

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE091998.D
 Acq On : 22 Jul 2016 8:52
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 18:05:51 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 22 15:39:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	19908	5.00	ng	0.00
8) Naphthalene-d8	11.00	136	96468	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	66412	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	147077	5.00	ng	0.00
31) Chrysene-d12	21.76	240	233070	5.00	ng	0.00
40) Perylene-d12	24.16	264	167322	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	1438	0.37	ng	0.00
5) Phenol-d6	7.37	99	1937	0.40	ng	0.00
9) Nitrobenzene-d5	9.37	82	2198	0.38	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	496	0.39	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	6678	0.38	ng	0.00
34) Terphenyl-d14	20.22	244	9542	0.41	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	1156	0.43	ng	97
3) n-Nitrosodimethylamine	3.83	42	1082	0.37	ng	# 83
6) bis(2-Chloroethyl)ether	7.61	93	2250	0.39	ng	98
7) n-Nitroso-di-n-propylamine	9.00	70	1758	0.36	ng	# 98
10) Nitrobenzene	9.42	77	2377	0.42	ng	# 100
11) bis(2-Chloroethoxy)methane	10.45	93	3127	0.43	ng	# 16
12) Naphthalene	11.05	128	8900	0.41	ng	97
13) Hexachlorobutadiene	11.34	225	1287	0.41	ng	99
14) 2-Methylnaphthalene	12.68	142	5335	0.39	ng	96
18) Acenaphthylene	14.56	152	33590	0.33	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	3596	0.35	ng	# 47
20) Acenaphthene	14.92	154	7115	0.41	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	6714	0.66	ng	# 1
22) Fluorene	15.90	166	7514	0.36	ng	98
23) 4-Chlorophenyl-phenylether	15.90	204	3930	0.38	ng	97
25) 4-Bromophenyl-phenylether	16.78	248	2357	0.38	ng	97
26) Hexachlorobenzene	16.90	284	2520	0.40	ng	96
27) Pentachlorophenol	17.26	266	384	0.44	ng	93
28) Phenanthrene	17.64	178	15382	0.40	ng	100
29) Anthracene	17.73	178	13080	0.38	ng	100
30) Fluoranthene	19.65	202	61207	0.40	ng	# 87
32) Benzidine	19.86	184	2298	0.38	ng	# 85
33) Pyrene	20.02	202	63288	0.37	ng	# 75
35) Benzo(a)anthracene	21.79	228	46148	0.88	ng	95
36) 3,3'-Dichlorobenzidine	21.70	252	2268	0.36	ng	# 98
37) Chrysene	21.79	228	46705	0.73	ng	95
38) Bis(2-ethylhexyl)phthalate	21.64	149	12975	0.35	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	68311	0.39	ng	98
41) Benzo(b)fluoranthene	23.43	252	18062	0.41	ng	96
42) Benzo(k)fluoranthene	23.48	252	15450	0.35	ng	99
43) Benzo(a)pyrene	24.06	252	14894	0.36	ng	99
44) Dibenzo(a,h)anthracene	26.72	278	13499	0.37	ng	99
45) Benzo(g,h,i)perylene	27.47	276	57111	0.38	ng	98

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 22 15:39:27 2016
Response via : Initial Calibration

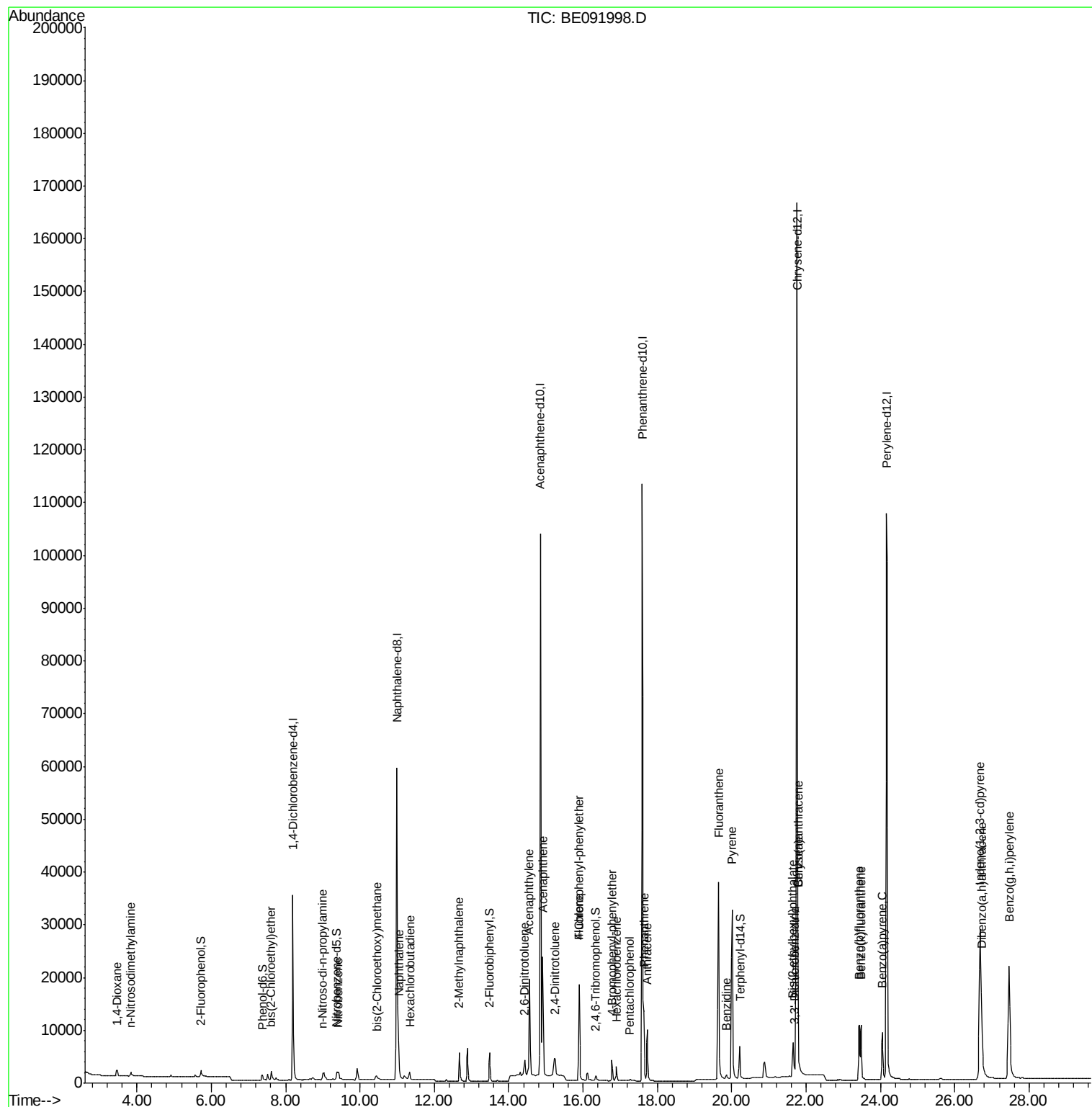
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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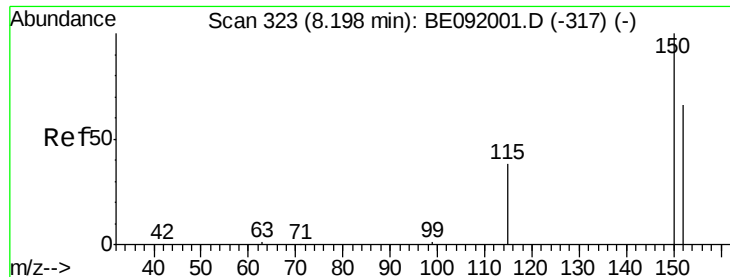
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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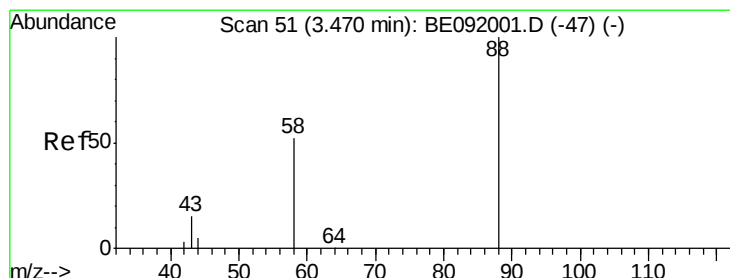
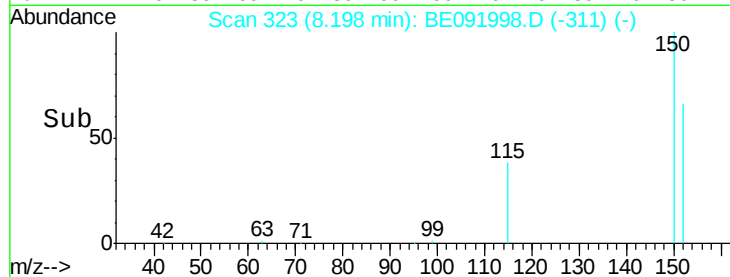
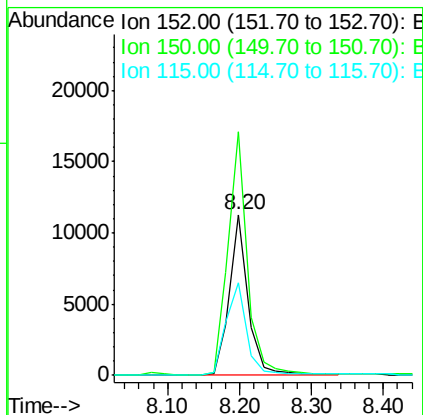
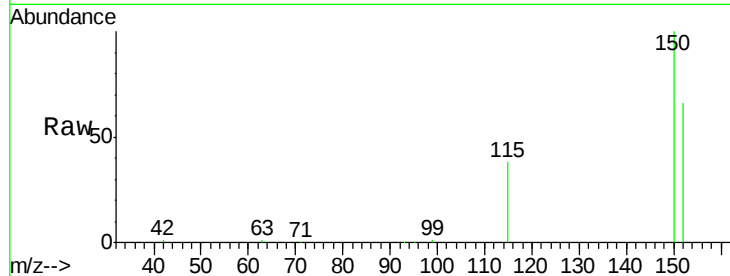


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. -0.00 min
Lab File: BE091998.D
Acq: 22 Jul 2016 8:52

Instrument :
BNA_E
ClientSampleId :

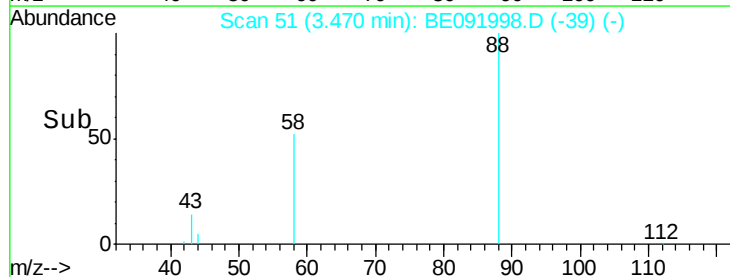
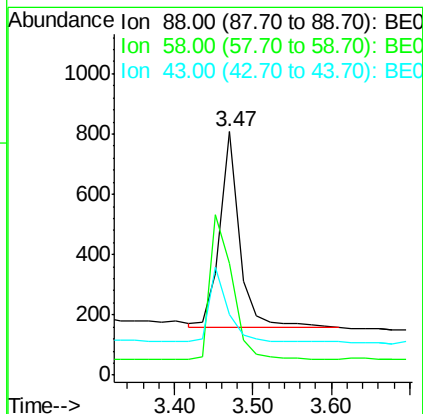
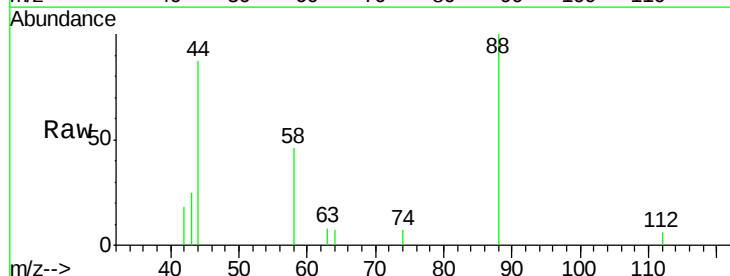
Tgt Ion: 152 Resp: 19908
Ion Ratio Lower Upper
152 100
150 151.2 123.9 185.9
115 57.5 48.3 72.5

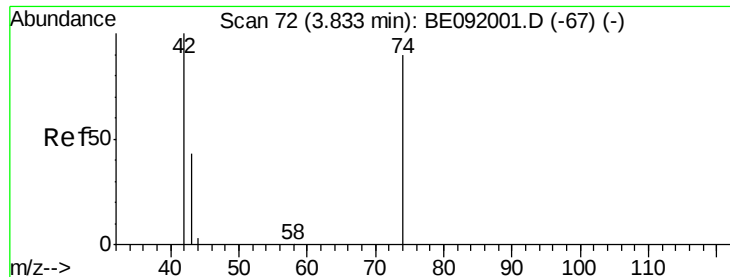


#2

1,4-Dioxane
Concen: 0.43 ng
RT: 3.47 min Scan# 51
Delta R.T. 0.00 min
Lab File: BE091998.D
Acq: 22 Jul 2016 8:52

Tgt Ion: 88 Resp: 1156
Ion Ratio Lower Upper
88 100
58 81.8 63.0 94.4
43 35.6 29.1 43.7





#3

n-Nitrosodimethylamine

Concen: 0.37 ng

RT: 3.83 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Instrument :

BNA_E

ClientSampleId :

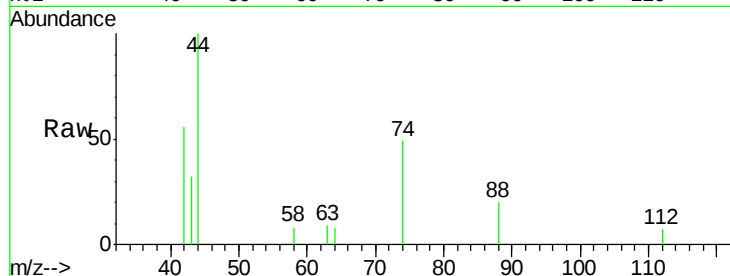
Tgt Ion: 42 Resp: 1082

Ion Ratio Lower Upper

42 100

74 99.2 93.4 140.0

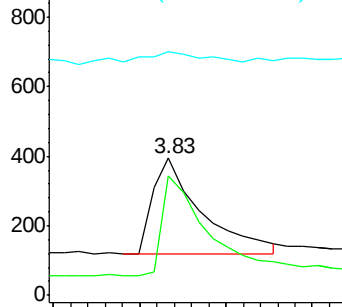
44 17.8 5.0 7.6#



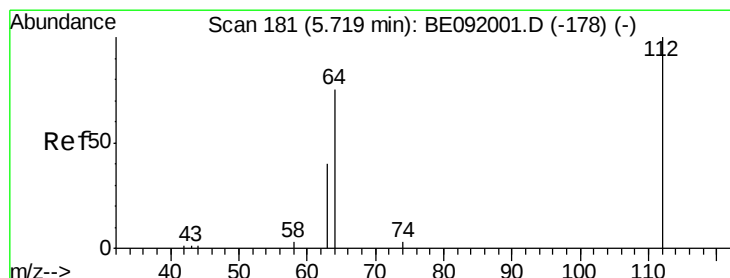
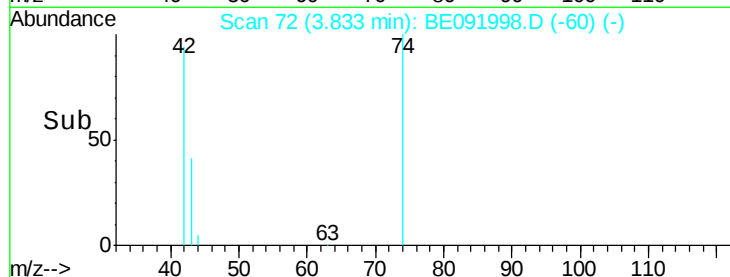
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time--> 3.70 3.80 3.90 4.00



