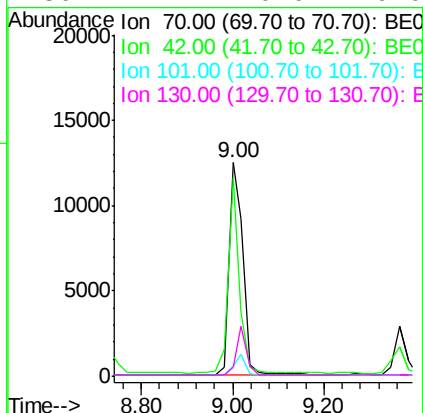
Ion Ratio Lower Upper

70 100

42 74.0 58.4 87.6

101 8.5 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. 0.03 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Tgt Ion: 136 Resp: 116646

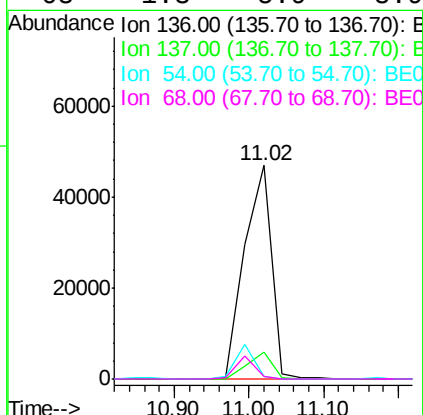
Ion Ratio Lower Upper

136 100

137 12.4 8.3 12.5

54 1.5 8.2 12.4#

68 1.3 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 4.60 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

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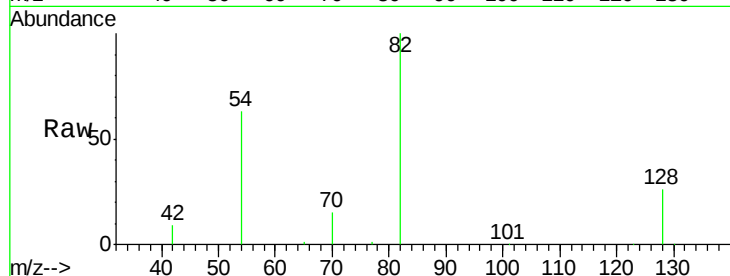
Tgt Ion: 82 Resp: 37079

Ion Ratio Lower Upper

82 100

128 25.6 39.5 59.3#

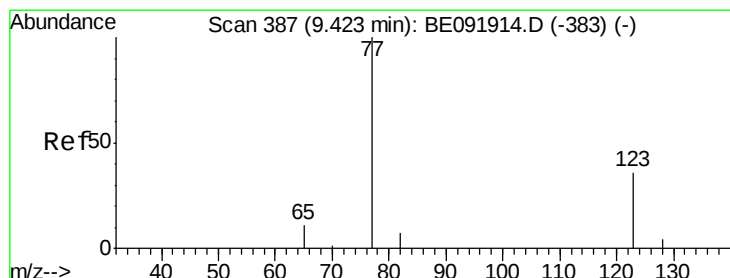
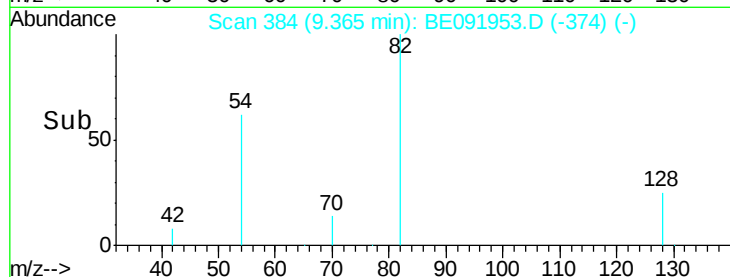
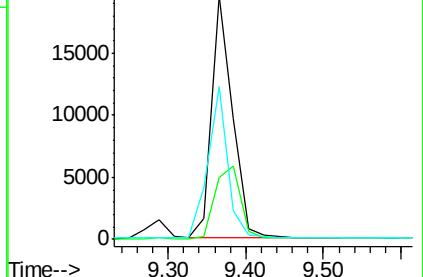
54 62.6 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 3.97 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

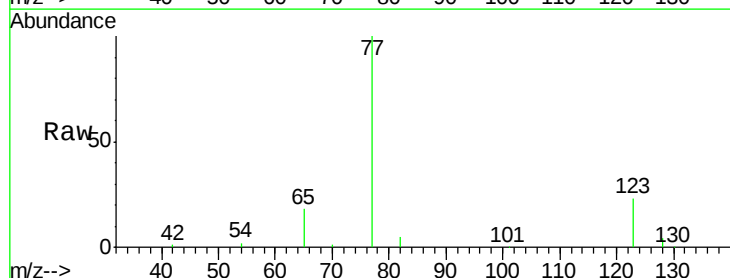
Tgt Ion: 77 Resp: 36232

Ion Ratio Lower Upper

77 100

123 38.3 0.0 0.0#

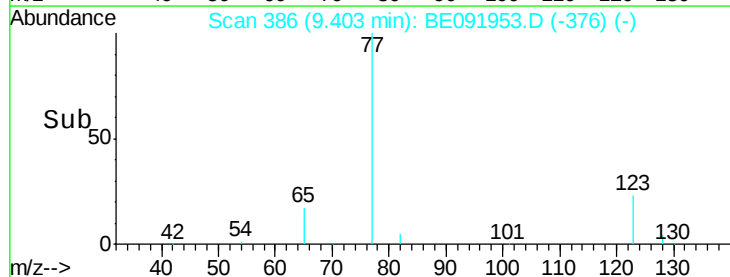
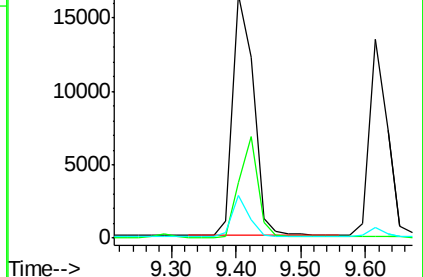
65 14.5 11.1 16.7

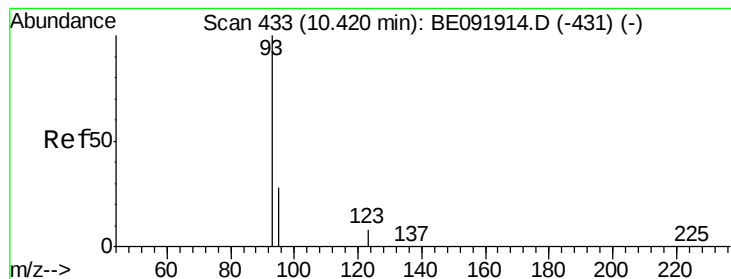


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 3.76 ng

RT: 10.42 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

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PB91612BS

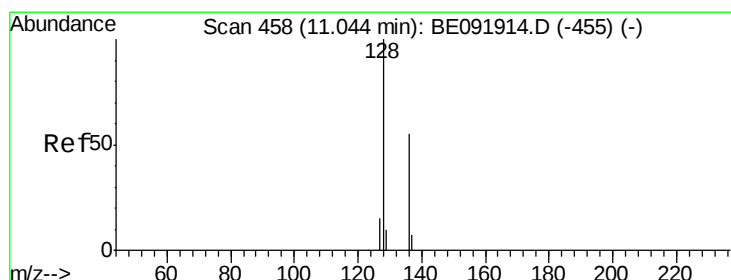
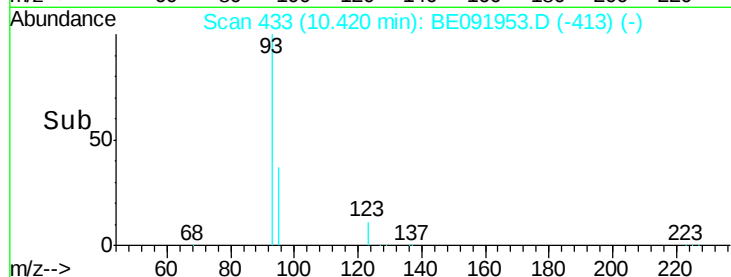
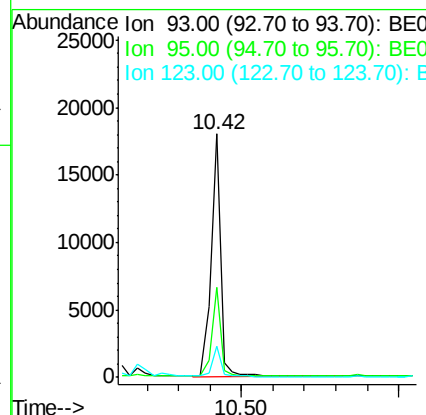
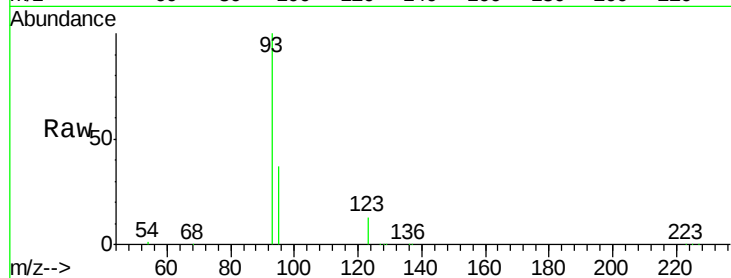
Tgt Ion: 93 Resp: 38362

Ion Ratio Lower Upper

93 100

95 32.9 57.6 86.4#

123 10.7 100.2 150.4#



#12

Naphthalene

Concen: 3.57 ng

RT: 11.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

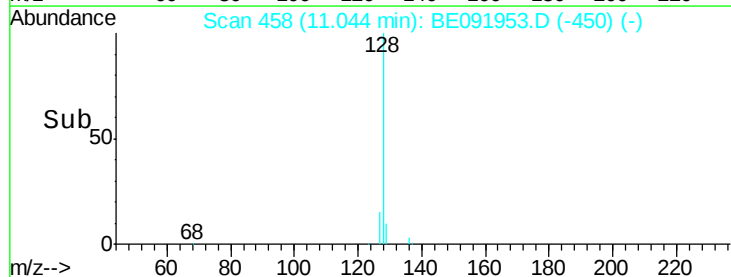
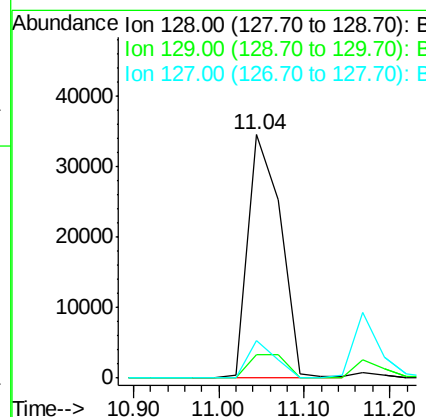
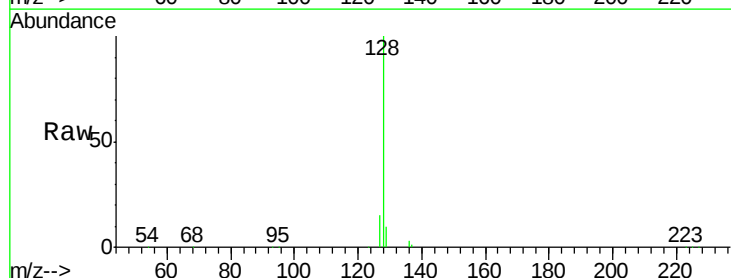
Tgt Ion: 128 Resp: 90857