#4

2-Fluorophenol

Concen: 0.37 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

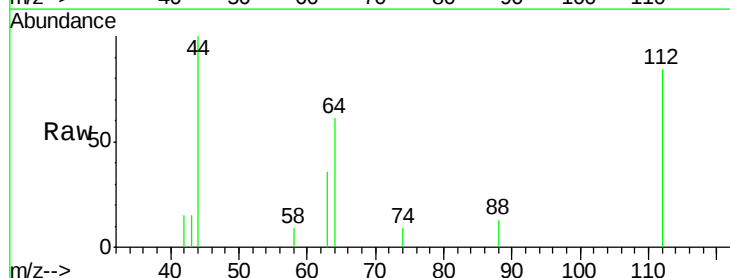
Tgt Ion: 112 Resp: 1438

Ion Ratio Lower Upper

112 100

64 67.0 53.7 80.5

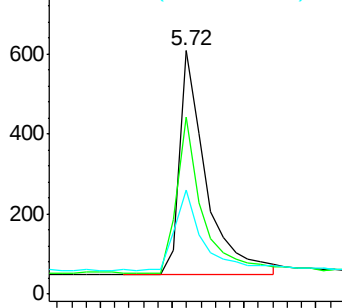
63 38.3 29.5 44.3



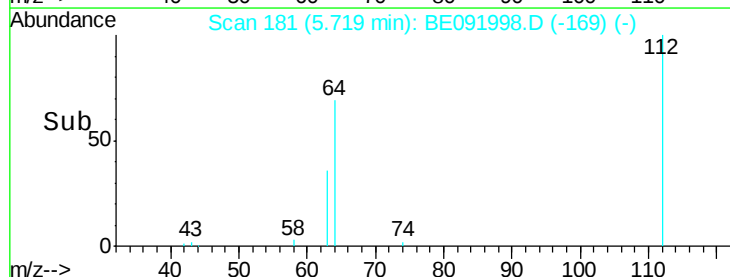
Abundance Ion 112.00 (111.70 to 112.70): E

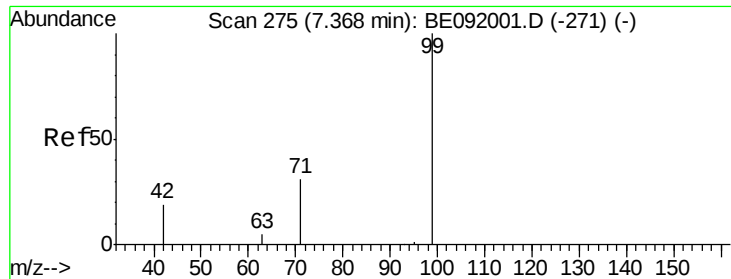
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time--> 5.60 5.70 5.80 5.90





#5

Phenol-d6

Concen: 0.40 ng

RT: 7.37 min Scan# 275

Delta R.T. -0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Instrument :

BNA_E

ClientSampleId :

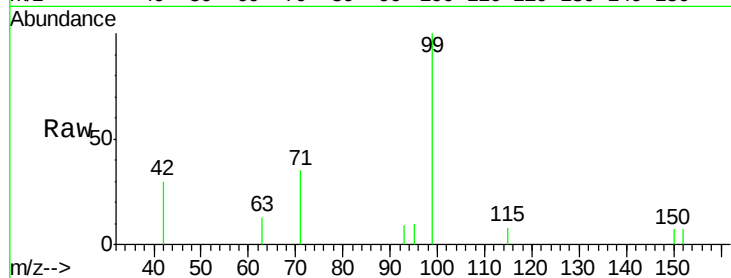
Tgt Ion: 99 Resp: 1937

Ion Ratio Lower Upper

99 100

42 27.8 19.6 29.4

71 37.3 28.1 42.1

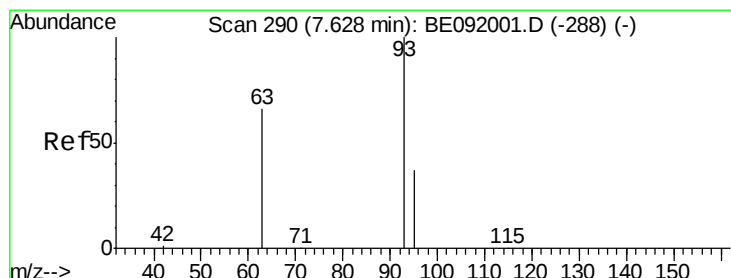
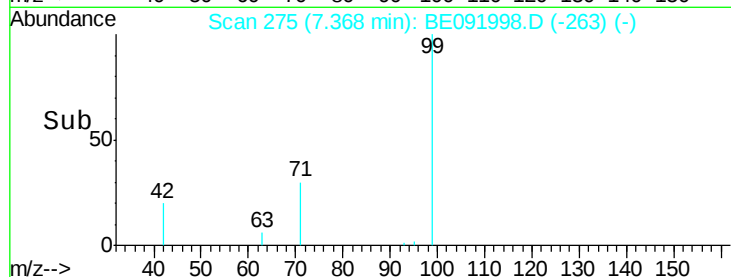
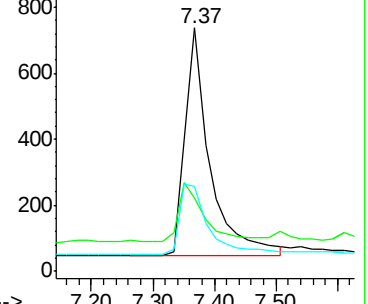


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.39 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

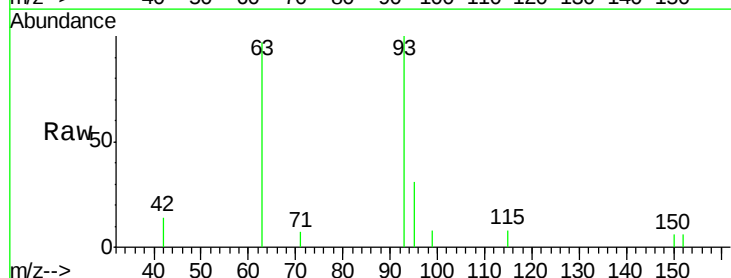
Tgt Ion: 93 Resp: 2250

Ion Ratio Lower Upper

93 100

63 80.9 66.2 99.4

95 32.5 25.5 38.3

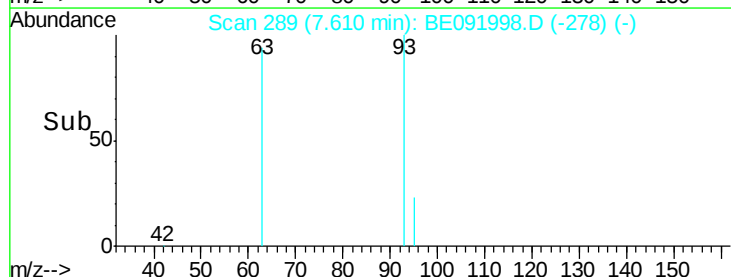
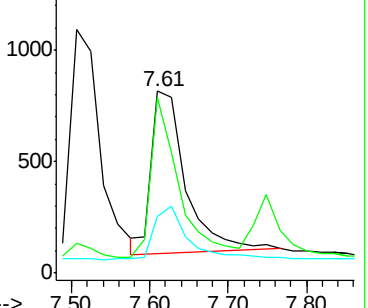


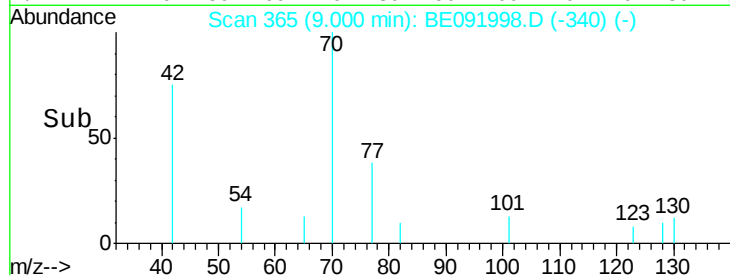
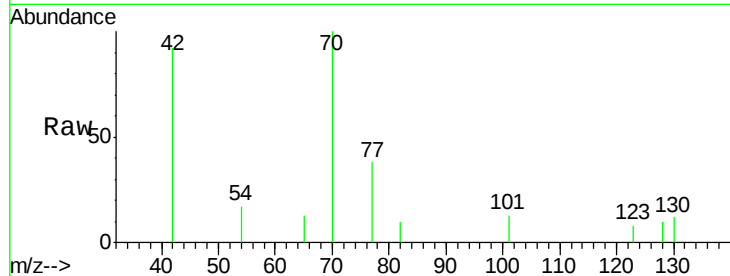
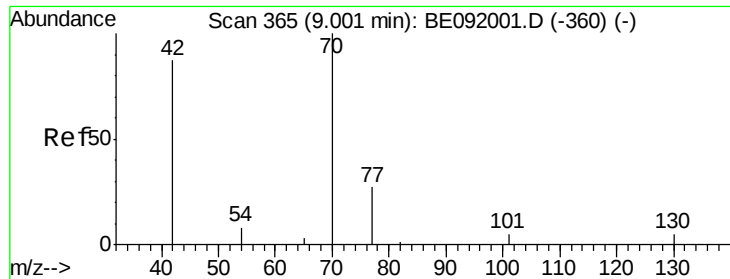
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

Time-->





#7

n-Nitroso-di-n-propylamine

Concen: 0.36 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE091998.D

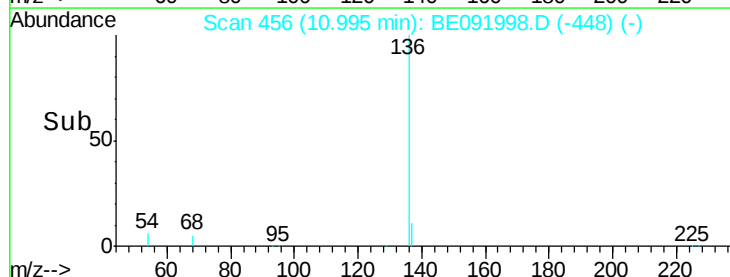
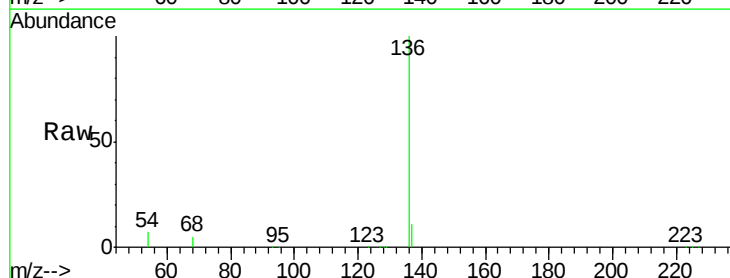
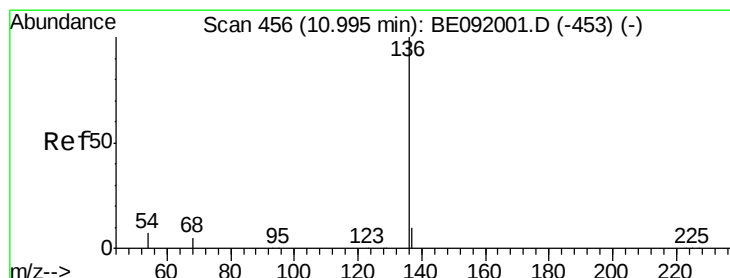
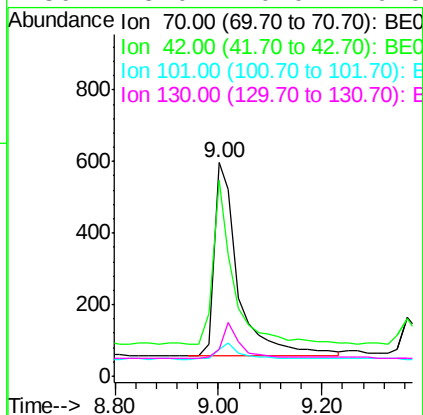
Acq: 22 Jul 2016 8:52

Instrument :

BNA_E

ClientSampleId :

Tgt Ion:	70	Resp:	1758
Ion Ratio	Lower	Upper	
70	100		
42	71.8	58.4	87.6
101	6.8	6.4	9.6
130	15.0	0.0	0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

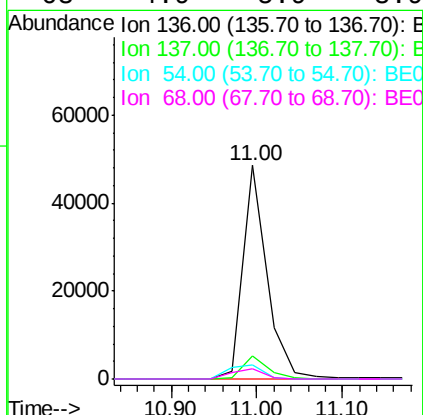
RT: 11.00 min Scan# 456

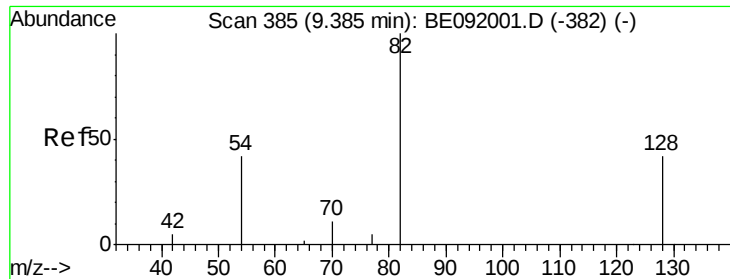
Delta R.T. 0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Tgt Ion:	136	Resp:	96468
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.3	12.5
54	6.6	8.2	12.4#
68	4.9	5.9	8.9#





#9

Nitrobenzene-d5

Concen: 0.38 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Instrument :

BNA_E

ClientSampleId :

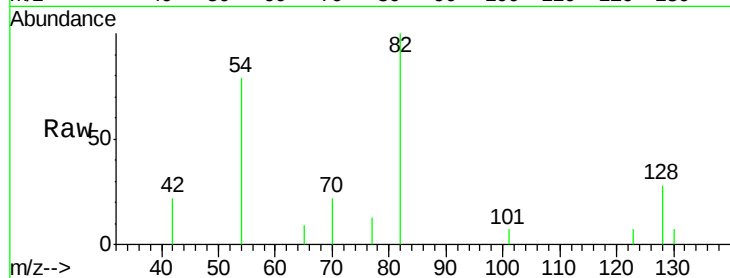
Tgt Ion: 82 Resp: 2198

Ion Ratio Lower Upper

82 100

128 28.1 39.5 59.3#

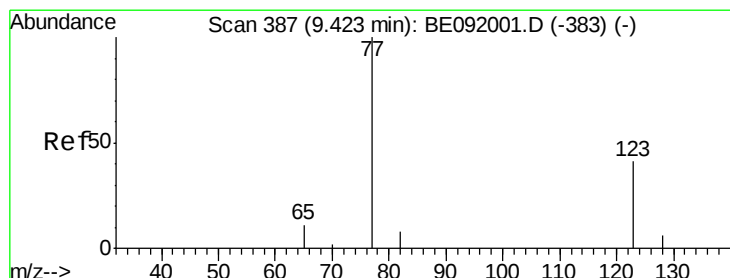
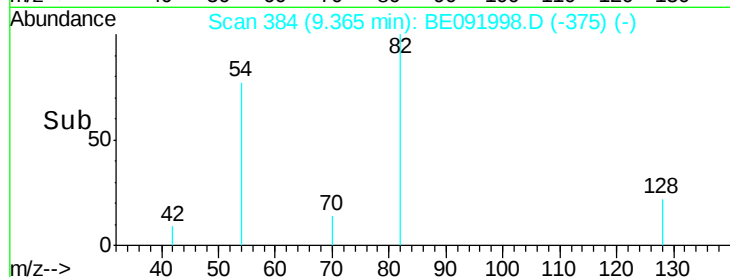
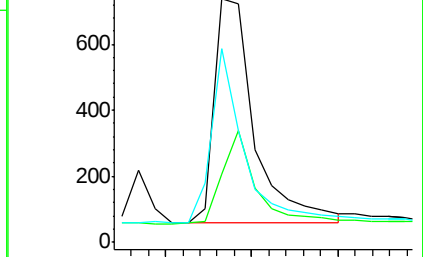
54 79.4 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE092001.D (-382) (-)

Ion 128.00 (127.70 to 128.70): BE092001.D (-382) (-)

Ion 54.00 (53.70 to 54.70): BE092001.D (-382) (-)



#10

Nitrobenzene

Concen: 0.42 ng

RT: 9.42 min Scan# 387

Delta R.T. 0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

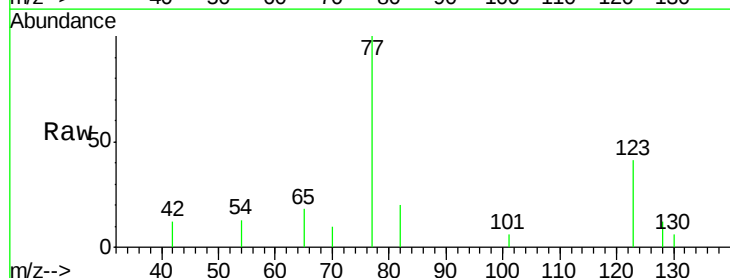
Tgt Ion: 77 Resp: 2377

Ion Ratio Lower Upper

77 100

123 37.4 0.0 0.0#

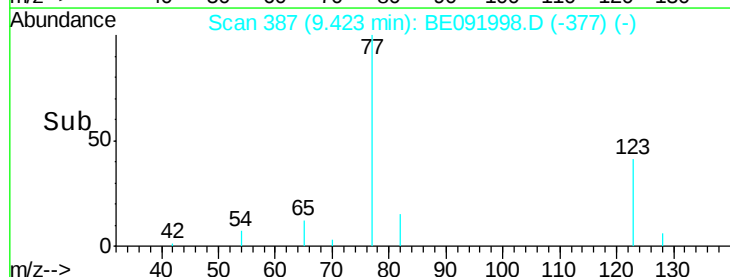
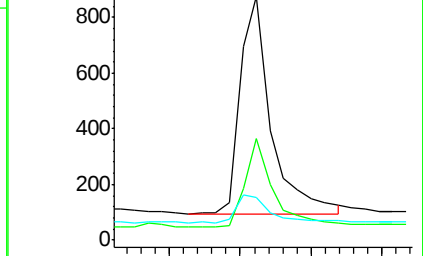
65 13.8 11.1 16.7

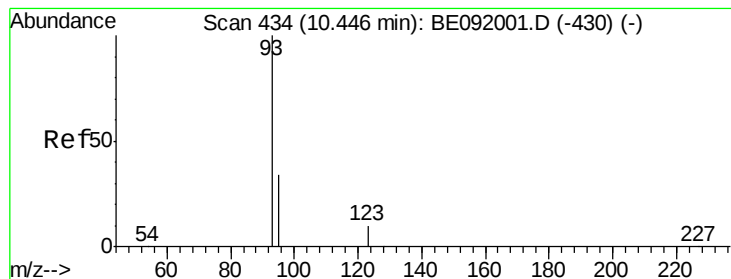


Abundance Ion 77.00 (76.70 to 77.70): BE092001.D (-383) (-)

Ion 123.00 (122.70 to 123.70): BE092001.D (-383) (-)

Ion 65.00 (64.70 to 65.70): BE092001.D (-383) (-)

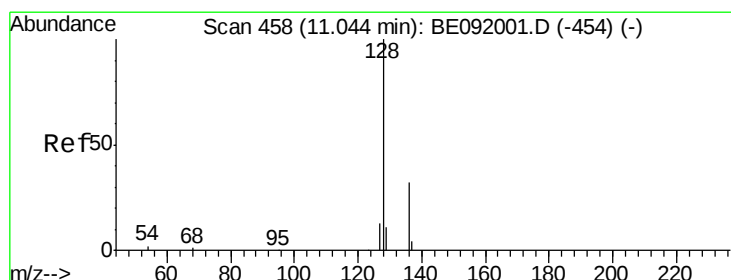
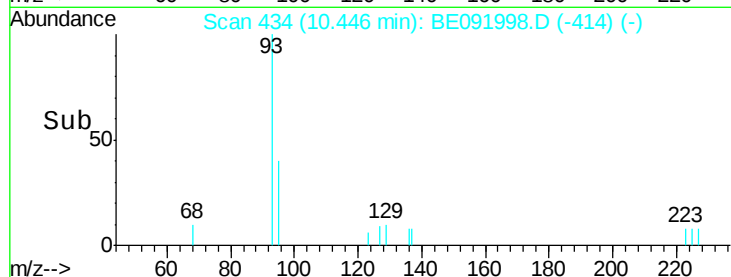
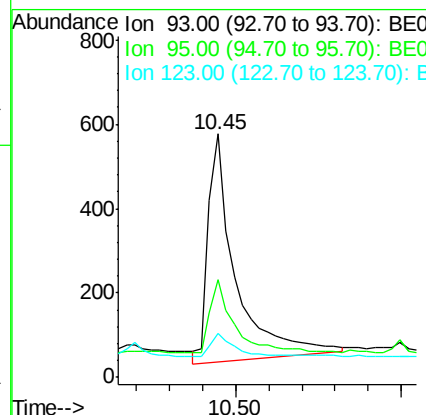
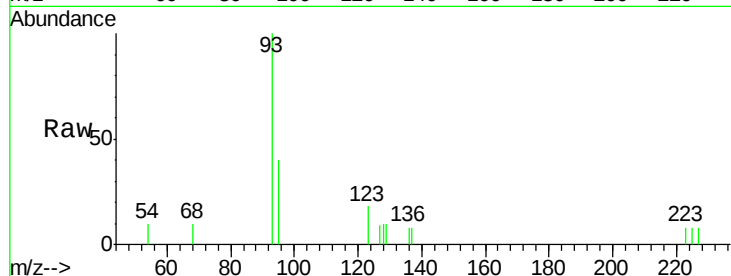




#11
bis(2-Chloroethoxy)methane
Concen: 0.43 ng
RT: 10.45 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE091998.D
Acq: 22 Jul 2016 8:52

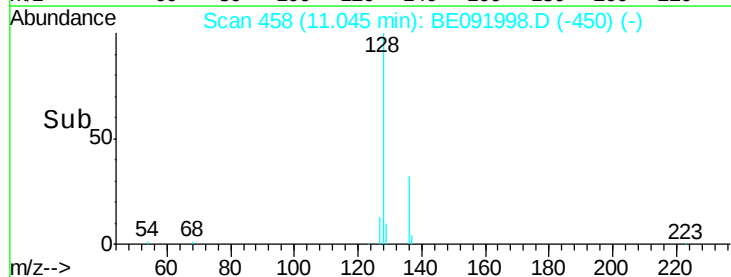
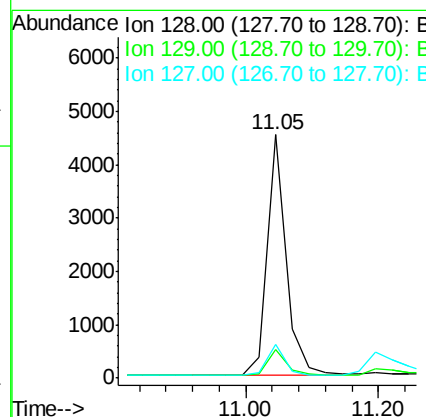
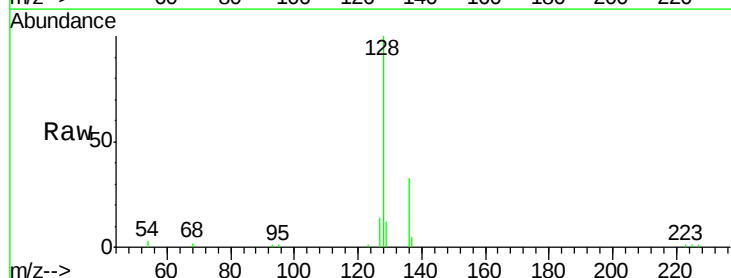
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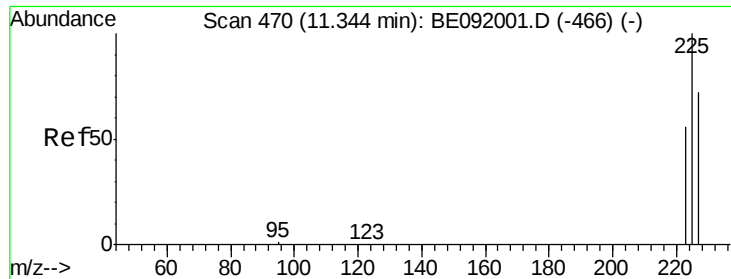
Tgt Ion: 93 Resp: 3127
Ion Ratio Lower Upper
93 100
95 28.6 57.6 86.4#
123 9.0 100.2 150.4#



#12
Naphthalene
Concen: 0.41 ng
RT: 11.05 min Scan# 458
Delta R.T. 0.00 min
Lab File: BE091998.D
Acq: 22 Jul 2016 8:52

Tgt Ion: 128 Resp: 8900
Ion Ratio Lower Upper
128 100
129 11.5 10.4 15.6
127 13.8 10.2 15.2

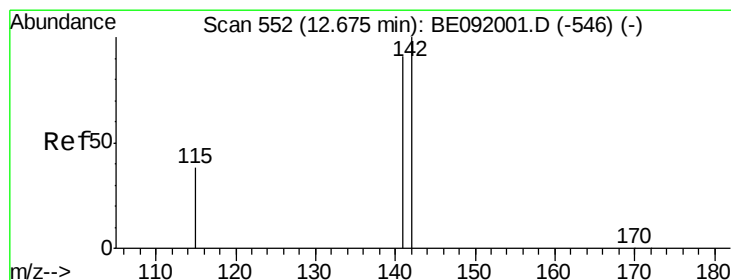
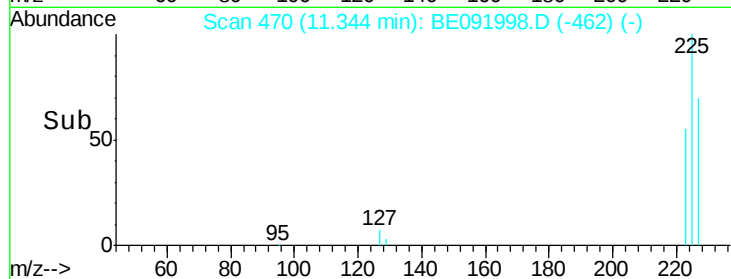
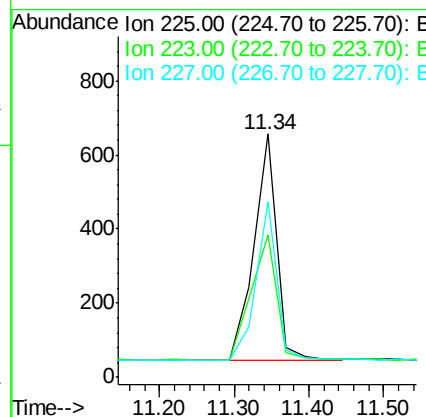
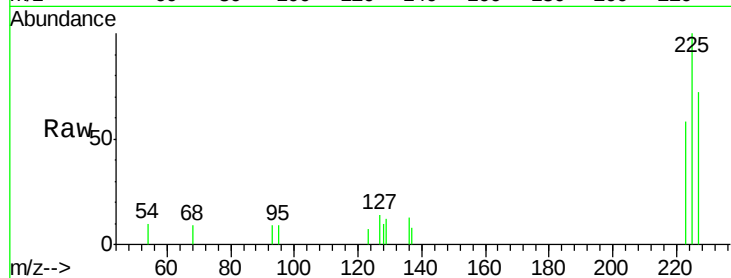




#13
Hexachlorobutadiene
Concen: 0.41 ng
RT: 11.34 min Scan# 470
Delta R.T. 0.00 min
Lab File: BE091998.D
Acq: 22 Jul 2016 8:52

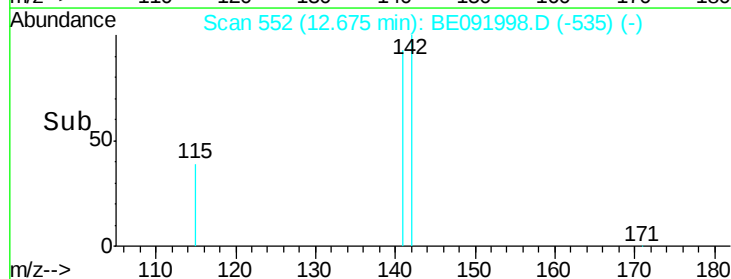
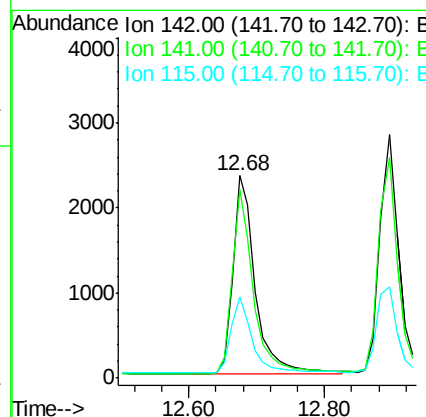
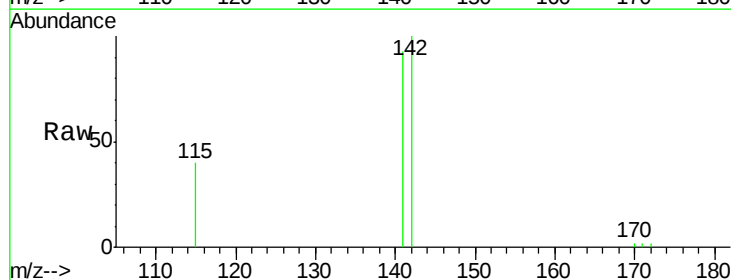
Instrument :
BNA_E
ClientSampleId :

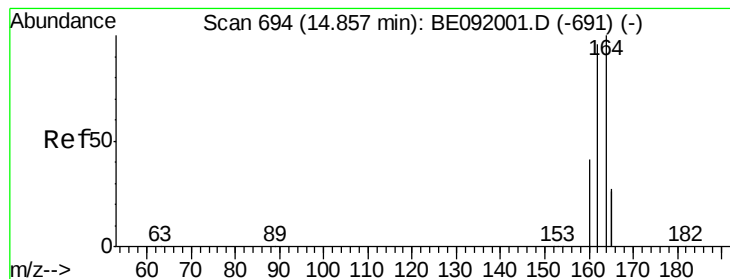
Tgt Ion: 225 Resp: 1287
Ion Ratio Lower Upper
225 100
223 61.5 49.8 74.8
227 64.6 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.68 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE091998.D
Acq: 22 Jul 2016 8:52