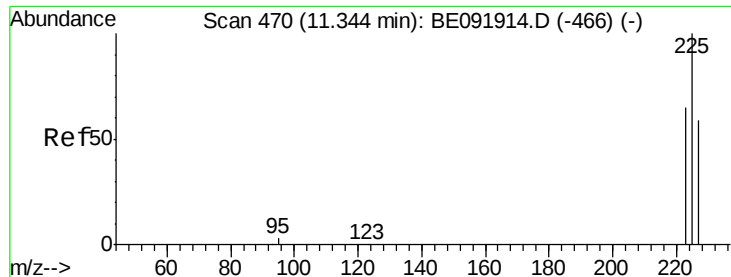
Ion Ratio Lower Upper

128 100

129 9.8 10.4 15.6#

127 15.5 10.2 15.2#

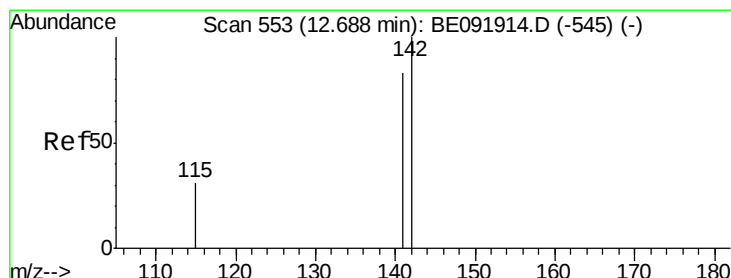
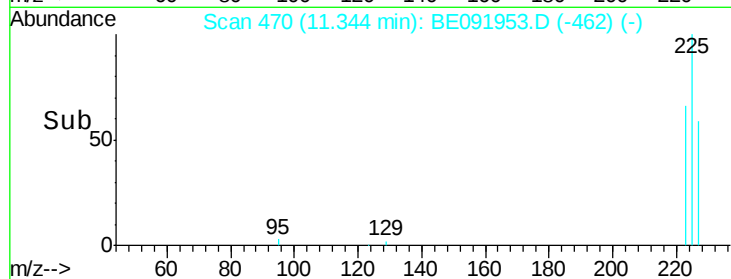
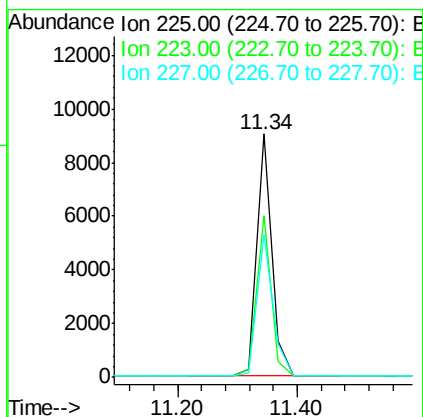
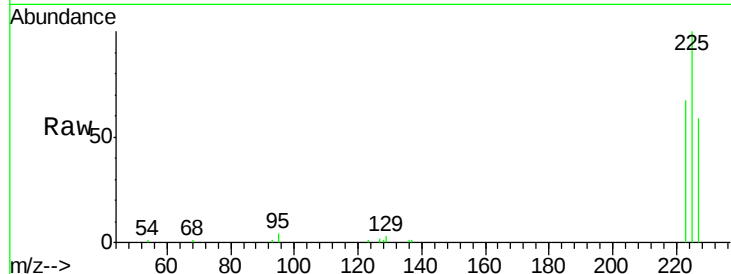




#13
Hexachlorobutadiene
Concen: 3.86 ng
RT: 11.34 min Scan# 470
Delta R.T. 0.00 min
Lab File: BE091953.D
Acq: 24 Jun 2016 19:14

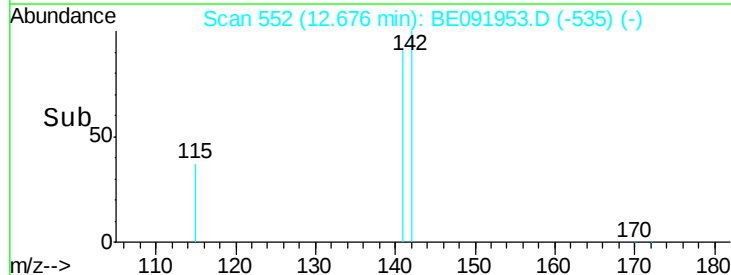
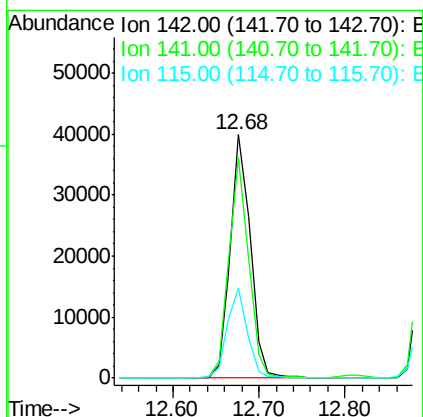
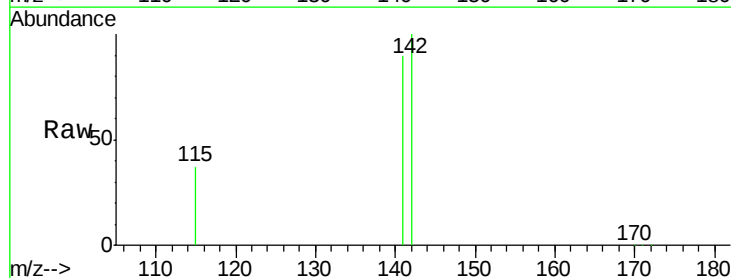
Instrument :
BNA_E
ClientSampleId :
PB91612BS

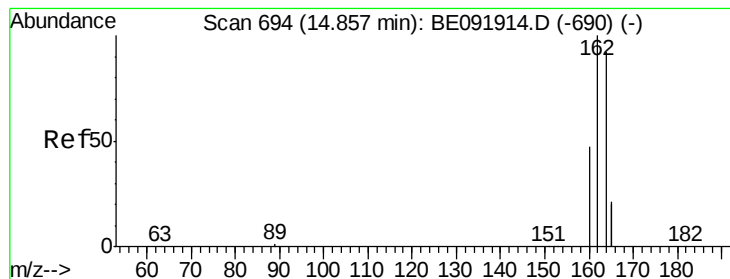
Tgt Ion: 225 Resp: 15898
Ion Ratio Lower Upper
225 100
223 64.1 49.8 74.8
227 62.1 50.6 75.8



#14
2-Methylnaphthalene
Concen: 3.72 ng
RT: 12.68 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE091953.D
Acq: 24 Jun 2016 19:14

Tgt Ion: 142 Resp: 64293
Ion Ratio Lower Upper
142 100
141 90.5 71.9 107.9
115 37.1 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: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

PB91612BS

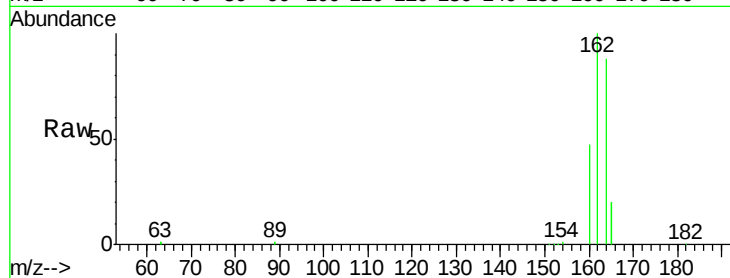
Tgt Ion:164 Resp: 68595

Ion Ratio Lower Upper

164 100

162 113.9 71.8 107.8#

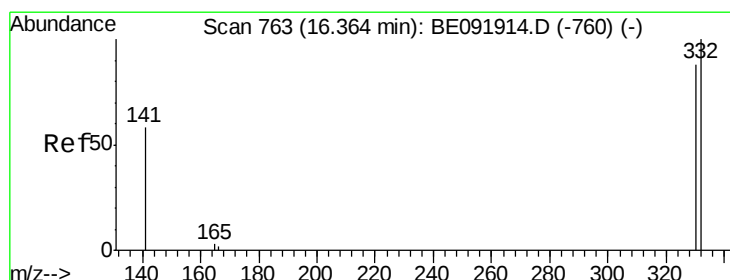
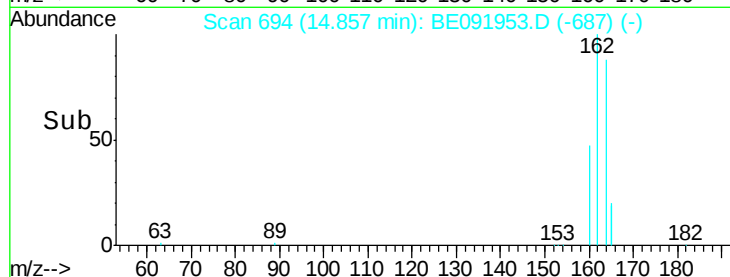
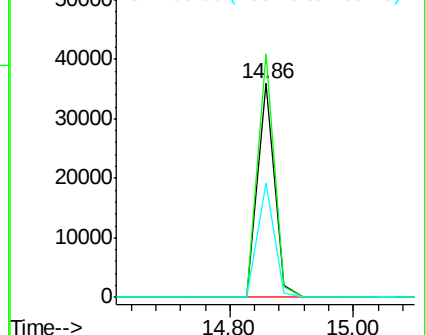
160 53.7 28.0 42.0#



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: 9.65 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

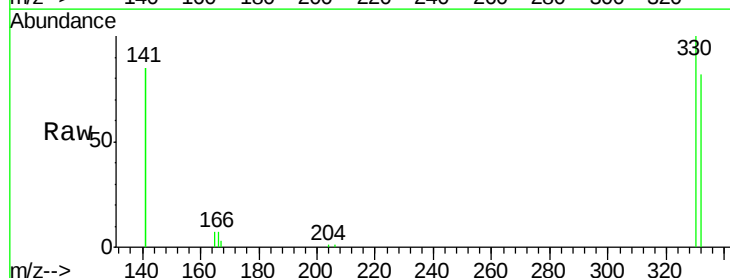
Tgt Ion:330 Resp: 17259

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

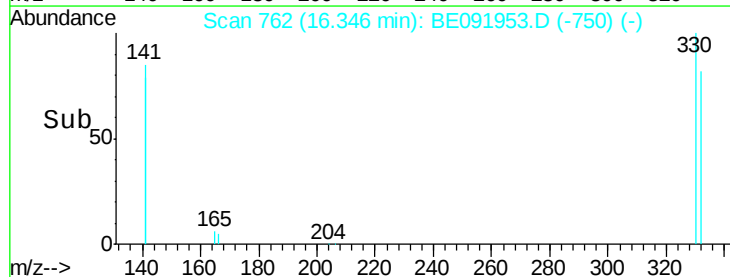
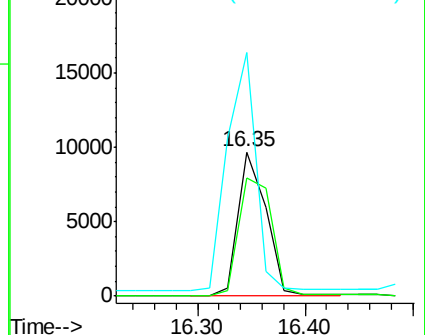
141 170.2 138.4 207.6

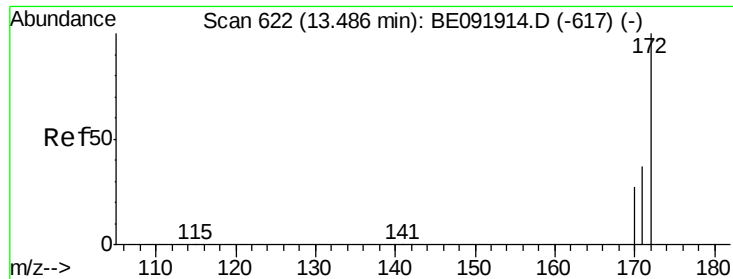


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

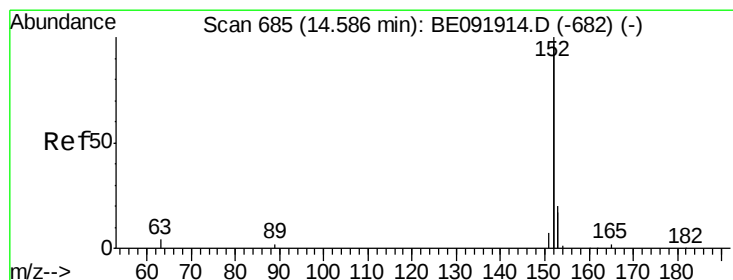
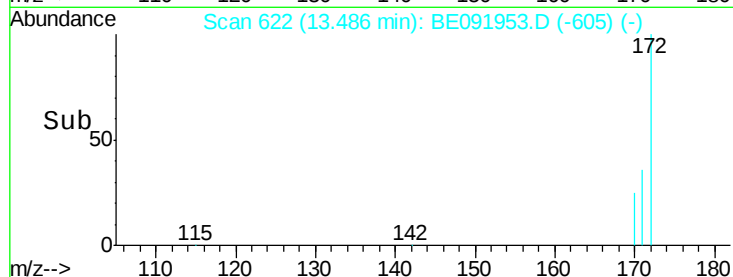
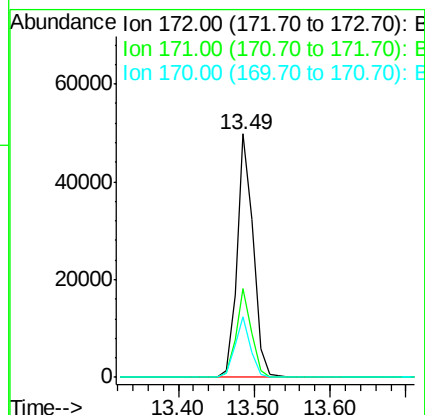
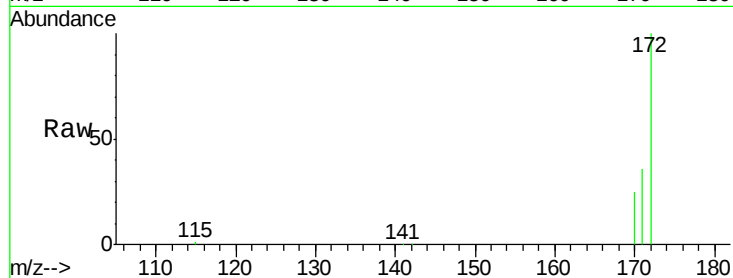




#17
2-Fluorobiphenyl
Concen: 4.26 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091953.D
Acq: 24 Jun 2016 19:14

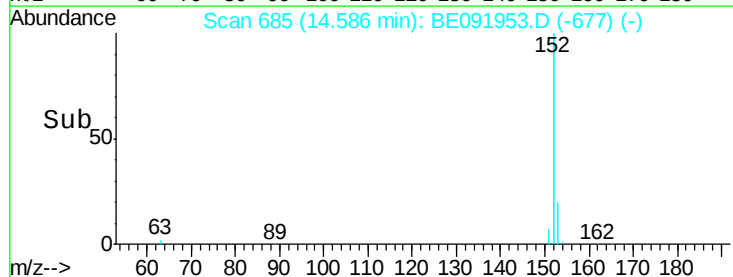
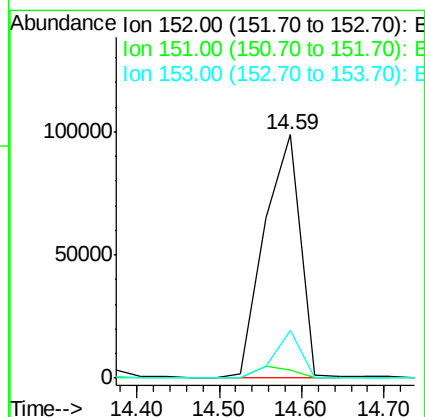
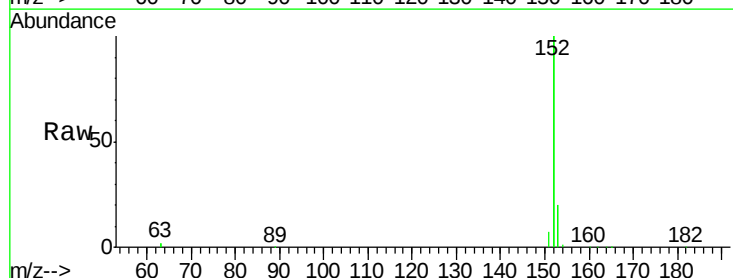
Instrument :
BNA_E
ClientSampleId :
PB91612BS

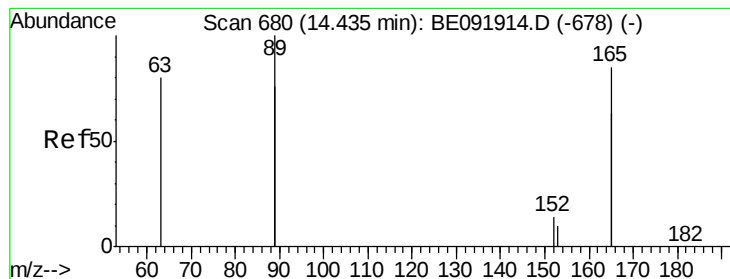
Tgt Ion:172 Resp: 74243
Ion Ratio Lower Upper
172 100
171 36.2 24.3 36.5
170 25.0 14.9 22.3#



#18
Acenaphthylene
Concen: 4.31 ng
RT: 14.59 min Scan# 685
Delta R.T. 0.03 min
Lab File: BE091953.D
Acq: 24 Jun 2016 19:14

Tgt Ion:152 Resp: 299892
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: 3.14 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

PB91612BS

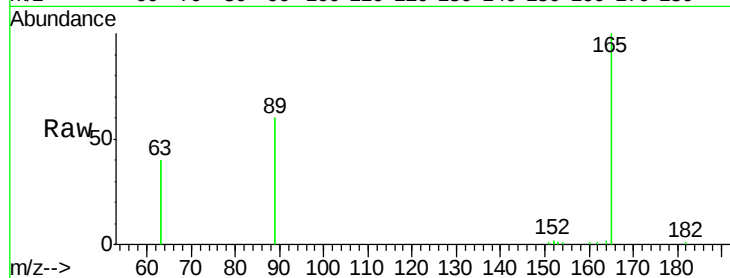
Tgt Ion:165 Resp: 46443

Ion Ratio Lower Upper

165 100

63 85.5 65.9 98.9

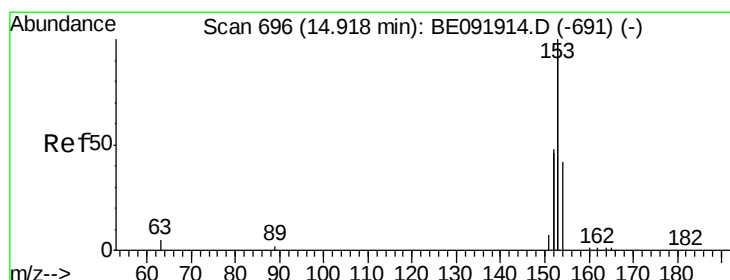
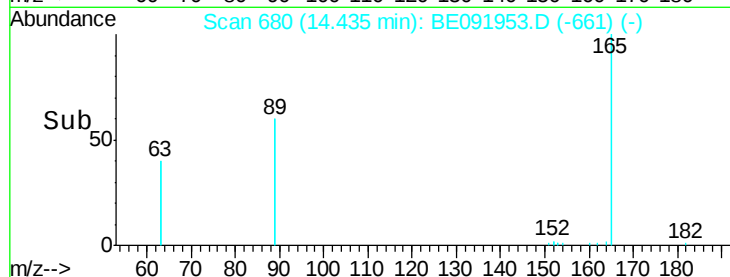
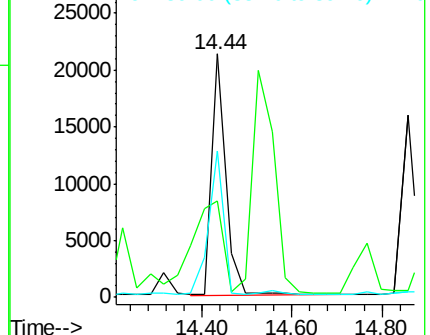
89 62.4 59.1 88.7



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: 3.67 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

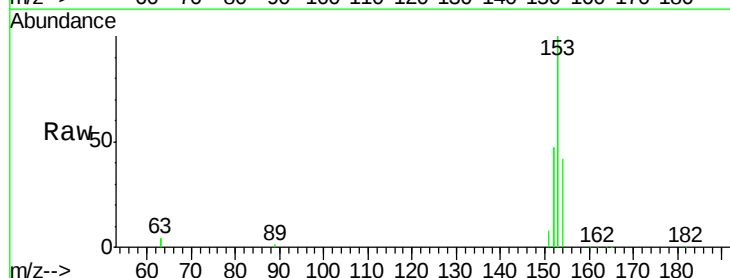
Tgt Ion:154 Resp: 70365

Ion Ratio Lower Upper

154 100

153 470.4 88.1 132.1#

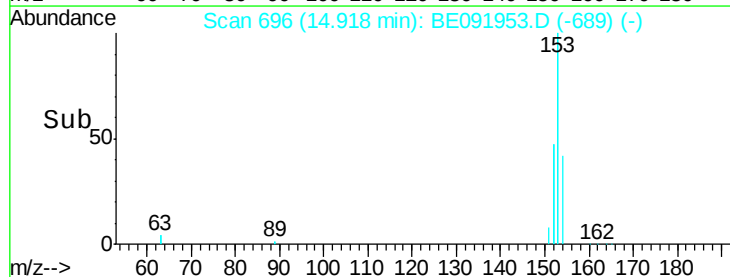
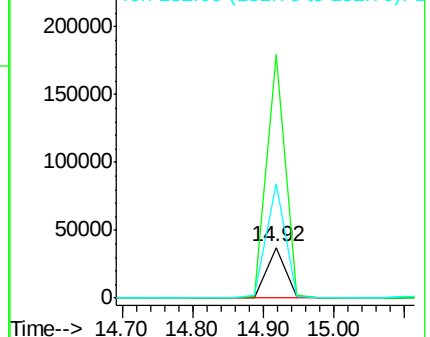
152 223.3 44.2 66.2#

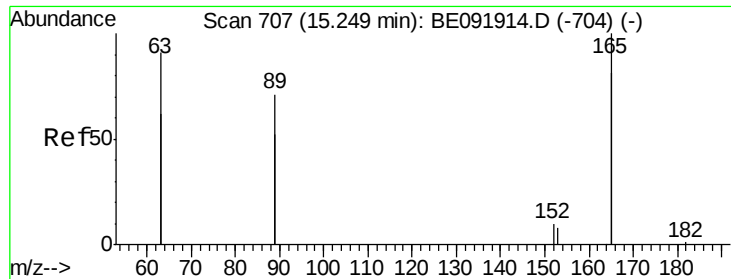


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

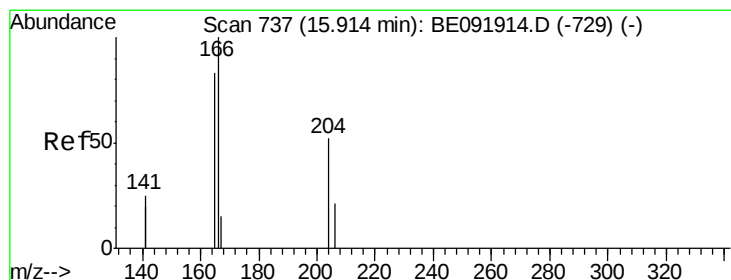
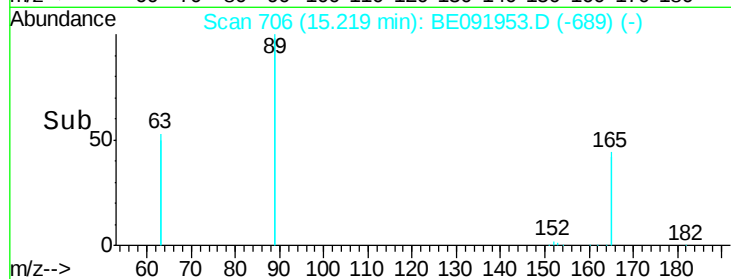
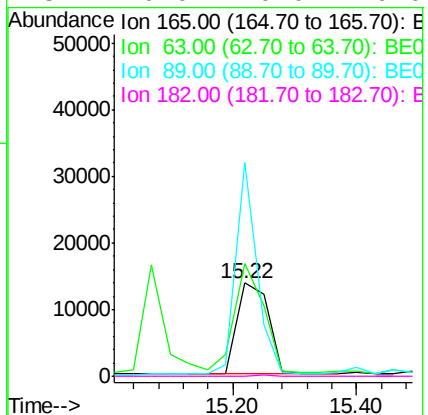
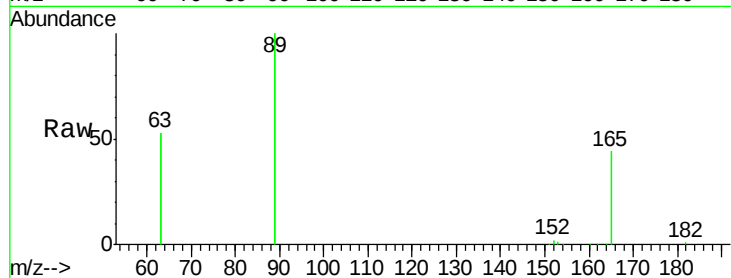




#21
2,4-Dinitrotoluene
Concen: 3.48 ng
RT: 15.22 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE091953.D
Acq: 24 Jun 2016 19:14