Tgt Ion: 142 Resp: 5335
Ion Ratio Lower Upper
142 100
141 93.4 71.9 107.9
115 40.3 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: BE091998.D

Acq: 22 Jul 2016 8:52

Instrument :

BNA_E

ClientSampleId :

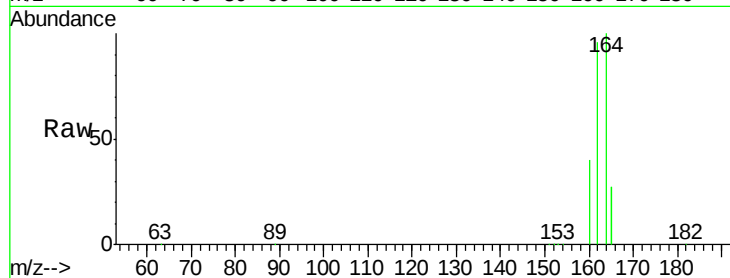
Tgt Ion:164 Resp: 66412

Ion Ratio Lower Upper

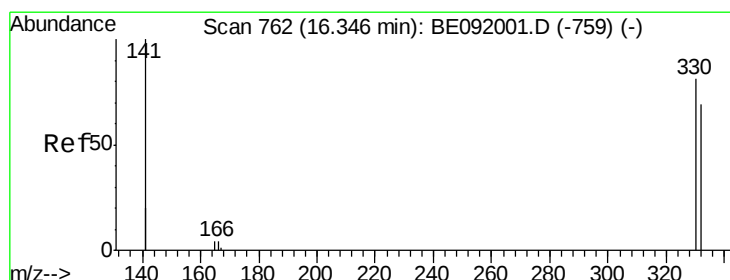
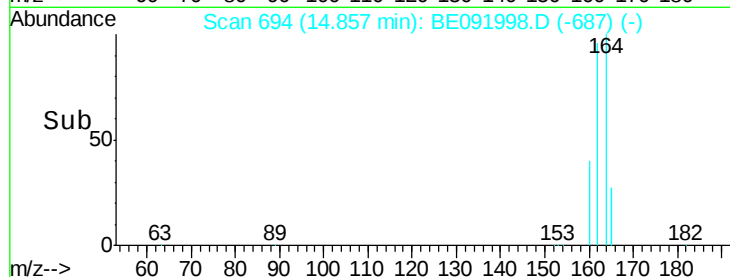
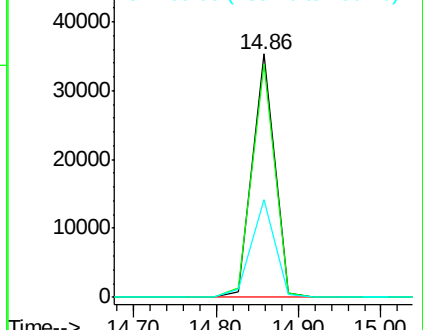
164 100

162 95.7 71.8 107.8

160 40.2 28.0 42.0



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



#16

2,4,6-Tribromophenol

Concen: 0.39 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

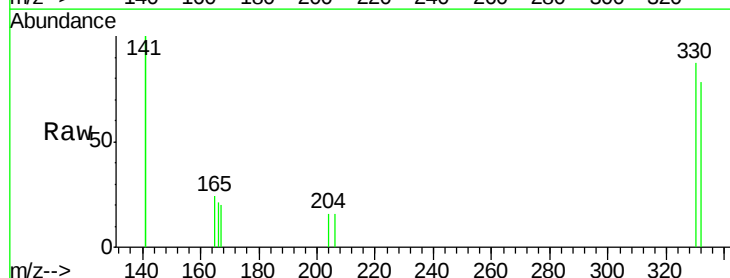
Tgt Ion:330 Resp: 496

Ion Ratio Lower Upper

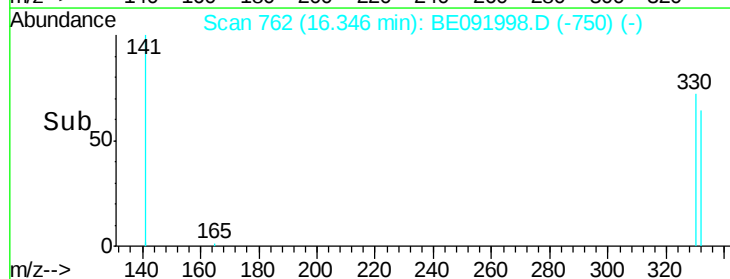
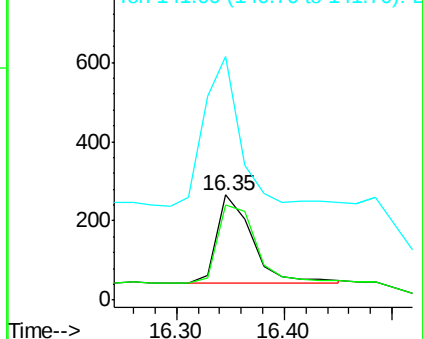
330 100

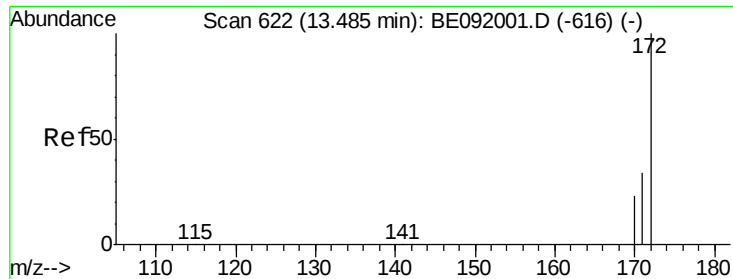
332 97.0 77.0 115.6

141 179.2 138.4 207.6



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

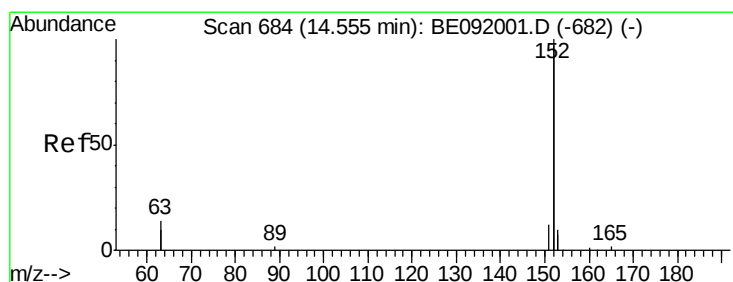
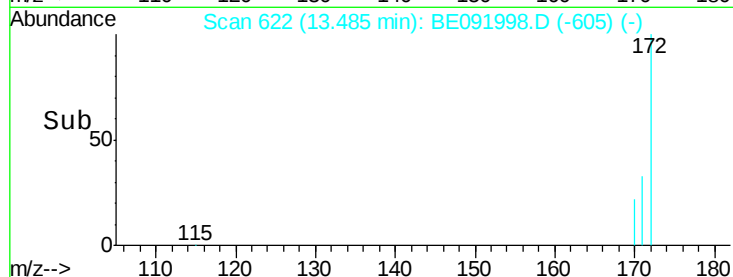
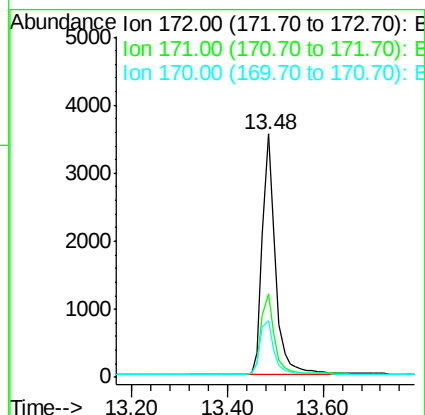
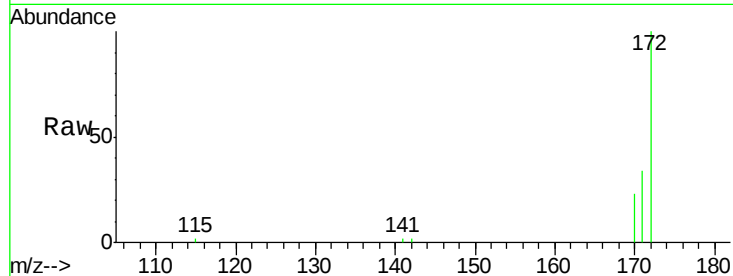




#17
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 13.48 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091998.D
Acq: 22 Jul 2016 8:52

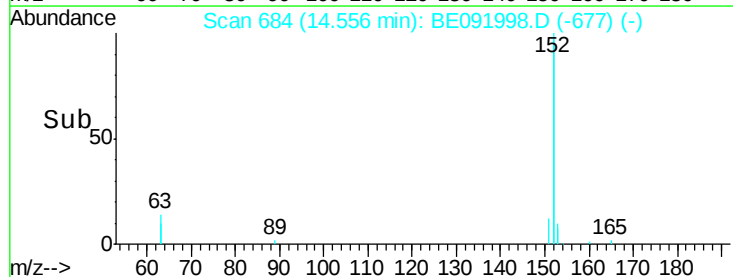
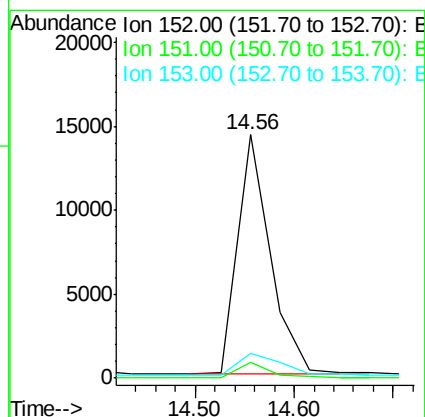
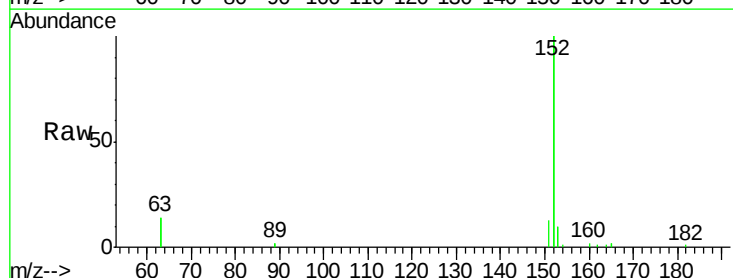
Instrument :
BNA_E
ClientSampleId :

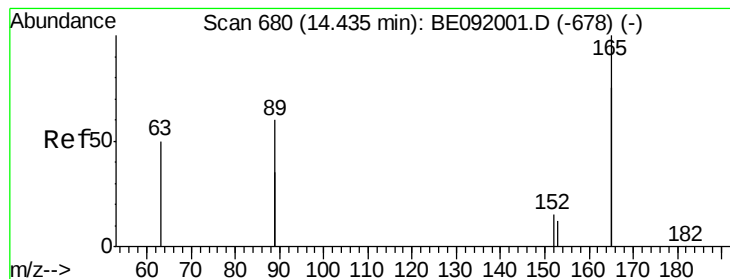
Tgt Ion:172 Resp: 6678
Ion Ratio Lower Upper
172 100
171 34.2 24.3 36.5
170 23.1 14.9 22.3#



#18
Acenaphthylene
Concen: 0.33 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE091998.D
Acq: 22 Jul 2016 8:52

Tgt Ion:152 Resp: 33590
Ion Ratio Lower Upper
152 100
151 5.6 19.4 29.2#
153 11.3 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.35 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Instrument :

BNA_E

ClientSampled :

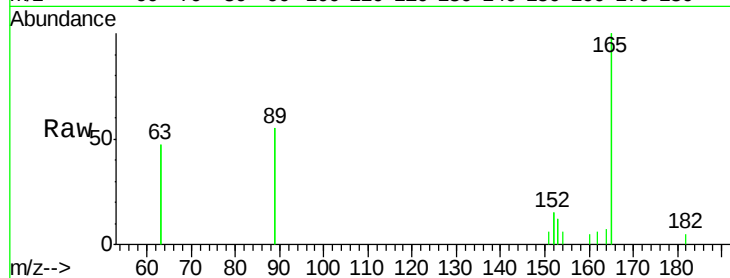
Tgt Ion:165 Resp: 3596

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

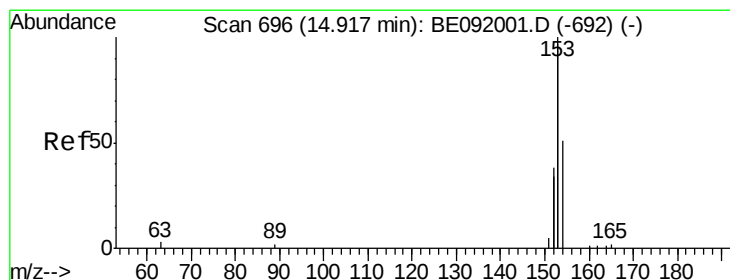
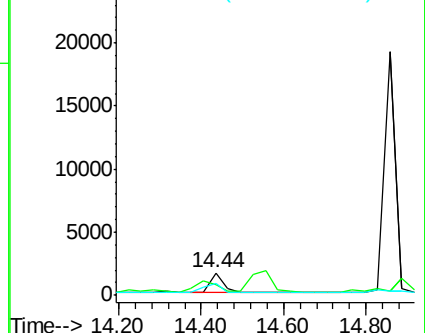
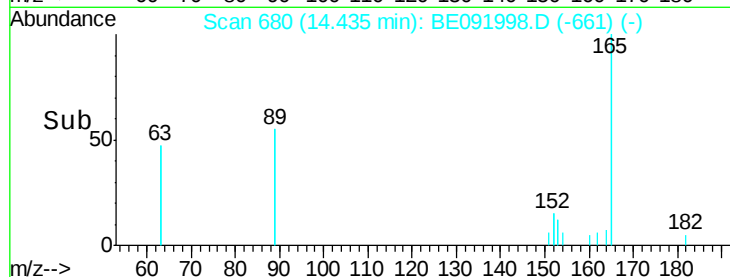
89 66.4 59.1 88.7



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: 0.41 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

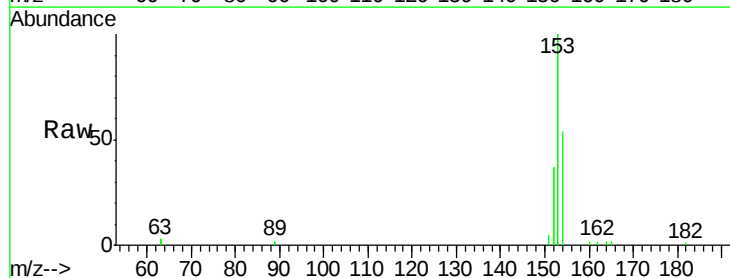
Tgt Ion:154 Resp: 7115

Ion Ratio Lower Upper

154 100

153 382.7 88.1 132.1#

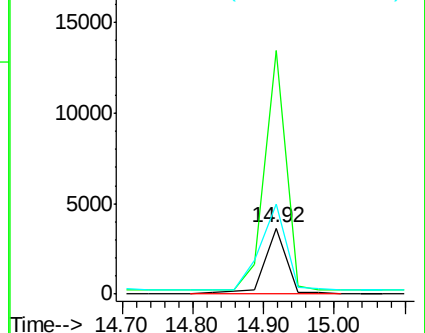
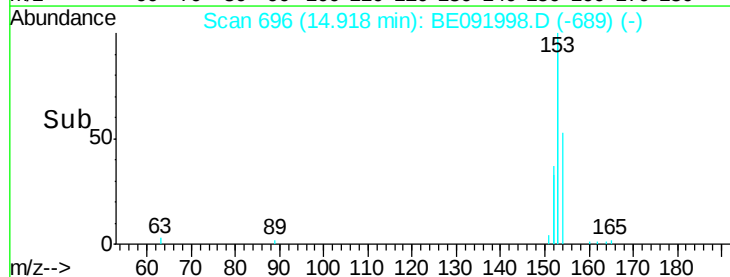
152 165.9 44.2 66.2#

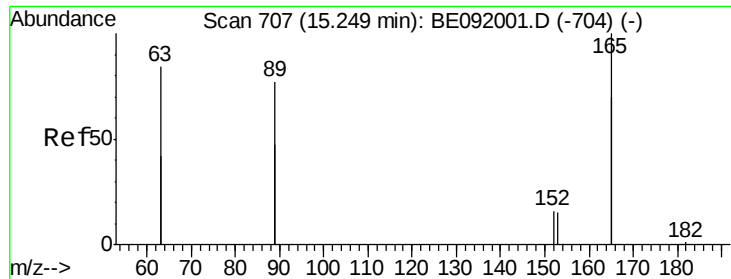


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

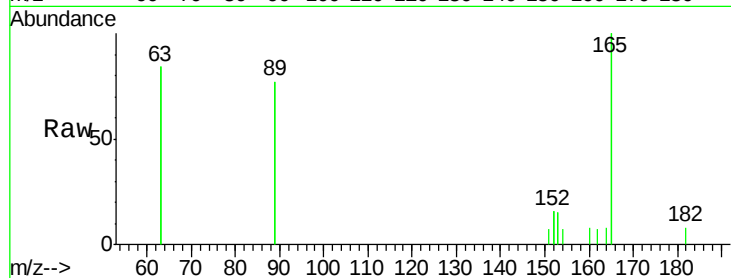




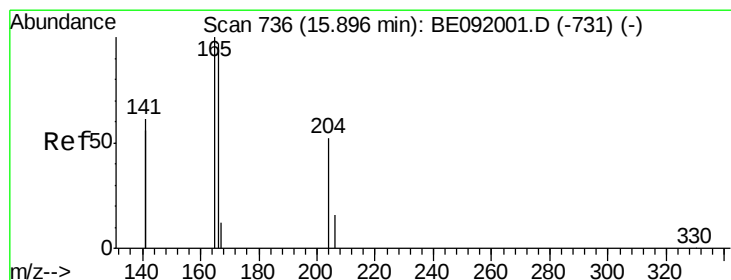
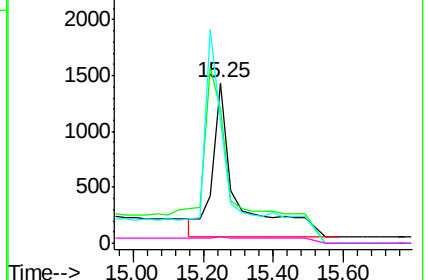
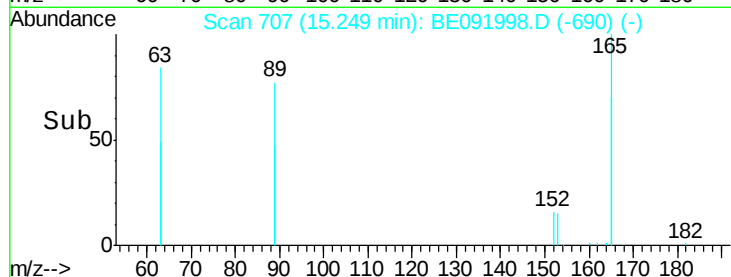
#21
2,4-Dinitrotoluene
Concen: 0.66 ng
RT: 15.25 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091998.D
Acq: 22 Jul 2016 8:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:165 Resp: 6714
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 0.0 0.0 0.0

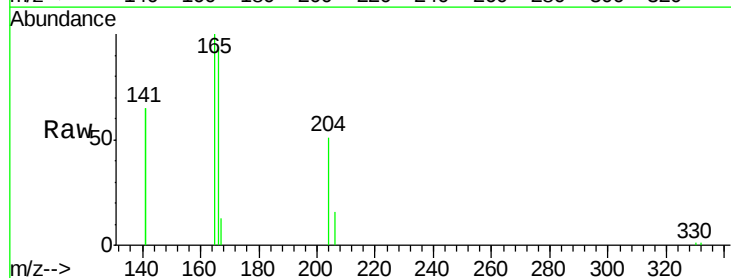


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

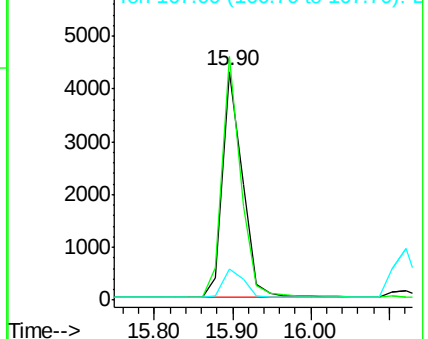
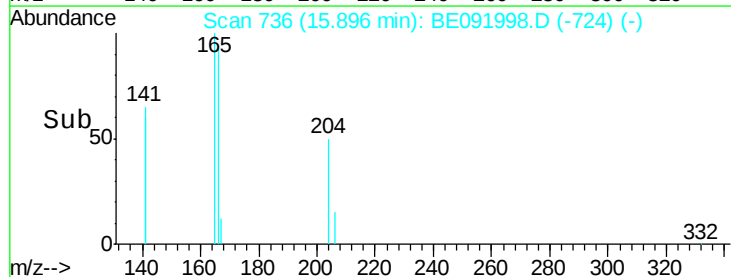


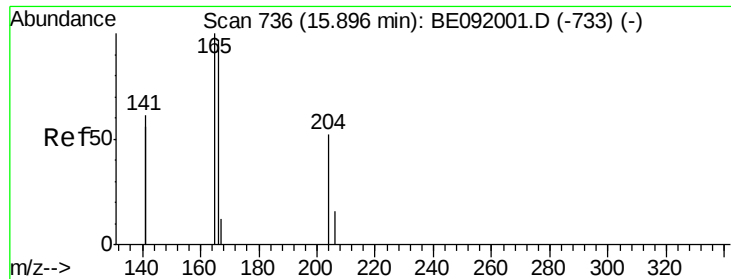
#22
Fluorene
Concen: 0.36 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091998.D
Acq: 22 Jul 2016 8:52

Tgt Ion:166 Resp: 7514
Ion Ratio Lower Upper
166 100
165 100.6 78.6 117.8
167 13.7 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

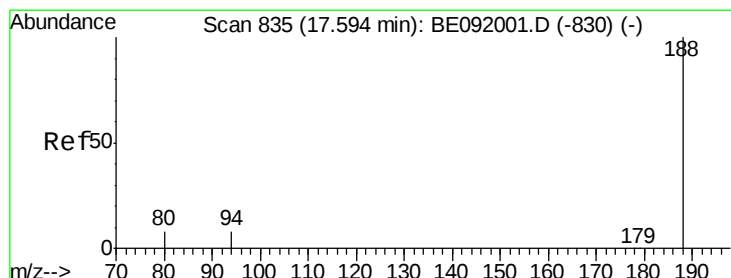
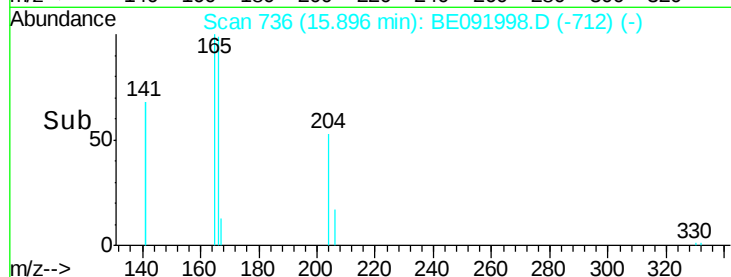
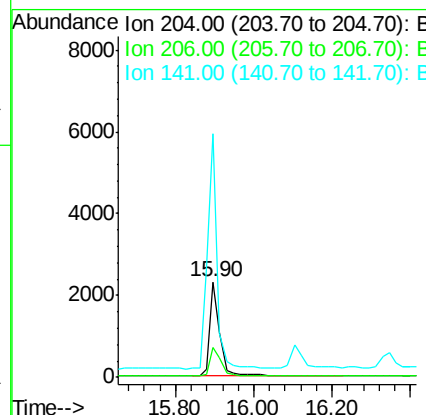
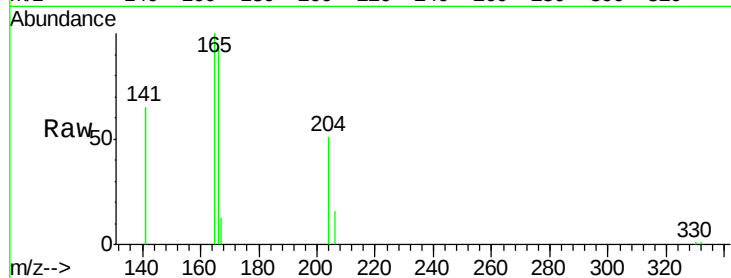




#23
 4-Chlorophenyl-phenylether
 Concen: 0.38 ng
 RT: 15.90 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BE091998.D
 Acq: 22 Jul 2016 8:52

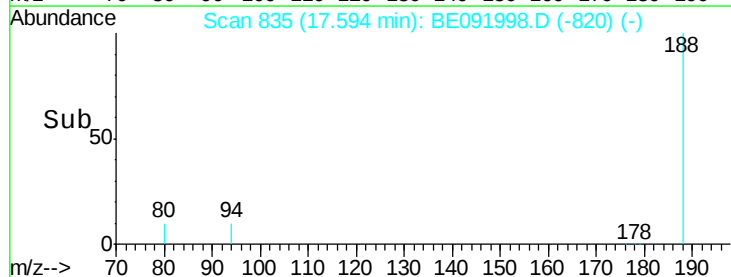
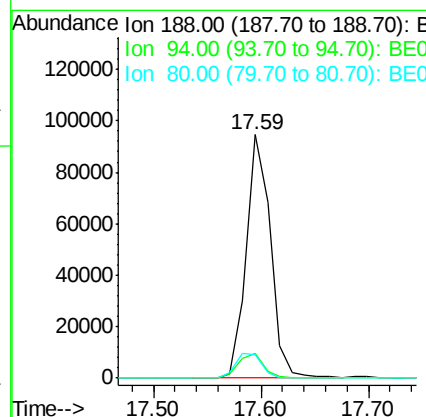
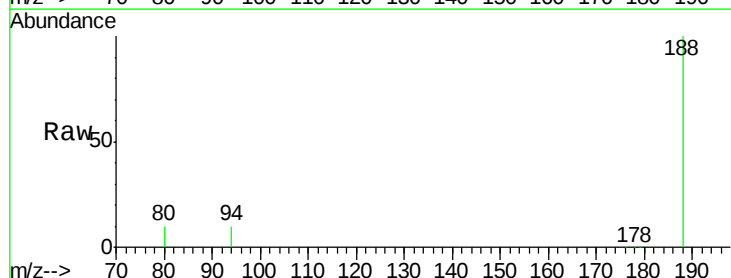
Instrument :
 BNA_E
 ClientSampleId :

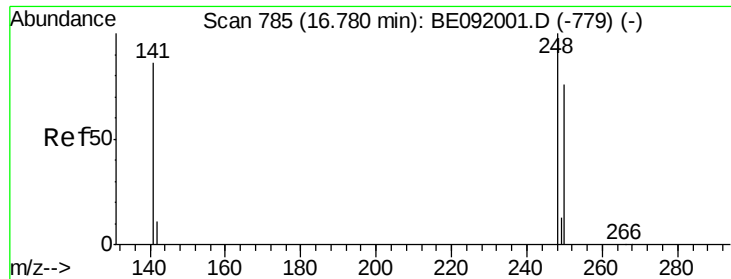
Tgt Ion:204 Resp: 3930
 Ion Ratio Lower Upper
 204 100
 206 33.7 27.8 41.6
 141 252.6 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BE091998.D
 Acq: 22 Jul 2016 8:52

Tgt Ion:188 Resp: 147077
 Ion Ratio Lower Upper
 188 100
 94 9.9 4.1 6.1#
 80 9.7 3.4 5.2#

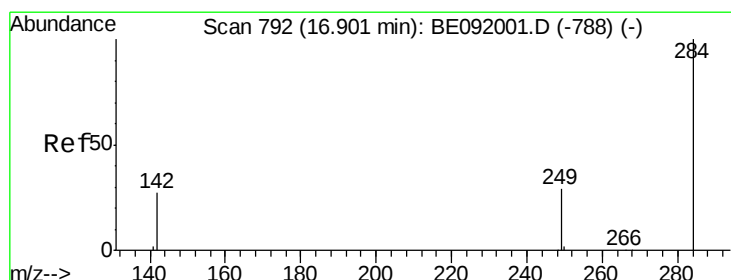
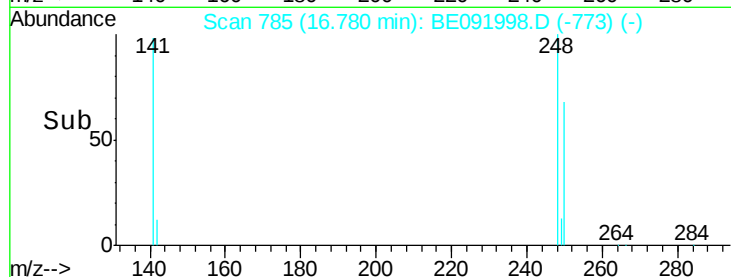
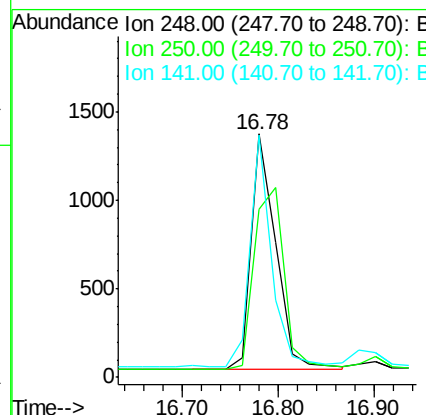
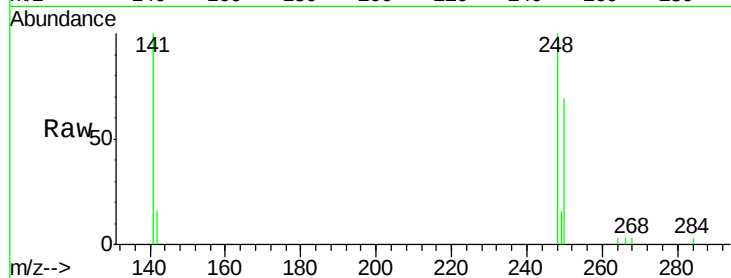




#25
4-Bromophenyl-phenylether
Concen: 0.38 ng
RT: 16.78 min Scan# 785
Delta R.T. -0.00 min
Lab File: BE091998.D
Acq: 22 Jul 2016 8:52