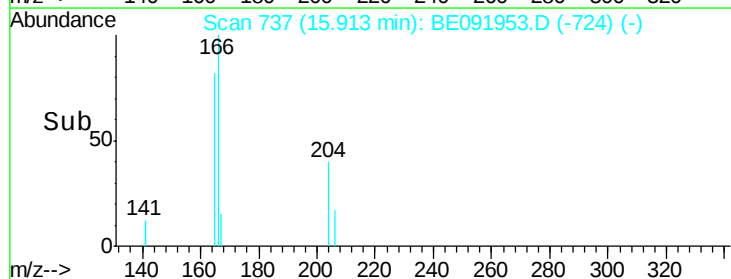
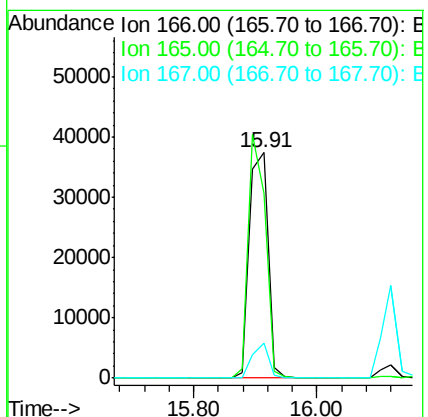
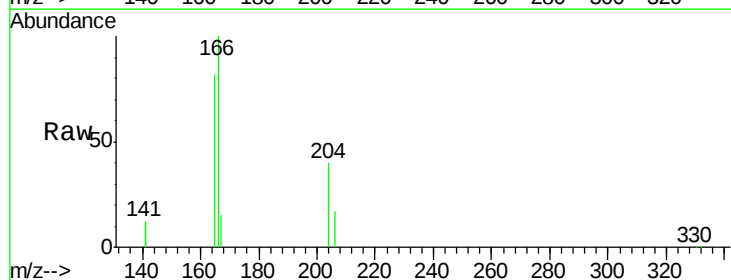
Instrument :
BNA_E
ClientSampleId :
PB91612BS

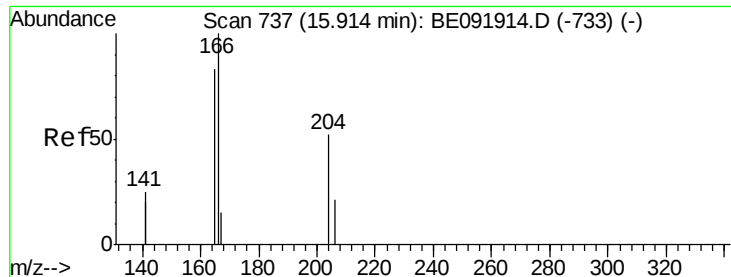
Tgt Ion:165 Resp: 47222
Ion Ratio Lower Upper
165 100
63 112.1 0.0 0.0#
89 164.6 99.8 149.8#
182 0.0 0.0 0.0



#22
Fluorene
Concen: 4.08 ng
RT: 15.91 min Scan# 737
Delta R.T. 0.02 min
Lab File: BE091953.D
Acq: 24 Jun 2016 19:14

Tgt Ion:166 Resp: 77876
Ion Ratio Lower Upper
166 100
165 98.6 78.6 117.8
167 13.4 10.8 16.2

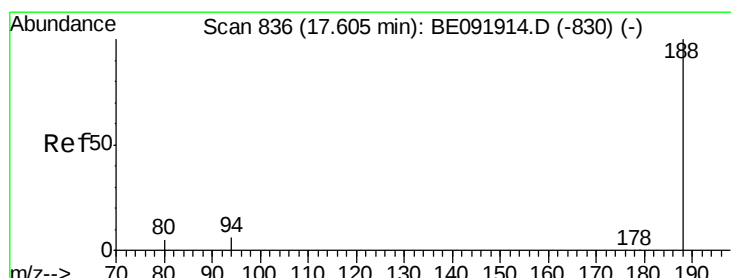
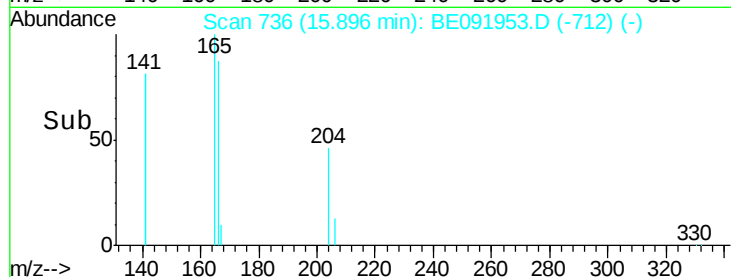
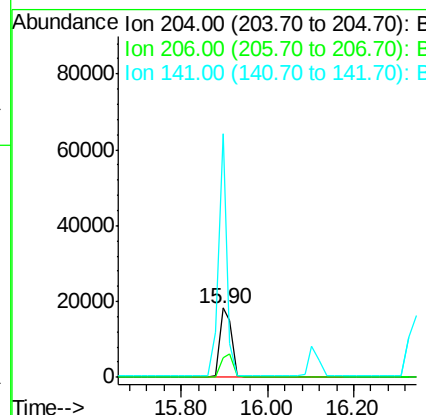
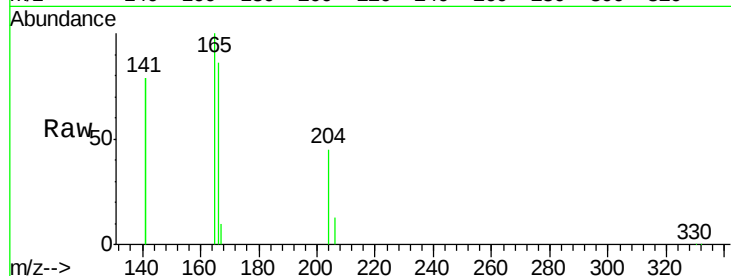




#23
4-Chlorophenyl-phenylether
Concen: 3.78 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091953.D
Acq: 24 Jun 2016 19:14

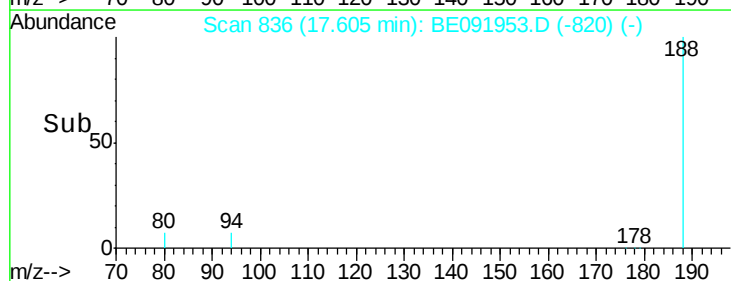
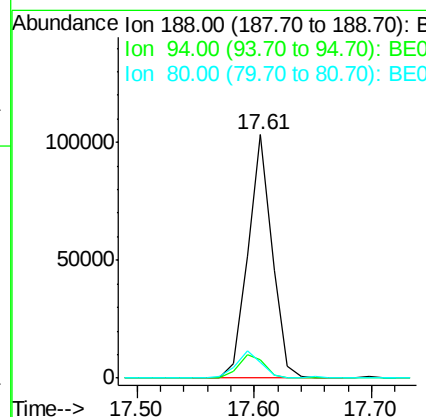
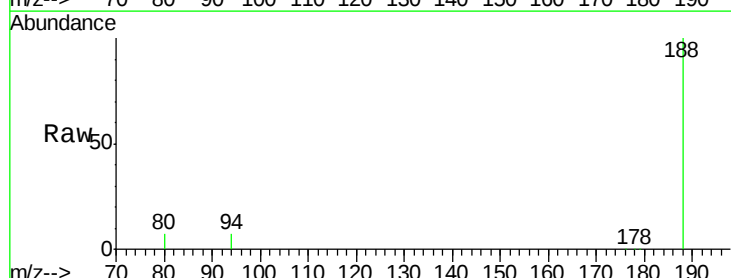
Instrument :
BNA_E
ClientSampleId :
PB91612BS

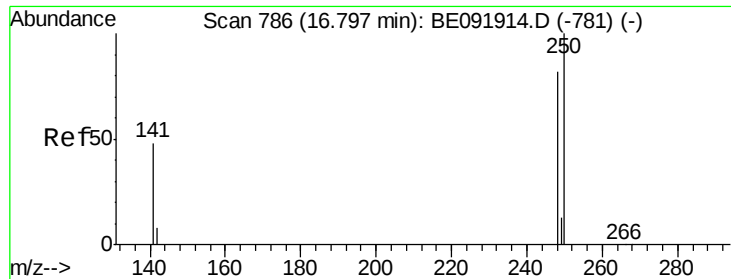
Tgt Ion: 204 Resp: 35563
Ion Ratio Lower Upper
204 100
206 34.0 27.8 41.6
141 247.7 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. -0.00 min
Lab File: BE091953.D
Acq: 24 Jun 2016 19:14

Tgt Ion: 188 Resp: 147789
Ion Ratio Lower Upper
188 100
94 7.3 4.1 6.1#
80 6.6 3.4 5.2#

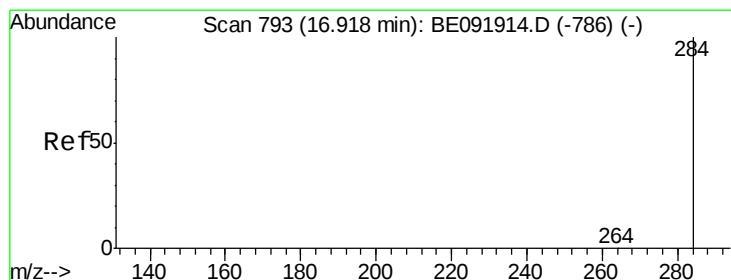
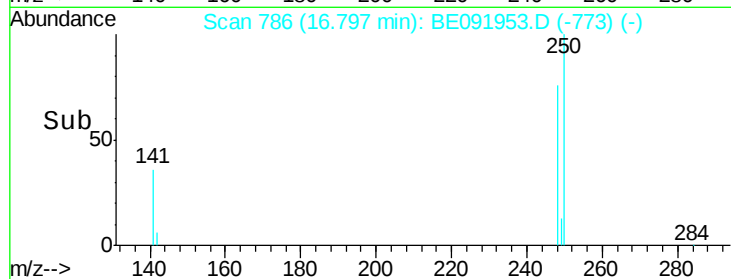
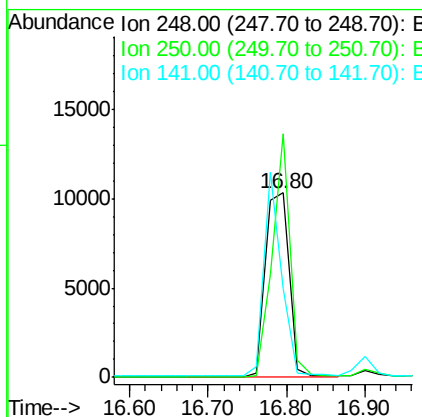
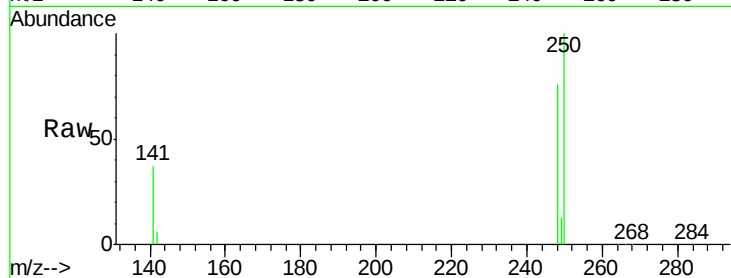




#25
4-Bromophenyl-phenylether
Concen: 3.79 ng
RT: 16.80 min Scan# 786
Delta R.T. 0.02 min
Lab File: BE091953.D
Acq: 24 Jun 2016 19:14

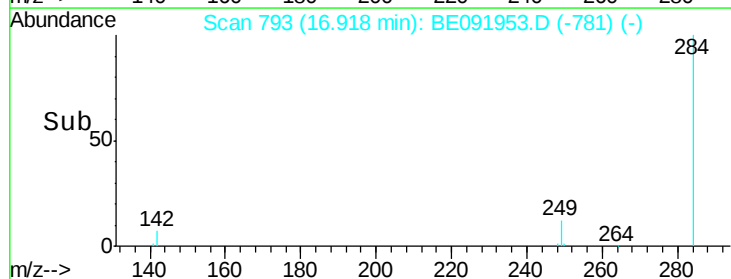
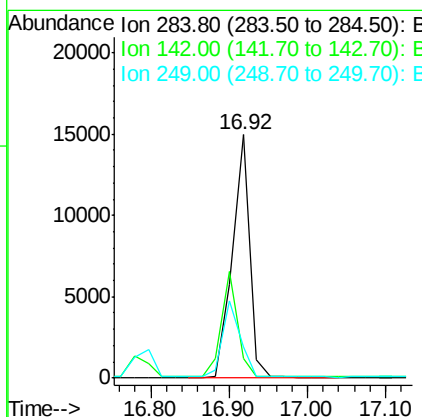
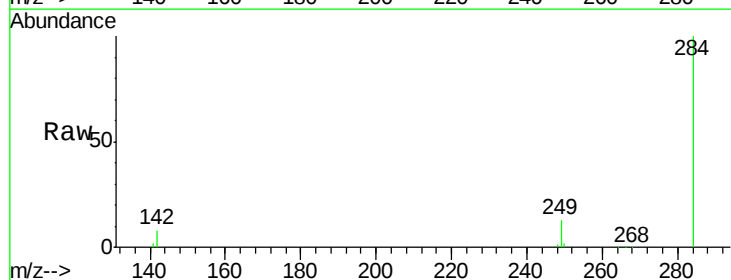
Instrument :
BNA_E
ClientSampleId :
PB91612BS