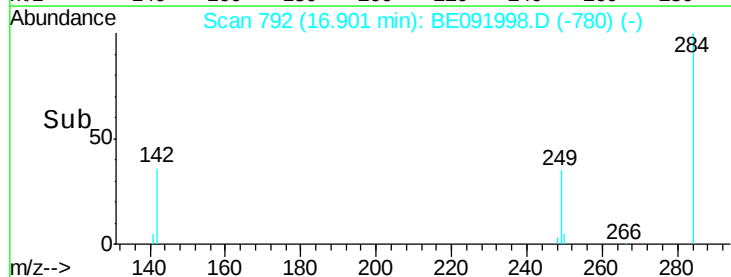
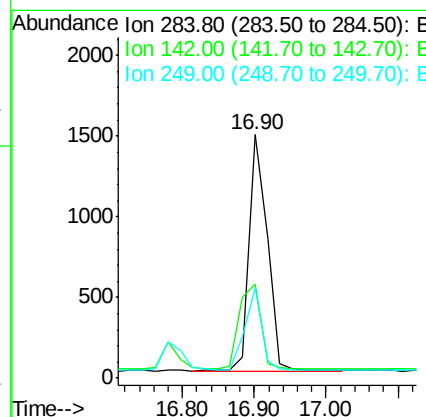
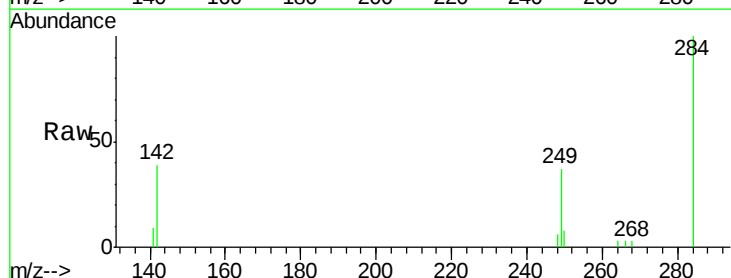
Instrument :
BNA_E
ClientSampleId :

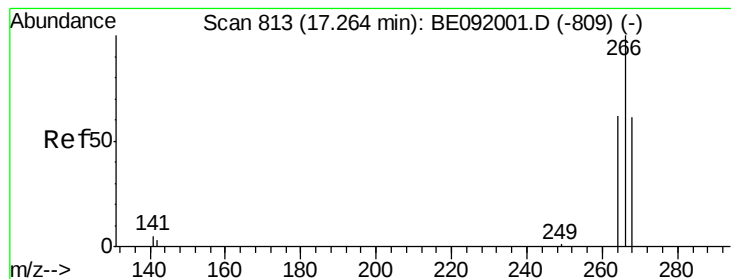
Tgt Ion:248 Resp: 2357
Ion Ratio Lower Upper
248 100
250 94.6 75.7 113.5
141 86.0 64.6 97.0



#26
Hexachlorobenzene
Concen: 0.40 ng
RT: 16.90 min Scan# 792
Delta R.T. -0.00 min
Lab File: BE091998.D
Acq: 22 Jul 2016 8:52

Tgt Ion:284 Resp: 2520
Ion Ratio Lower Upper
284 100
142 42.3 31.4 47.2
249 32.6 25.3 37.9





#27

Pentachlorophenol

Concen: 0.44 ng

RT: 17.26 min Scan# 813

Delta R.T. 0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Instrument :

BNA_E

ClientSampleId :

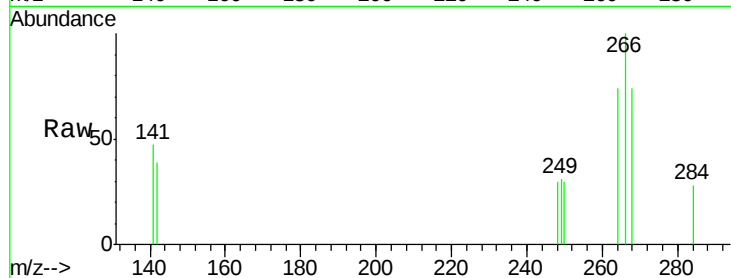
Tgt Ion:266 Resp: 384

Ion Ratio Lower Upper

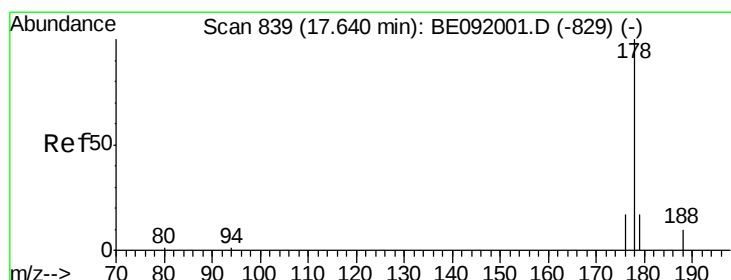
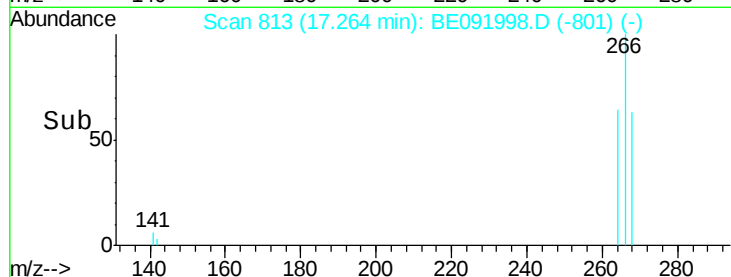
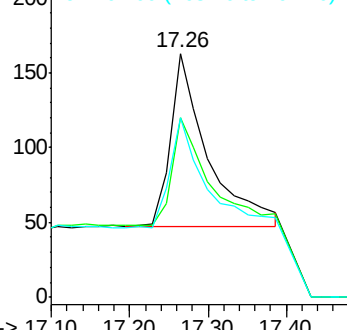
266 100

268 73.6 60.5 90.7

264 73.6 51.0 76.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



#28

Phenanthrene

Concen: 0.40 ng

RT: 17.64 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

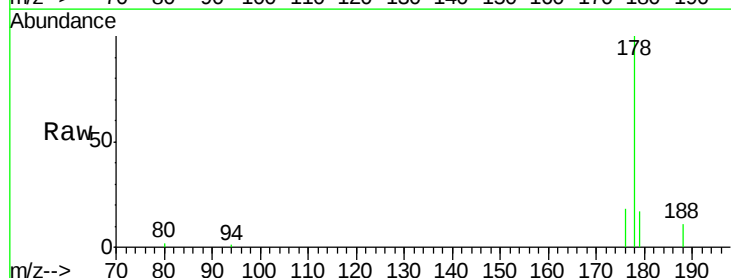
Tgt Ion:178 Resp: 15382

Ion Ratio Lower Upper

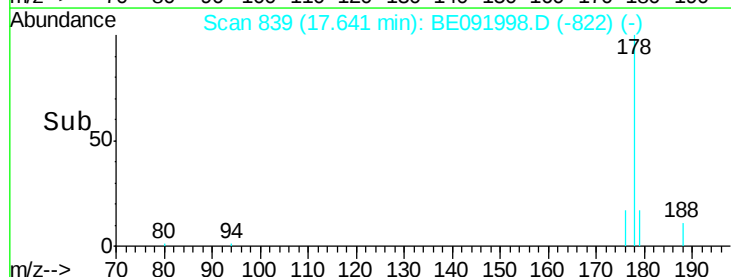
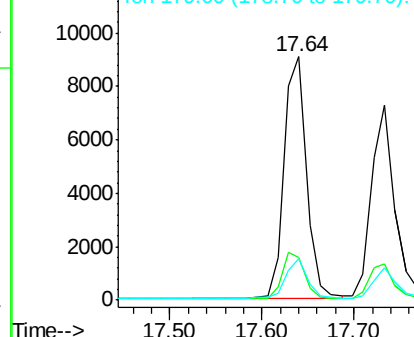
178 100

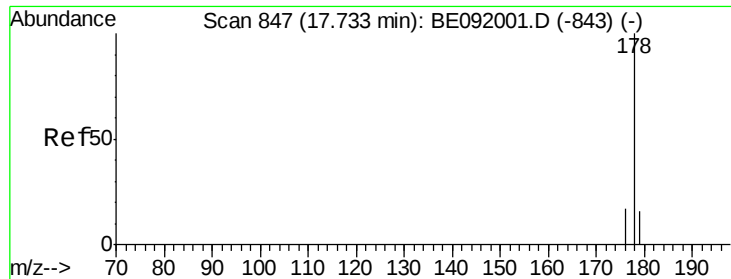
176 19.2 15.4 23.2

179 16.2 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.38 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Instrument :

BNA_E

ClientSampleId :

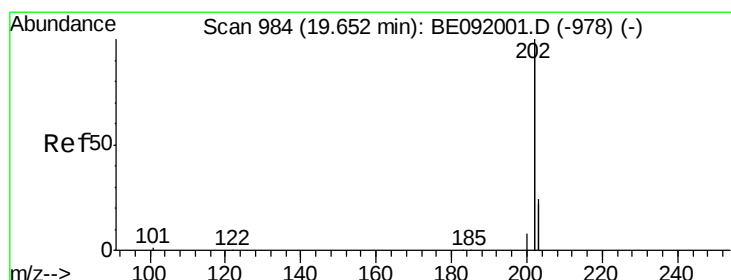
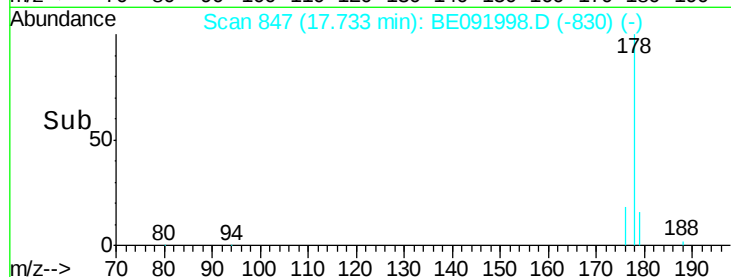
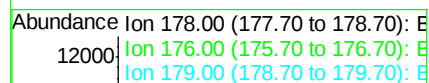
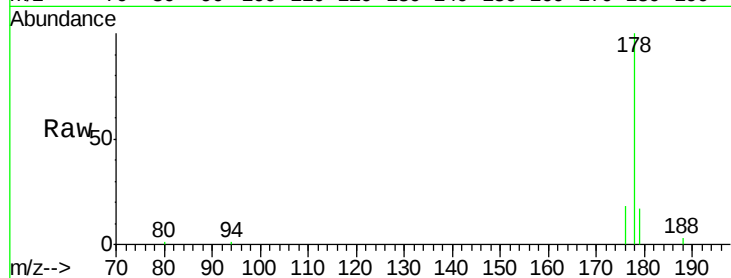
Tgt Ion:178 Resp: 13080

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.3 12.1 18.1



#30

Fluoranthene

Concen: 0.40 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

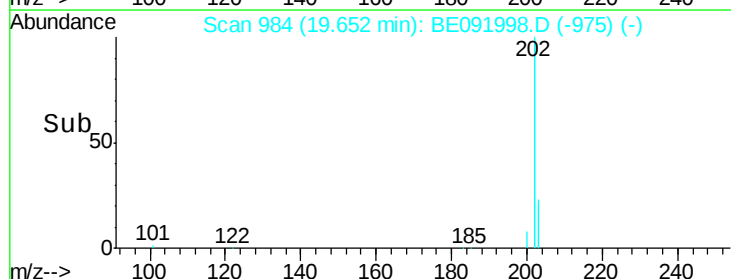
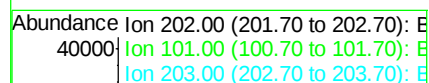
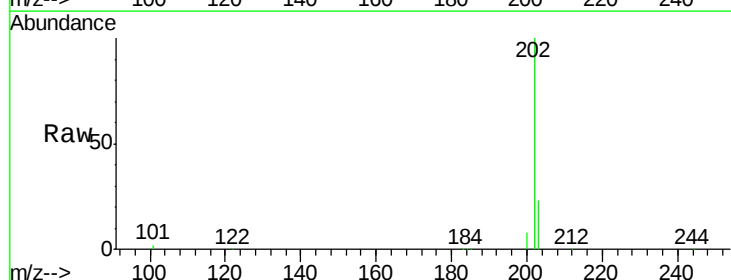
Tgt Ion:202 Resp: 61207

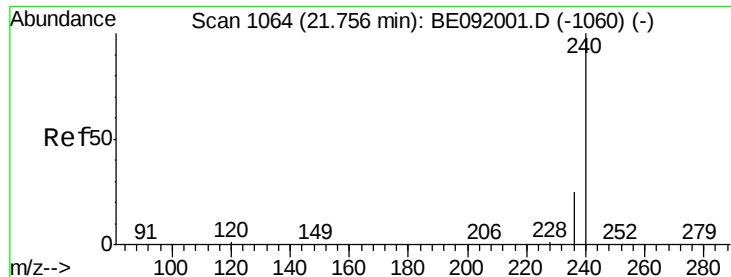
Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

203 19.0 14.3 21.5





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

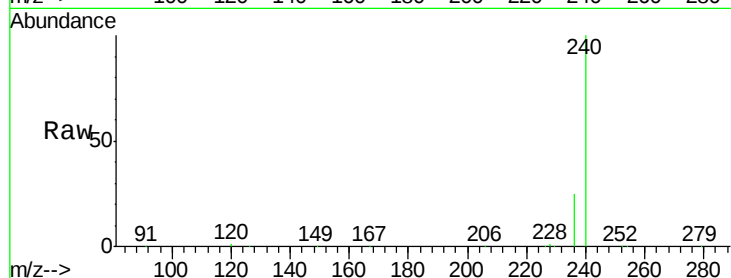
Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Instrument :

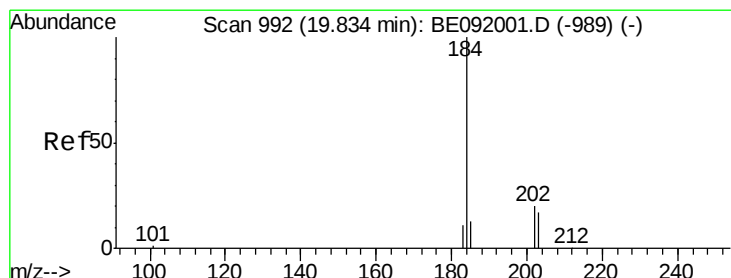
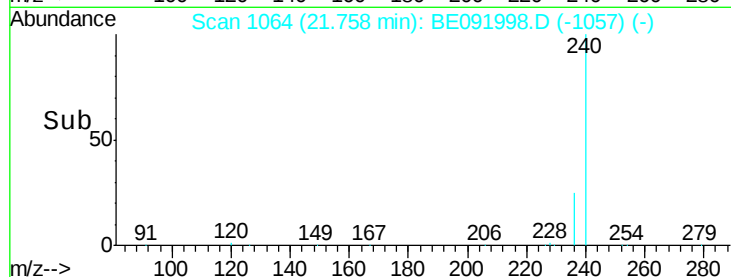
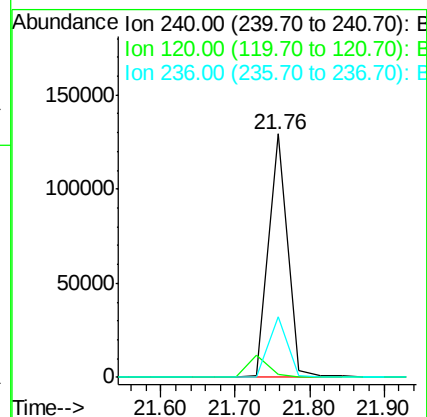
BNA_E

ClientSampleId :