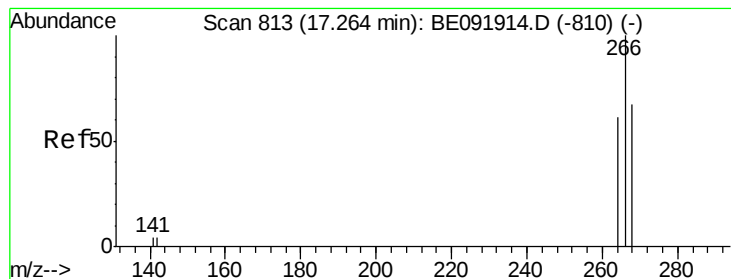
Tgt Ion:248 Resp: 21645
Ion Ratio Lower Upper
248 100
250 97.6 75.7 113.5
141 81.9 64.6 97.0



#26
Hexachlorobenzene
Concen: 3.87 ng
RT: 16.92 min Scan# 793
Delta R.T. -0.00 min
Lab File: BE091953.D
Acq: 24 Jun 2016 19:14

Tgt Ion:284 Resp: 22694
Ion Ratio Lower Upper
284 100
142 39.9 31.4 47.2
249 32.1 25.3 37.9





#27

Pentachlorophenol

Concen: 7.72 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

PB91612BS

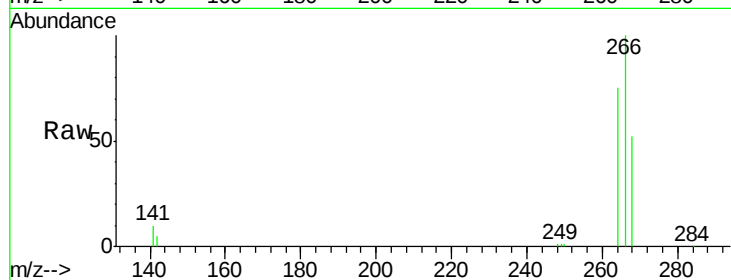
Tgt Ion:266 Resp: 26442

Ion Ratio Lower Upper

266 100

268 51.9 60.5 90.7#

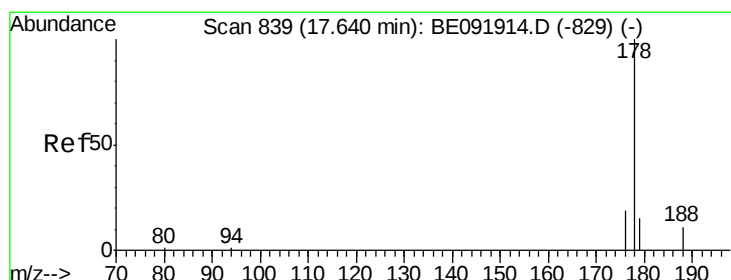
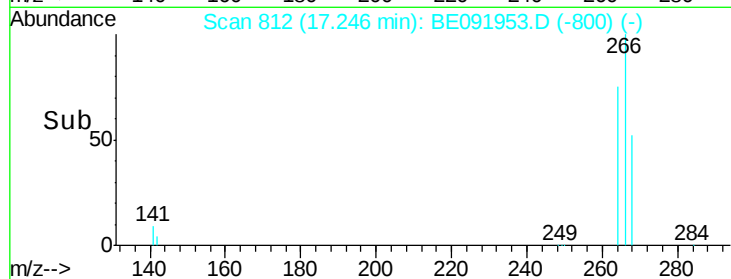
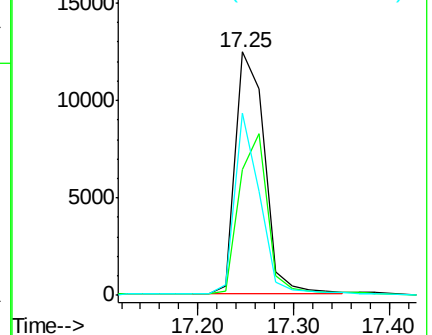
264 74.7 51.0 76.4



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: 3.63 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

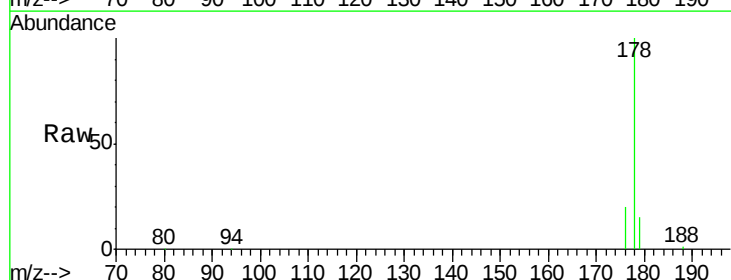
Tgt Ion:178 Resp: 134174

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

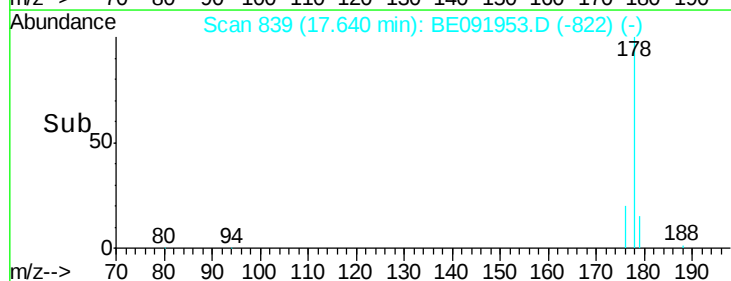
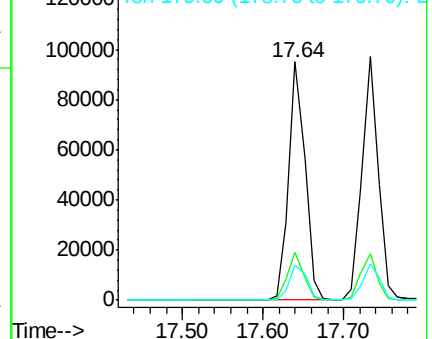
179 15.5 12.9 19.3

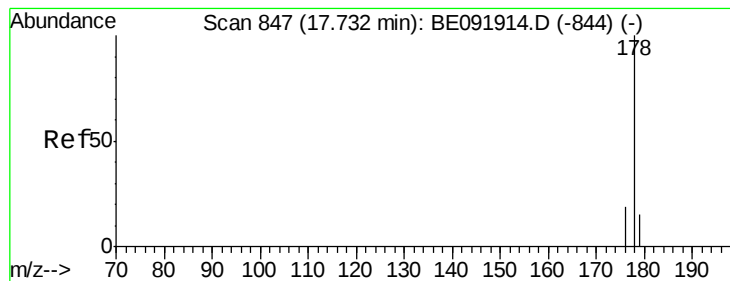


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 4.20 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

PB91612BS

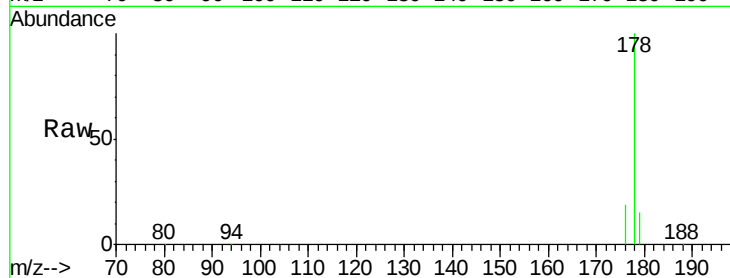
Tgt Ion:178 Resp: 137228

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

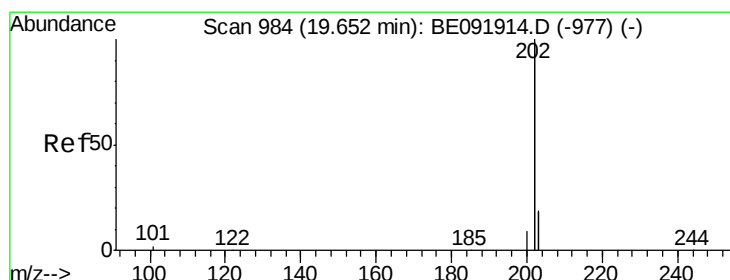
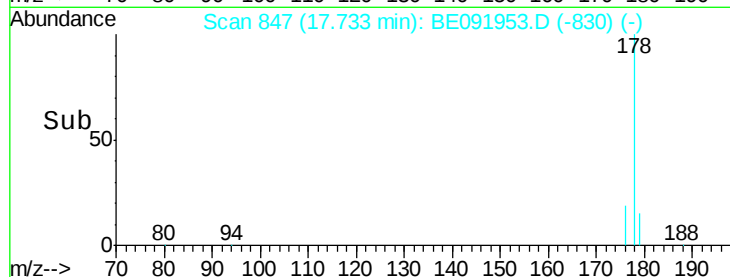
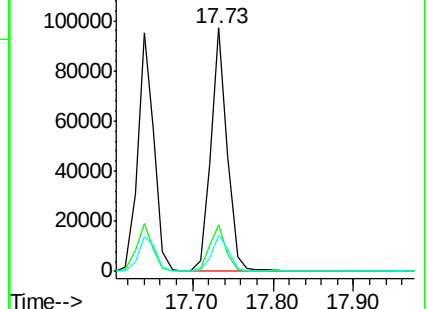
179 15.2 12.1 18.1



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: 4.41 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

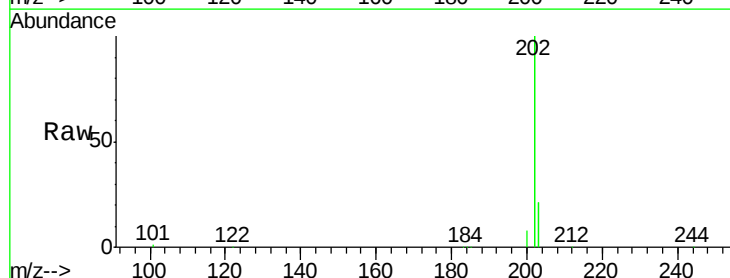
Tgt Ion:202 Resp: 698031

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

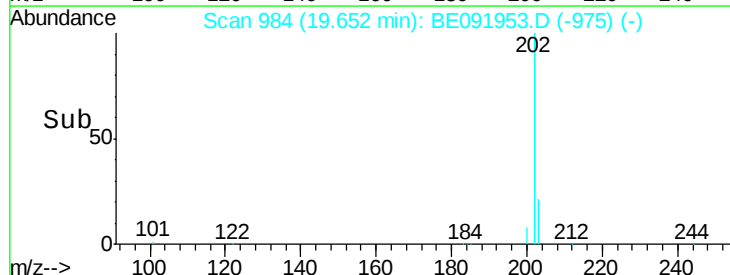
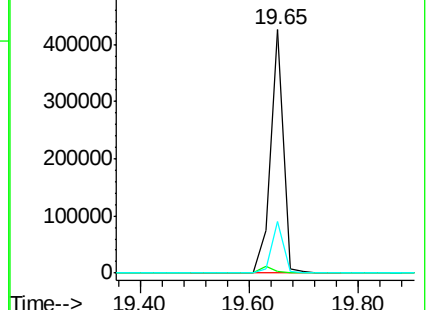
203 19.9 14.3 21.5



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: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

PB91612BS

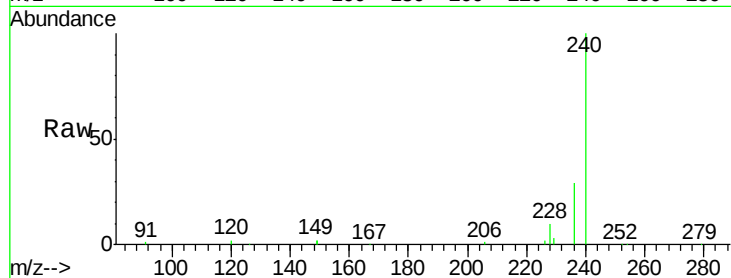
Tgt Ion:240 Resp: 255668

Ion Ratio Lower Upper

240 100

120 2.4 1.2 1.8#

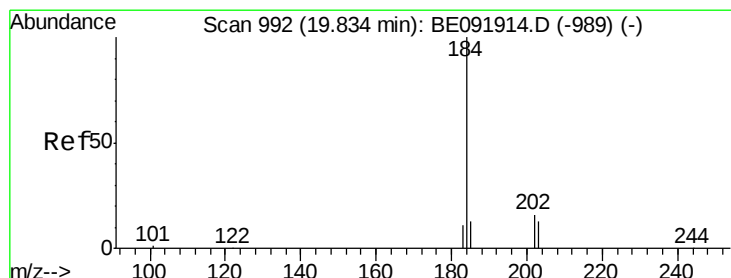
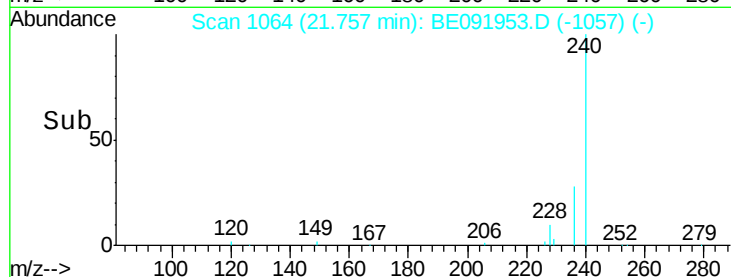
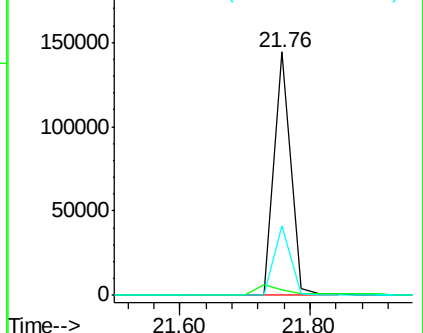
236 28.7 19.8 29.8



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: 3.62 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

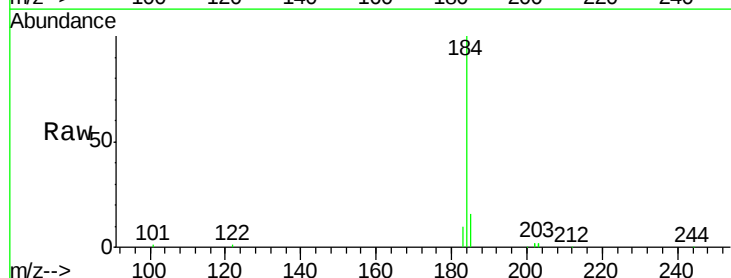
Tgt Ion:184 Resp: 57501

Ion Ratio Lower Upper

184 100

185 15.5 11.4 17.2

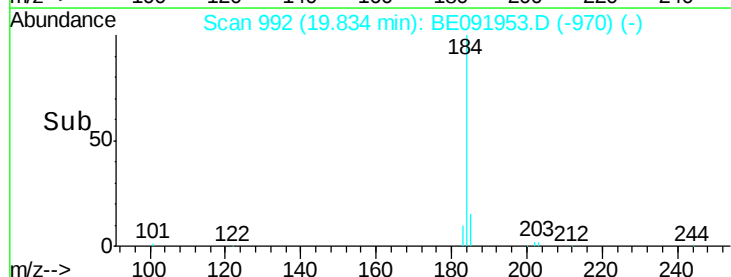
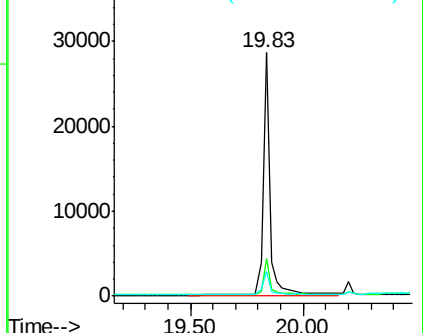
183 10.3 11.8 17.6#

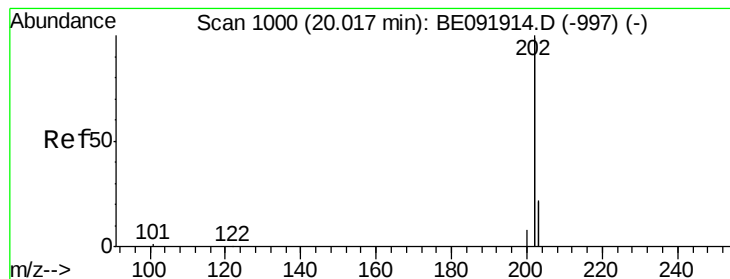


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 4.01 ng

RT: 20.02 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

PB91612BS

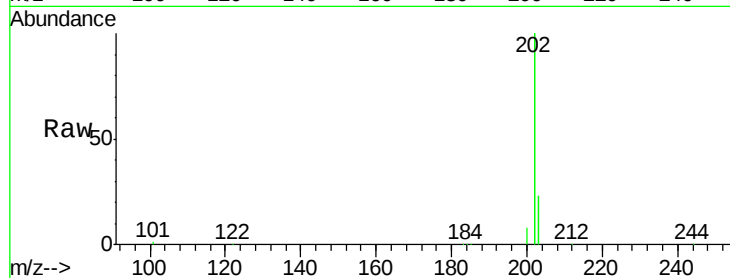
Tgt Ion:202 Resp: 697361

Ion Ratio Lower Upper

202 100

200 5.3 16.9 25.3#

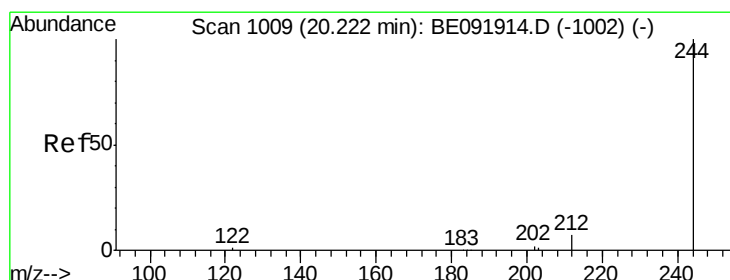
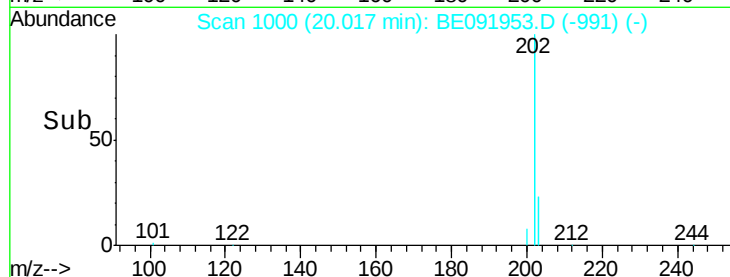
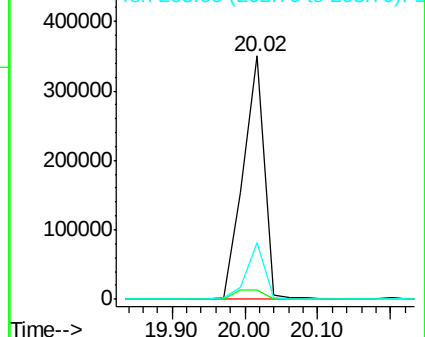
203 19.5 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 3.78 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

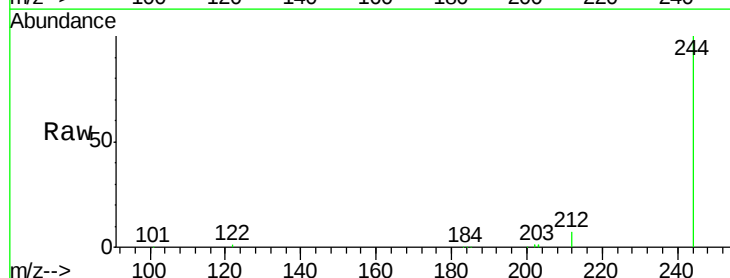
Tgt Ion:244 Resp: 118327

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

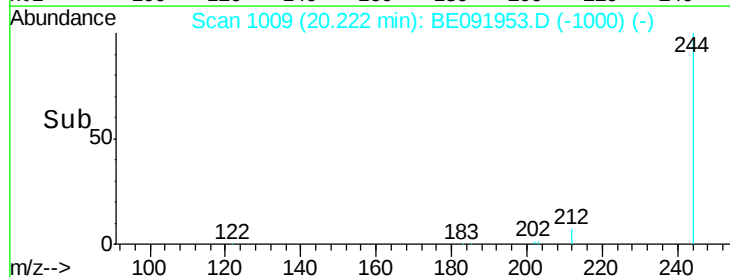
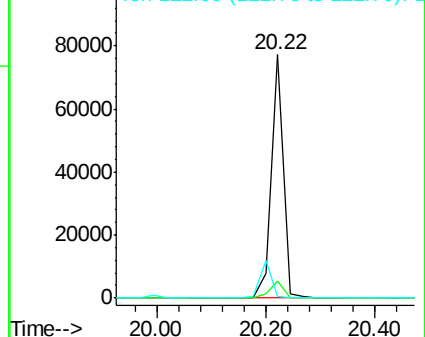
122 0.7 2.9 4.3#

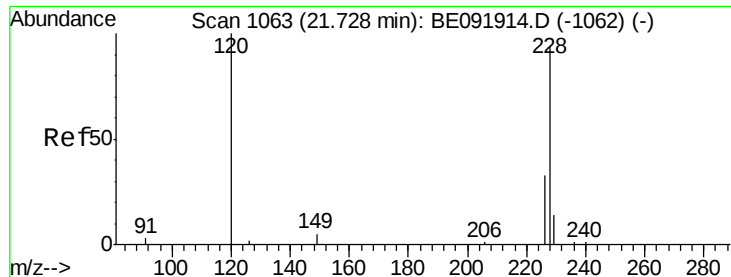


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 8.96 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

PB91612BS

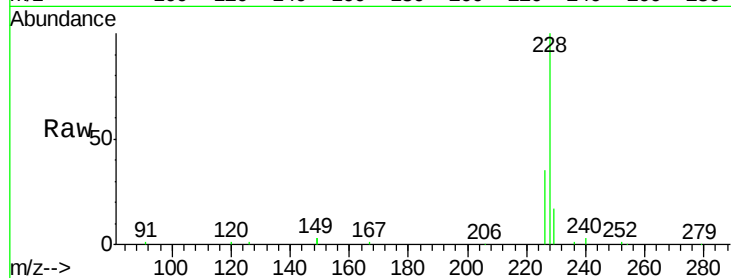
Tgt Ion:228 Resp: 360034

Ion Ratio Lower Upper

228 100

226 34.7 21.0 31.4#

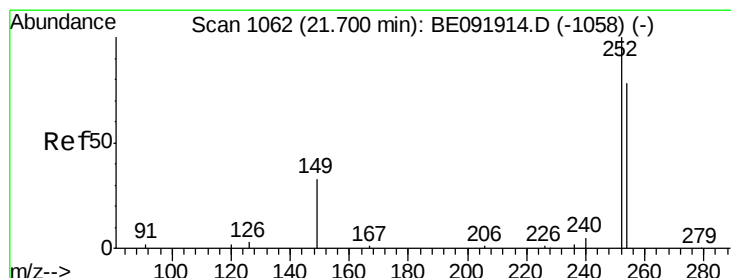
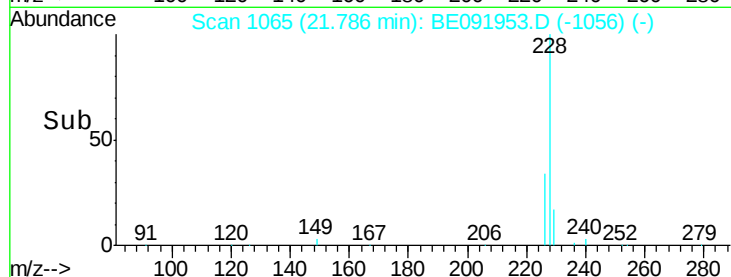
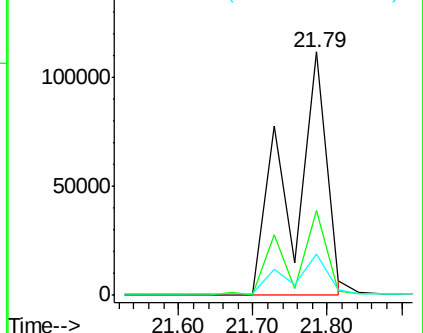
229 17.1 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 6.19 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