Tgt Ion: 240 Resp: 233070

Ion	Ratio	Lower	Upper
240	100		
120	1.1	1.2	1.8#
236	24.8	19.8	29.8



#32

Benzidine

Concen: 0.38 ng

RT: 19.86 min Scan# 993

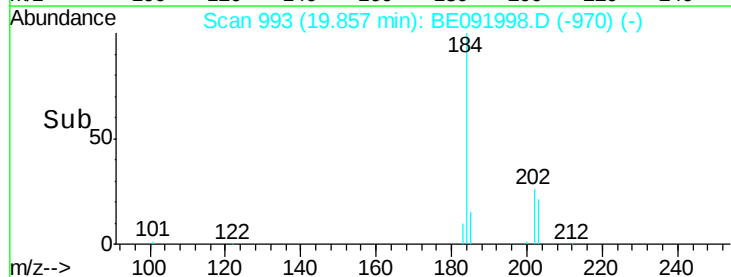
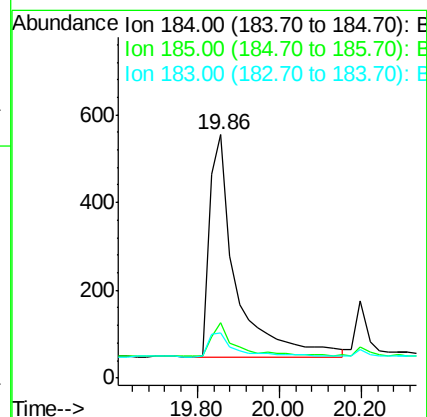
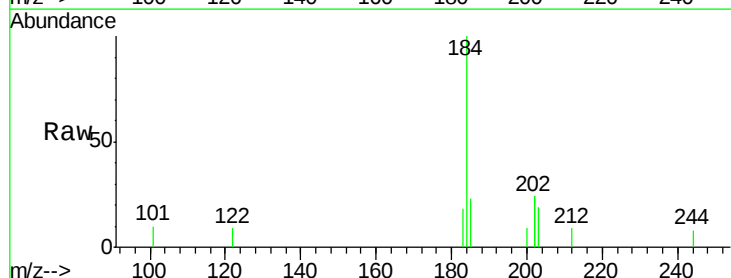
Delta R.T. 0.02 min

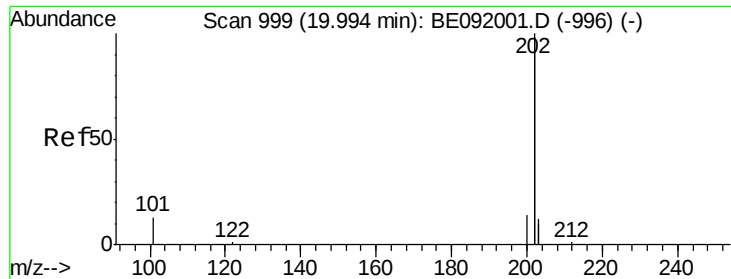
Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Tgt Ion: 184 Resp: 2298

Ion	Ratio	Lower	Upper
184	100		
185	22.7	11.4	17.2#
183	18.4	11.8	17.6#

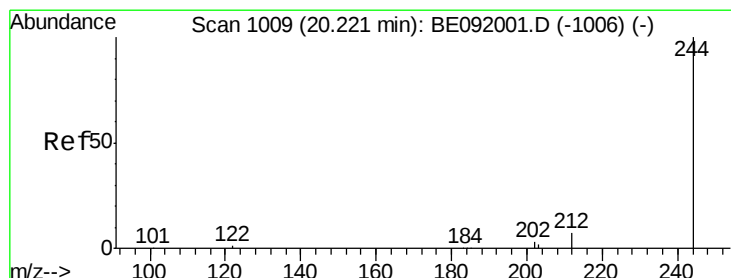
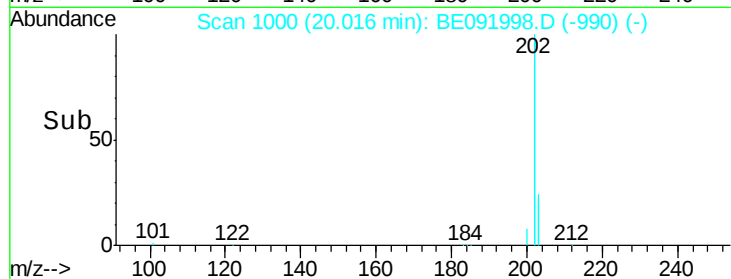
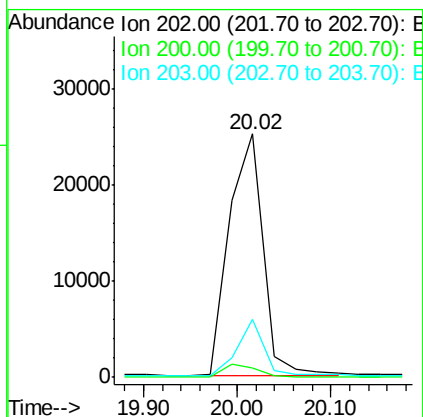
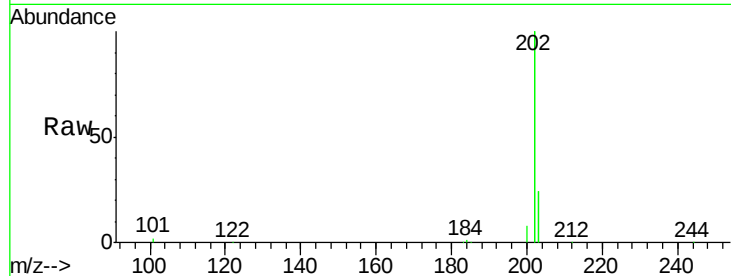




#33
 Pyrene
 Concen: 0.37 ng
 RT: 20.02 min Scan# 1000
 Delta R.T. 0.02 min
 Lab File: BE091998.D
 Acq: 22 Jul 2016 8:52

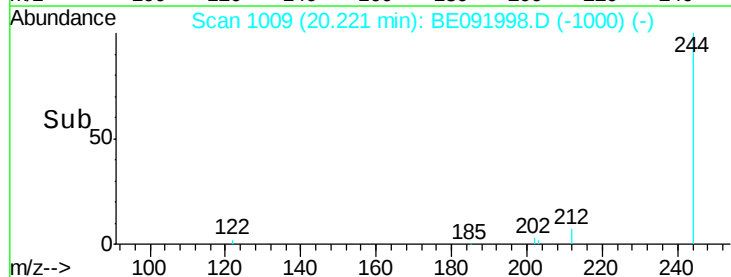
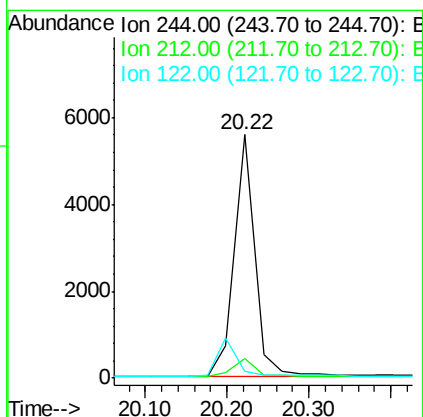
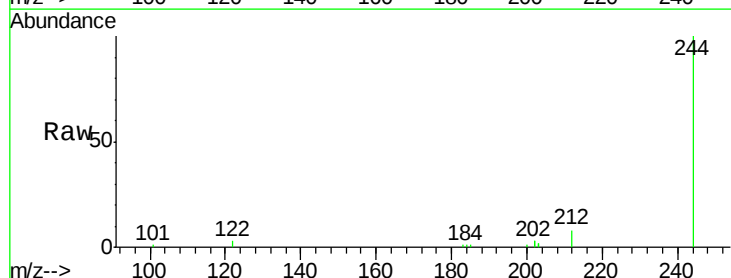
Instrument :
 BNA_E
 ClientSampleId :

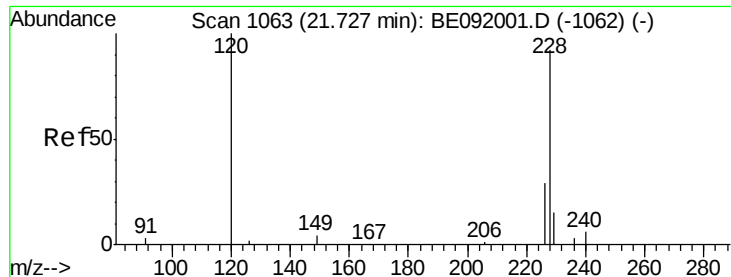
Tgt Ion: 202 Resp: 63288
 Ion Ratio Lower Upper
 202 100
 200 0.0 16.9 25.3#
 203 17.9 14.1 21.1



#34
 Terphenyl-d14
 Concen: 0.41 ng
 RT: 20.22 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BE091998.D
 Acq: 22 Jul 2016 8:52

Tgt Ion: 244 Resp: 9542
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 2.6 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 0.88 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Instrument :

BNA_E

ClientSampleId :

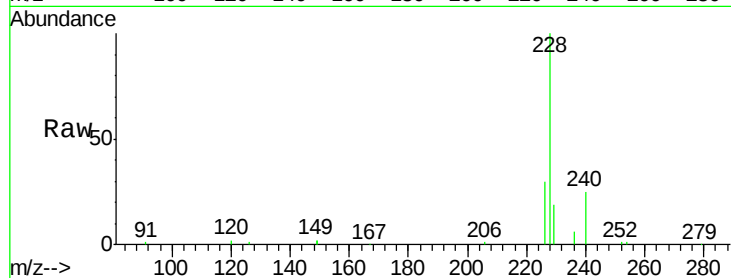
Tgt Ion: 228 Resp: 46148

Ion Ratio Lower Upper

228 100

226 30.4 21.0 31.4

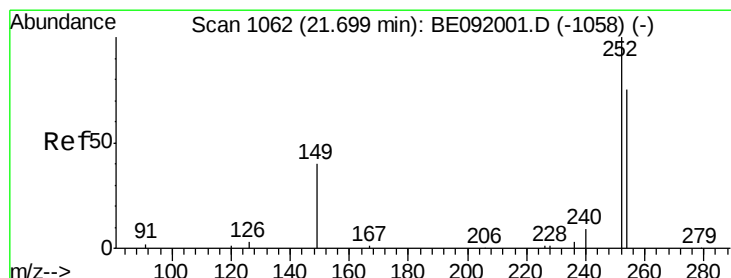
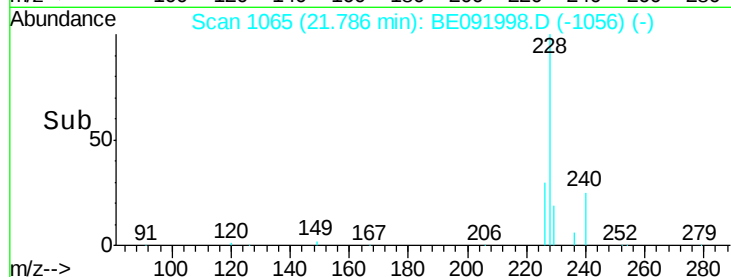
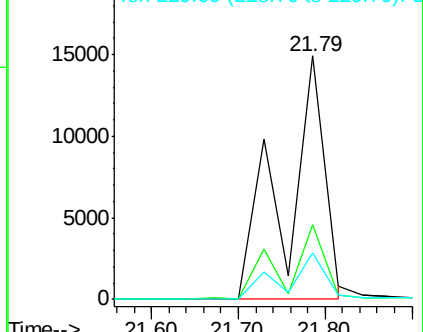
229 19.1 15.8 23.8



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: 0.36 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

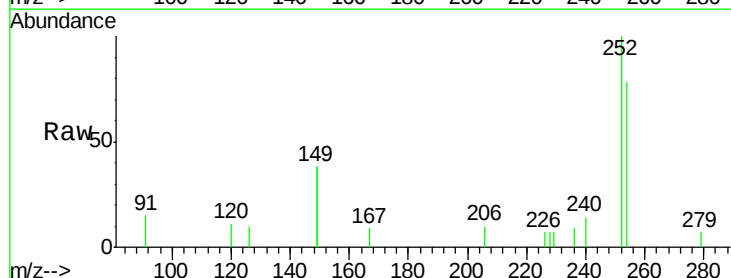
Tgt Ion: 252 Resp: 2268

Ion Ratio Lower Upper

252 100

254 77.7 61.5 92.3

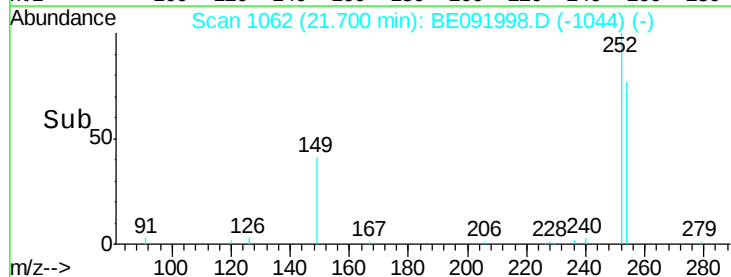
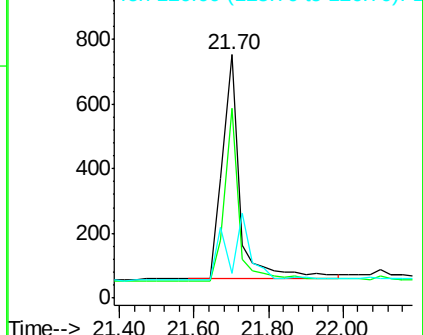
126 10.0 2.5 3.7#

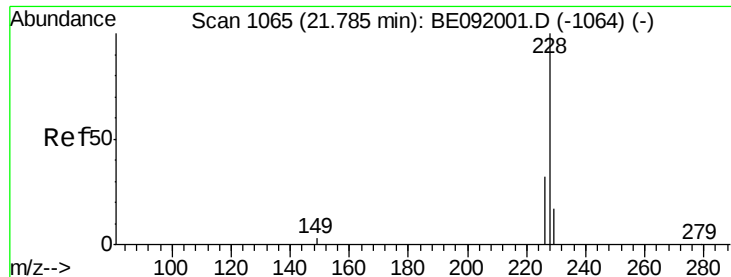


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.73 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Instrument :

BNA_E

ClientSampleId :

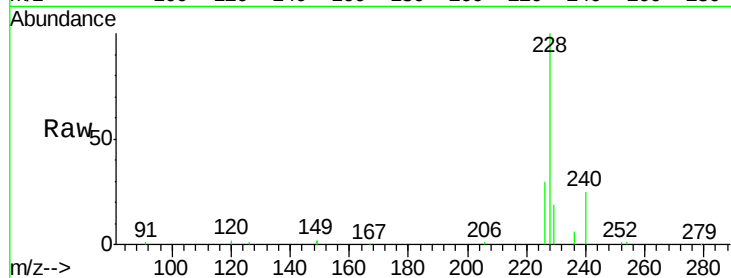
Tgt Ion:228 Resp: 46705

Ion Ratio Lower Upper

228 100

226 30.4 27.0 40.6

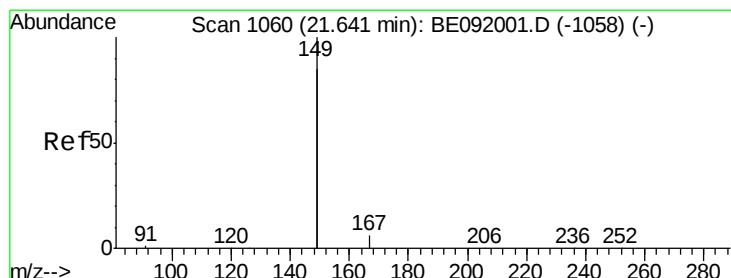
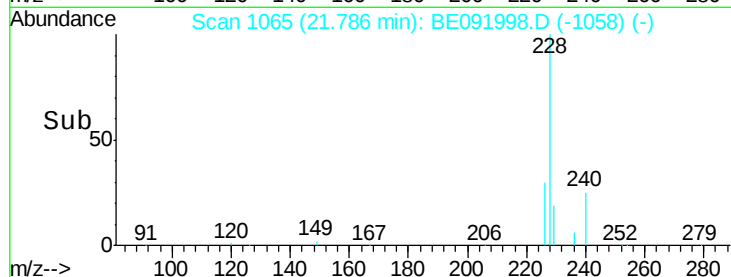
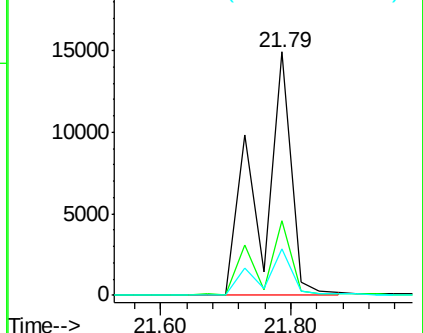
229 19.1 13.8 20.8