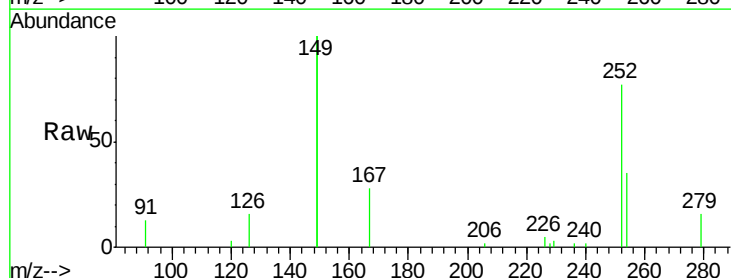
Tgt Ion:252 Resp: 40299

Ion Ratio Lower Upper

252 100

254 45.5 61.5 92.3#

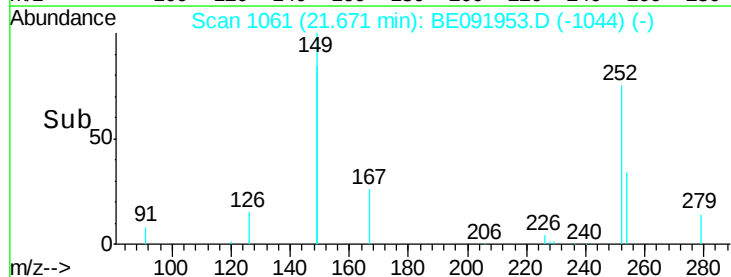
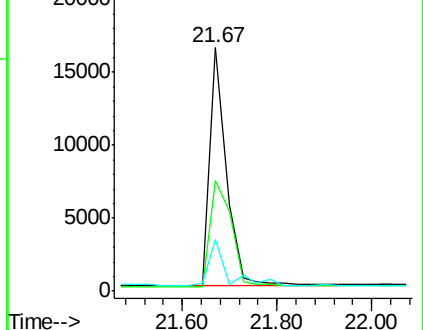
126 21.1 2.5 3.7#

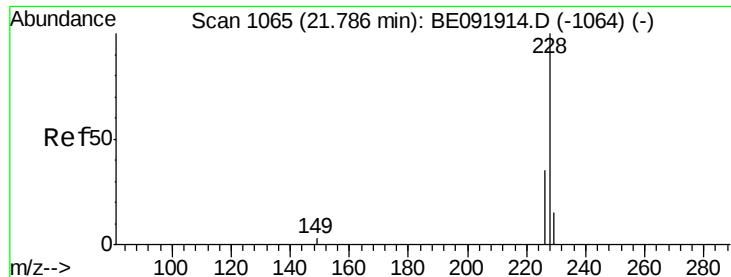


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 6.18 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

PB91612BS

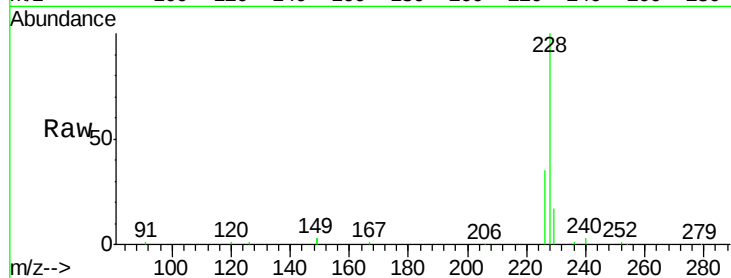
Tgt Ion:228 Resp: 362677

Ion Ratio Lower Upper

228 100

226 34.7 27.0 40.6

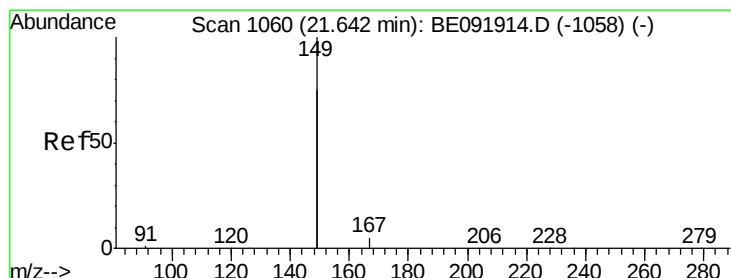
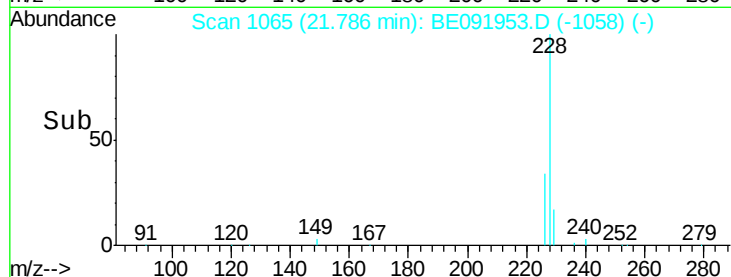
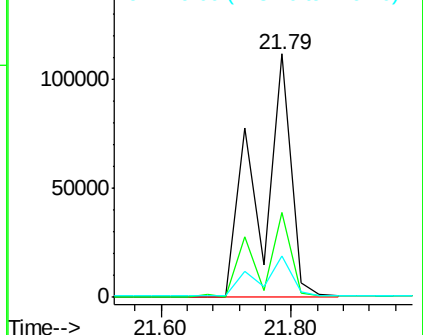
229 17.1 13.8 20.8



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: 5.28 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

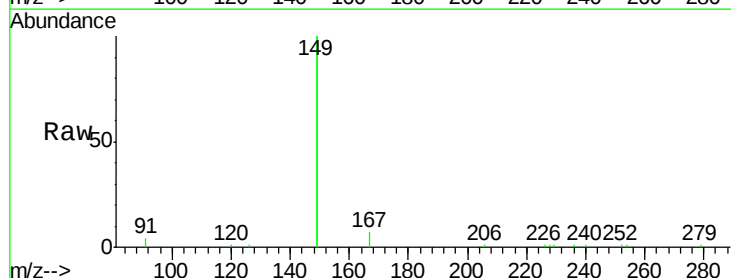
Tgt Ion:149 Resp: 226856

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

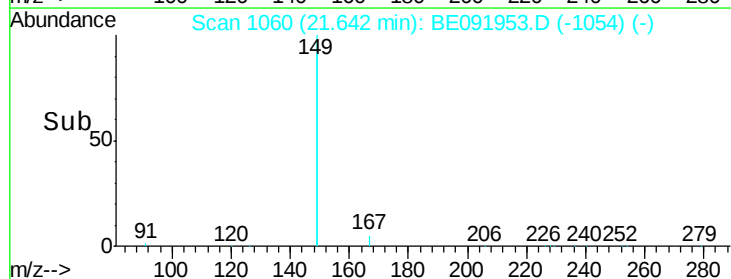
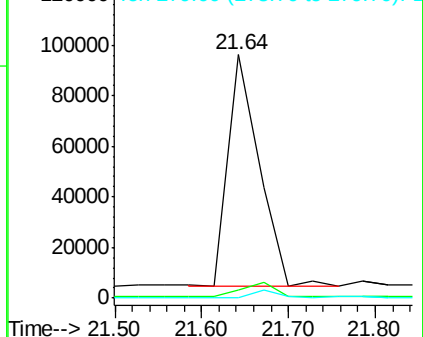
279 0.0 0.0 0.0

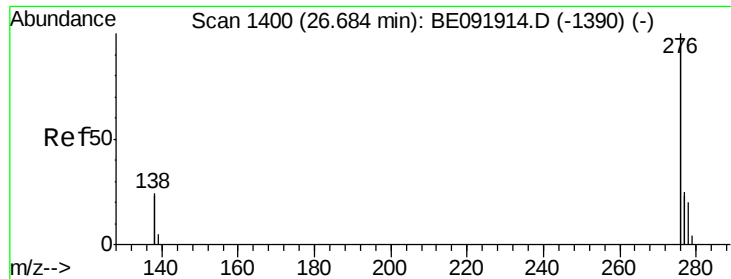


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

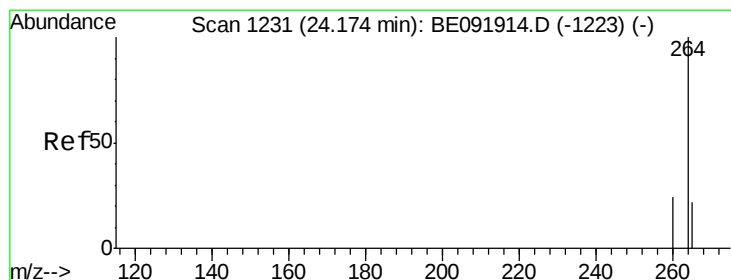
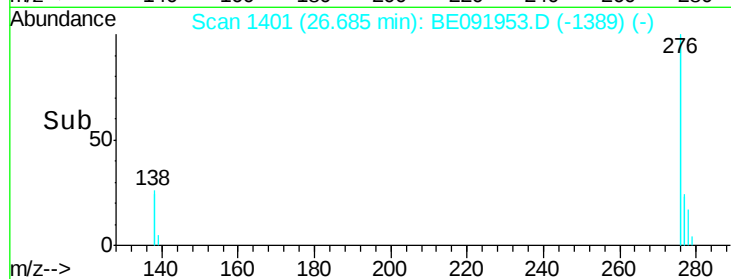
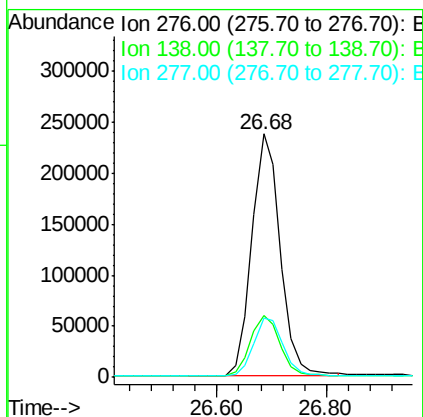
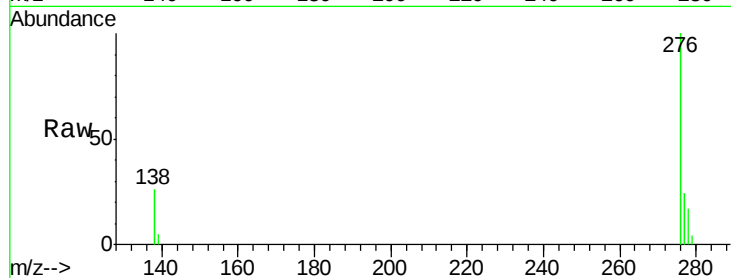




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 4.30 ng
 RT: 26.68 min Scan# 1401
 Delta R.T. -0.00 min
 Lab File: BE091953.D
 Acq: 24 Jun 2016 19:14

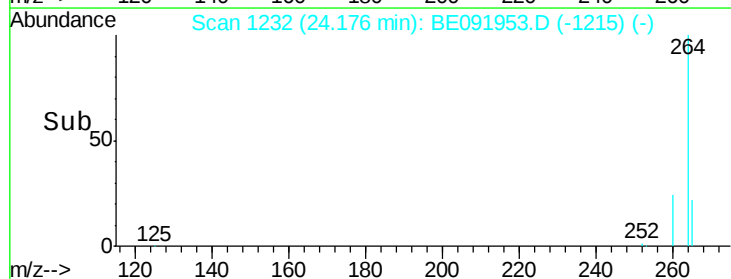
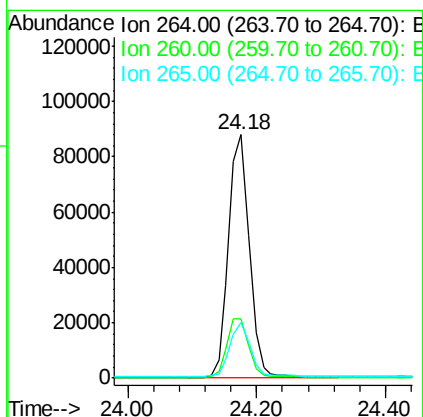
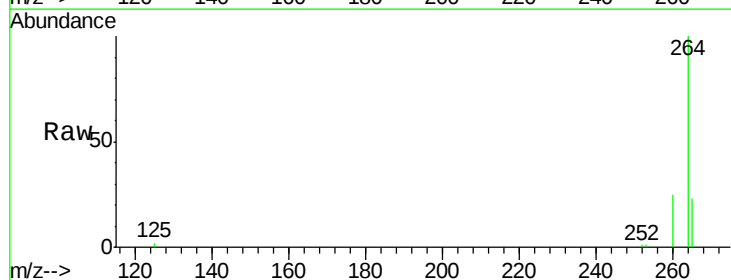
Instrument :
 BNA_E
 ClientSampleId :
 PB91612BS

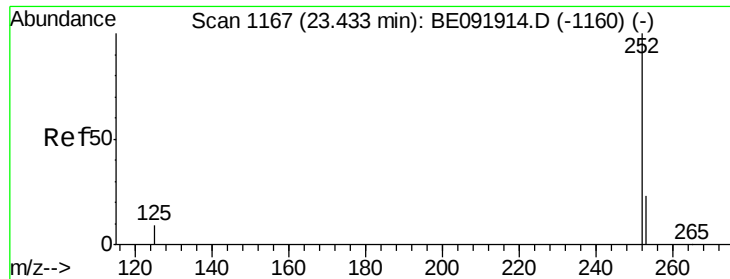
Tgt Ion: 276 Resp: 862210
 Ion Ratio Lower Upper
 276 100
 138 26.2 19.7 29.5
 277 24.9 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.18 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091953.D
 Acq: 24 Jun 2016 19:14

Tgt Ion: 264 Resp: 195509
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.3 30.5
 265 22.7 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 4.29 ng

RT: 23.42 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

PB91612BS

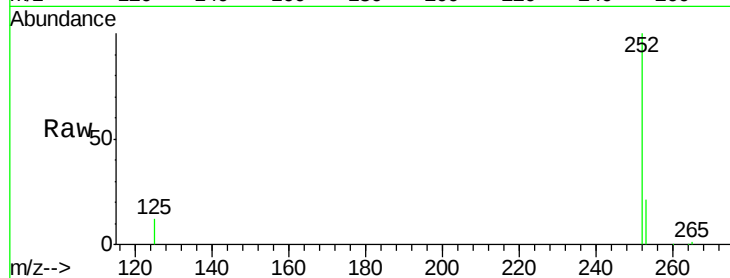
Tgt Ion:252 Resp: 215281

Ion Ratio Lower Upper

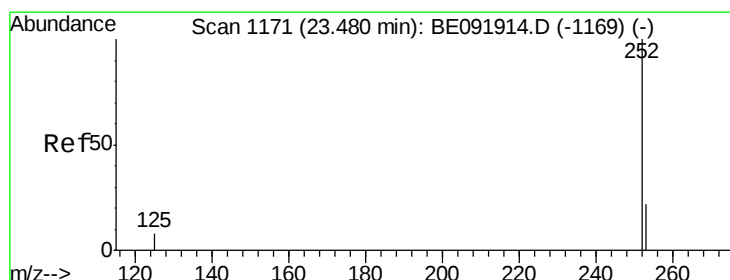
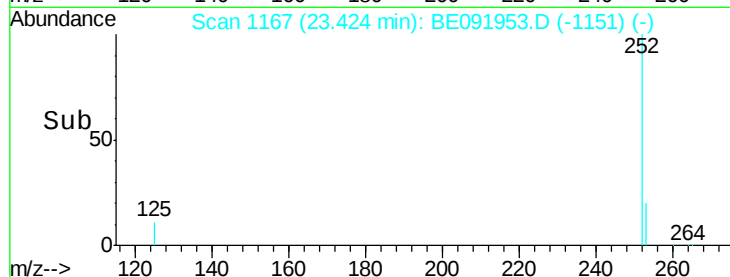
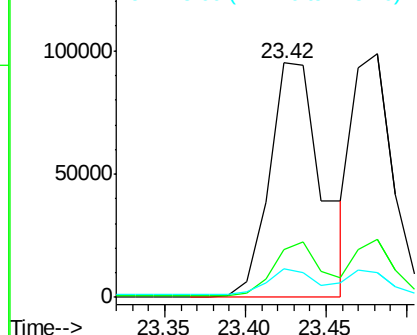
252 100

253 20.6 17.8 26.6

125 12.3 9.4 14.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#42

Benzo(k)fluoranthene

Concen: 3.75 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

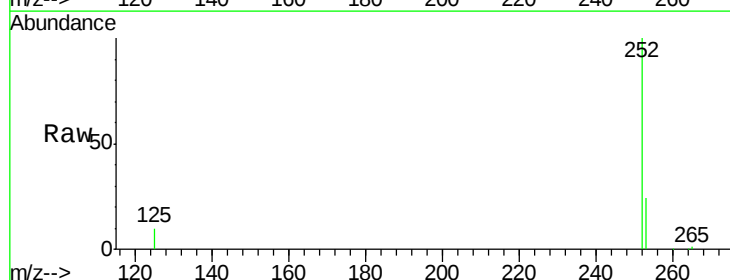
Tgt Ion:252 Resp: 172435

Ion Ratio Lower Upper

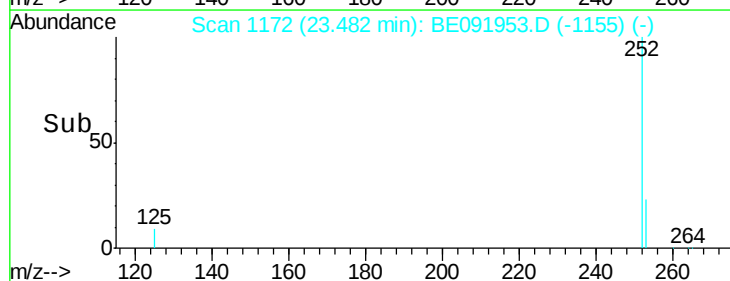
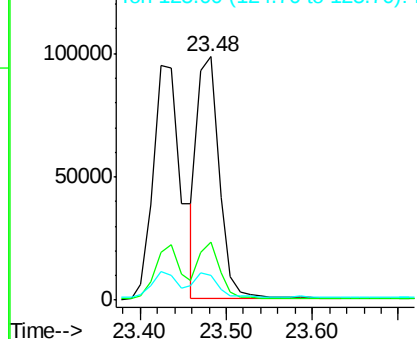
252 100

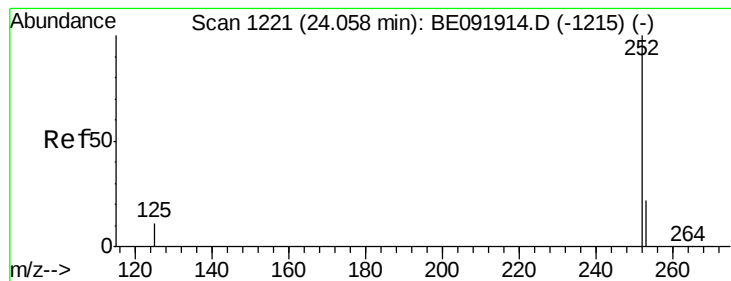
253 23.6 19.4 29.2

125 10.2 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: 4.38 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

PB91612BS

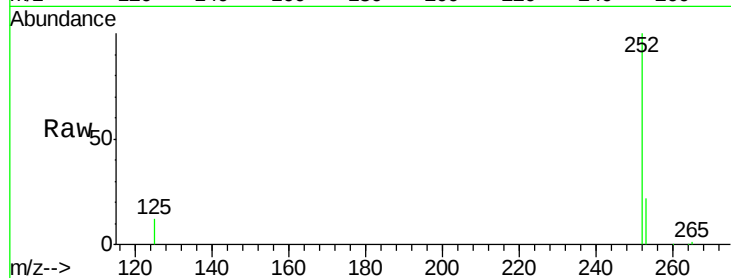
Tgt Ion: 252 Resp: 192258

Ion Ratio Lower Upper

252 100

253 22.5 18.9 28.3

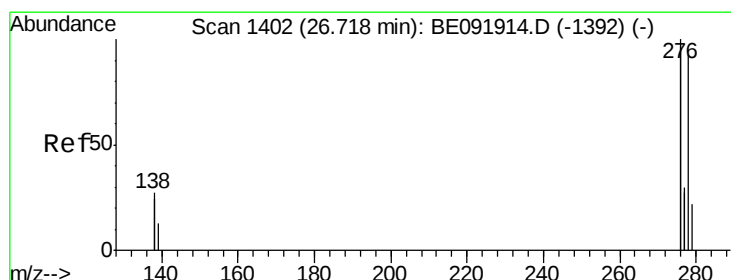
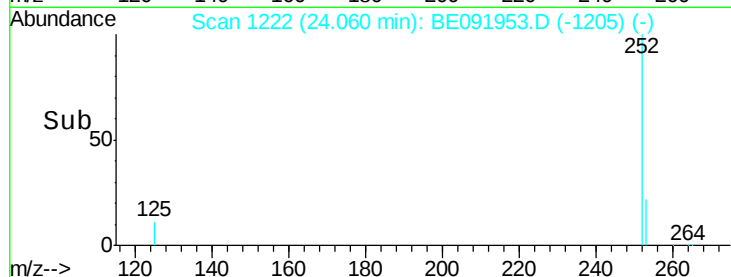
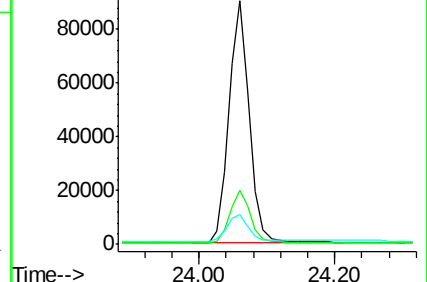
125 12.0 10.5 15.7



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: 4.14 ng

RT: 26.72 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BE091953.D

Acq: 24 Jun 2016 19:14

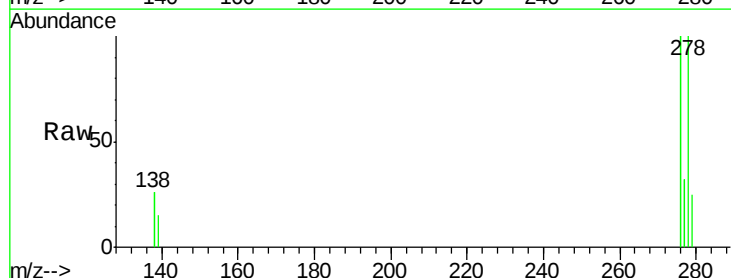
Tgt Ion: 278 Resp: 176881

Ion Ratio Lower Upper

278 100

139 14.9 12.6 18.8

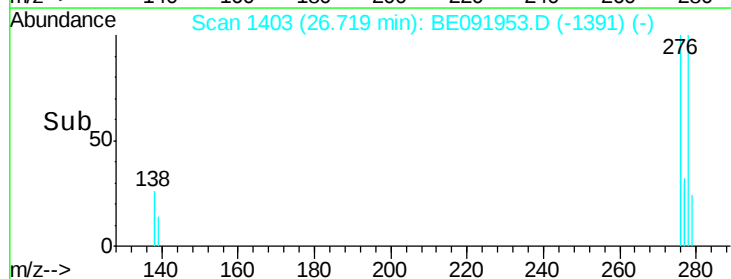
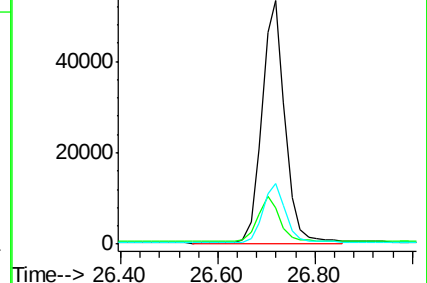
279 25.1 20.0 30.0

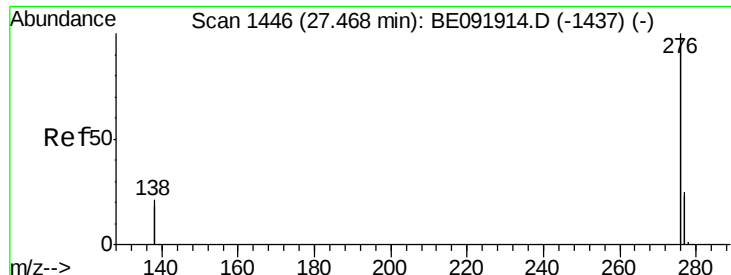


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.12 ng

RT: 27.47 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BE091953.D

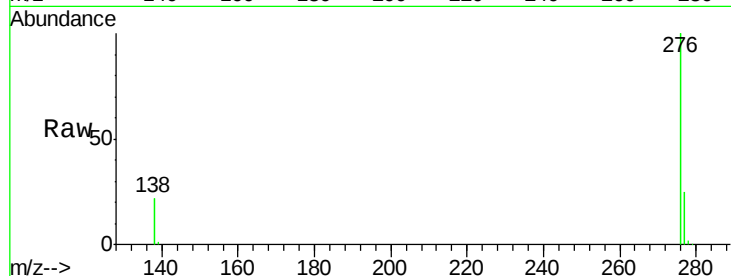
Acq: 24 Jun 2016 19:14

Instrument :

BNA_E

ClientSampleId :

PB91612BS



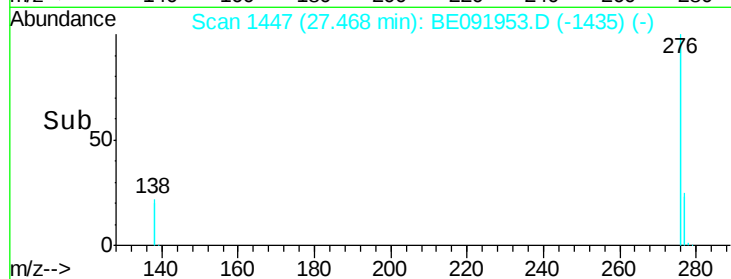
Tgt Ion: 276 Resp: 726343

Ion Ratio Lower Upper

276 100

277 24.6 19.5 29.3

138 21.8 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