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: 0.35 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

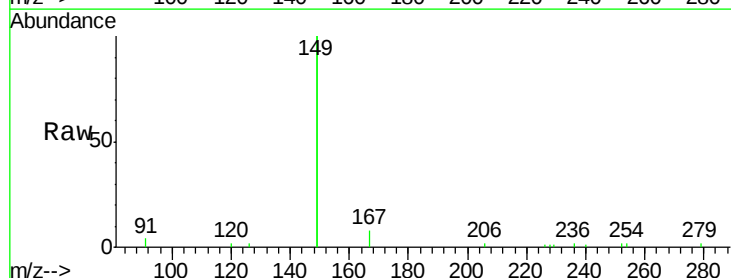
Tgt Ion:149 Resp: 12975

Ion Ratio Lower Upper

149 100

167 4.7 0.0 0.0#

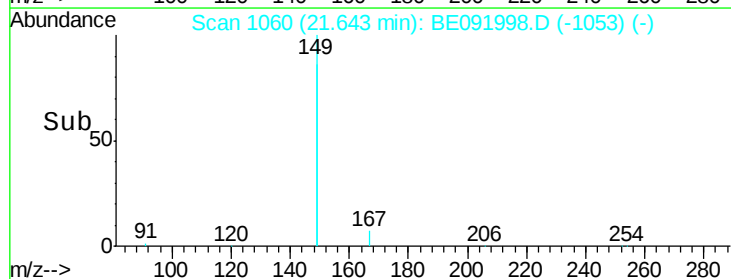
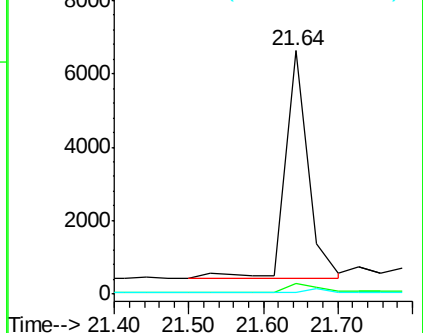
279 0.0 0.0 0.0

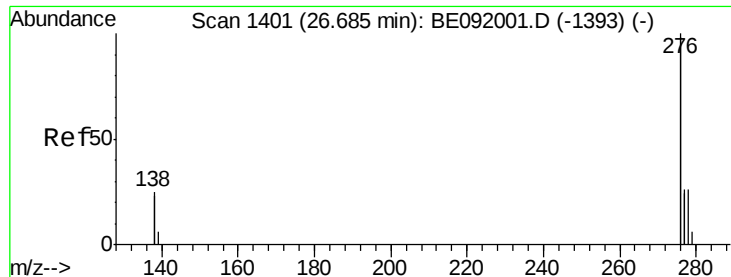


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.39 ng

RT: 26.68 min Scan# 1400

Delta R.T. -0.00 min

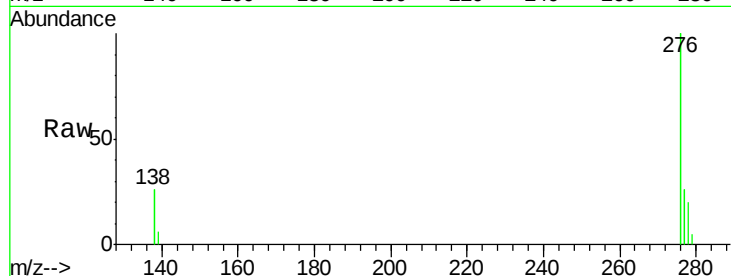
Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Instrument :

BNA_E

ClientSampleId :



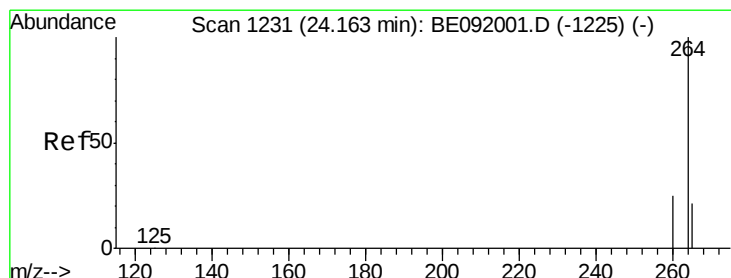
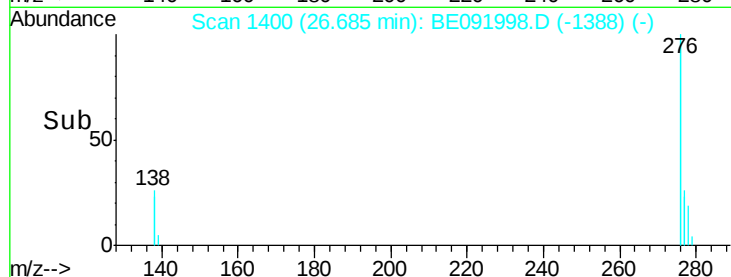
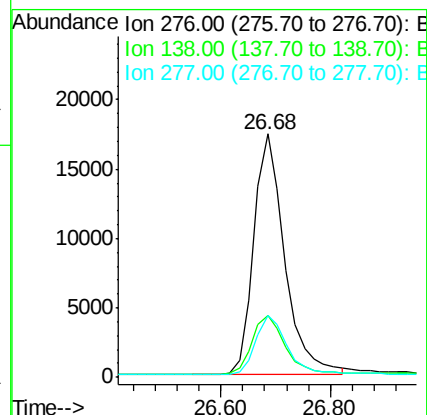
Tgt Ion: 276 Resp: 68311

Ion Ratio Lower Upper

276 100

138 26.4 19.7 29.5

277 24.8 20.1 30.1



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.16 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

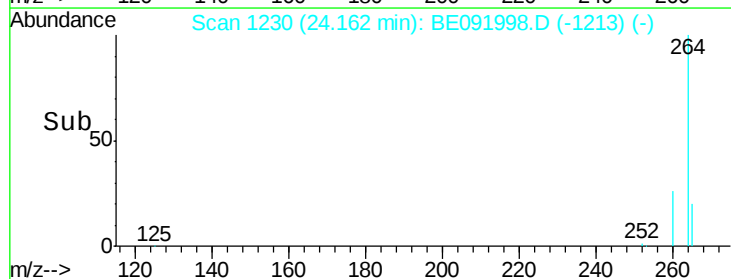
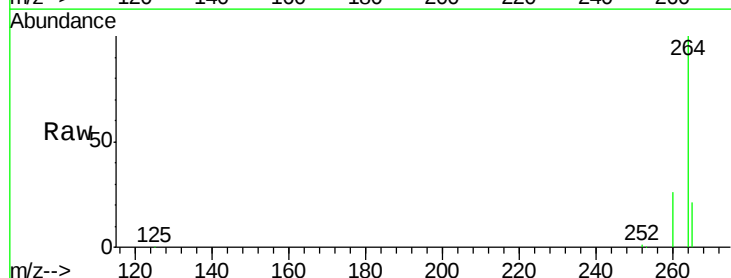
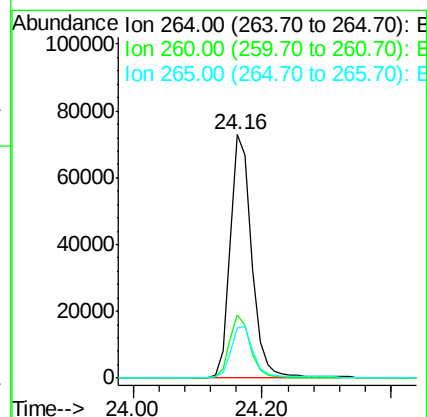
Tgt Ion: 264 Resp: 167322

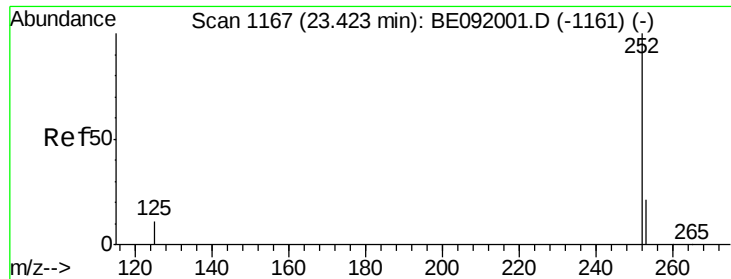
Ion Ratio Lower Upper

264 100

260 26.2 20.3 30.5

265 20.7 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 0.41 ng

RT: 23.43 min Scan# 1167

Delta R.T. 0.01 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Instrument :

BNA_E

ClientSampleId :

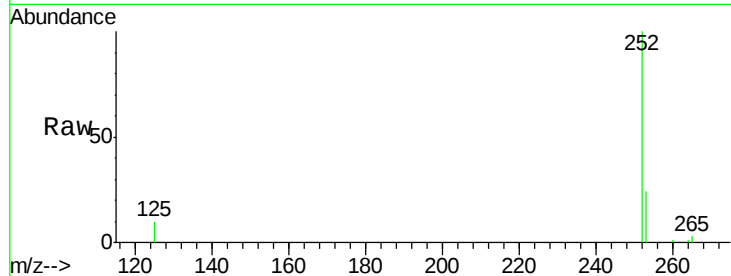
Tgt Ion:252 Resp: 18062

Ion Ratio Lower Upper

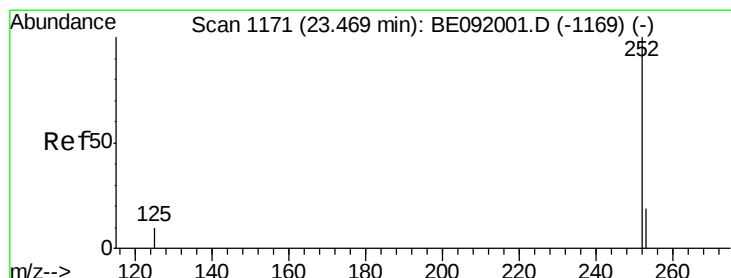
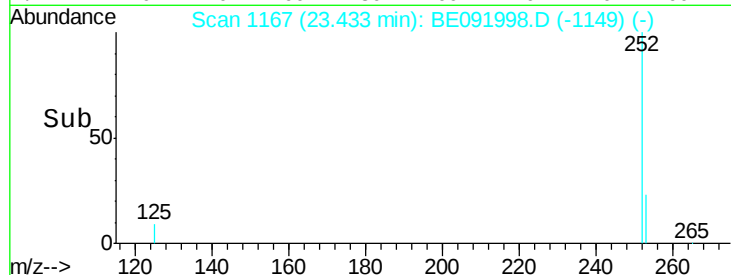
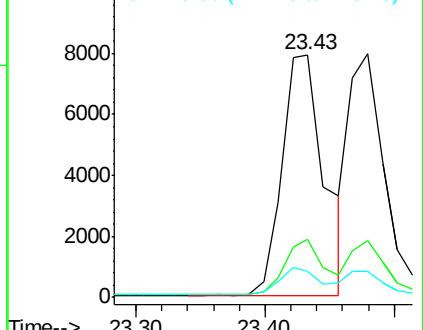
252 100

253 23.9 17.8 26.6

125 10.5 9.4 14.2



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



#42

Benzo(k)fluoranthene

Concen: 0.35 ng

RT: 23.48 min Scan# 1171

Delta R.T. 0.01 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

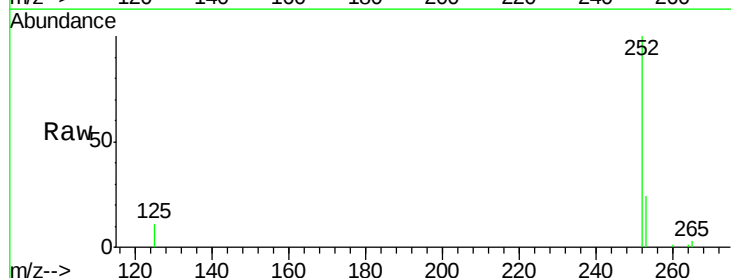
Tgt Ion:252 Resp: 15450

Ion Ratio Lower Upper

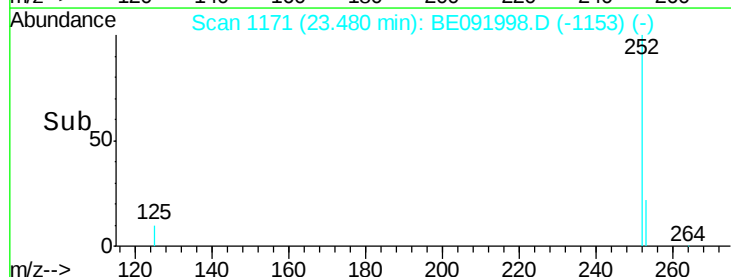
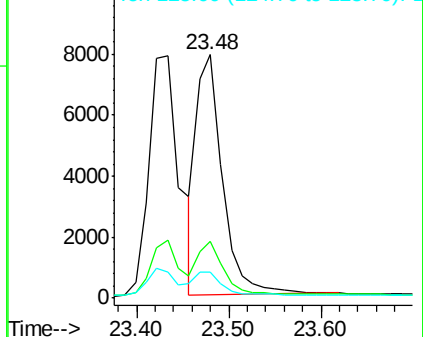
252 100

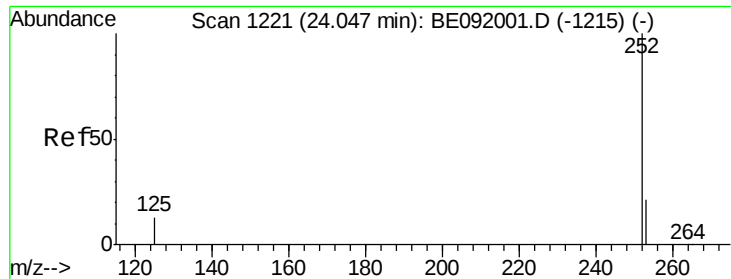
253 23.5 19.4 29.2

125 10.8 8.3 12.5



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





#43

Benzo(a)pyrene

Concen: 0.36 ng

RT: 24.06 min Scan# 1221

Delta R.T. 0.01 min

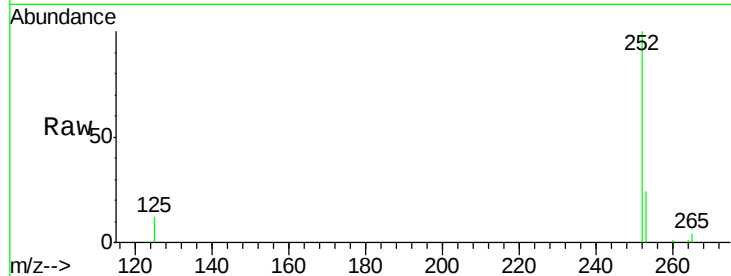
Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Instrument :

BNA_E

ClientSampleId :



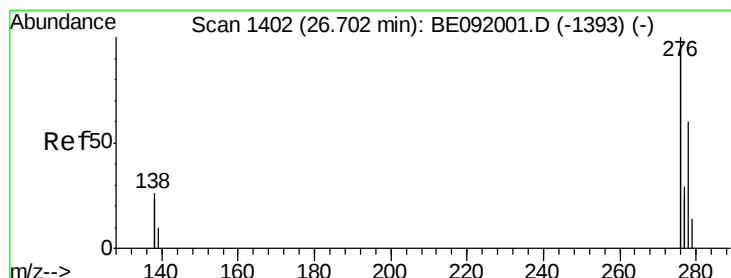
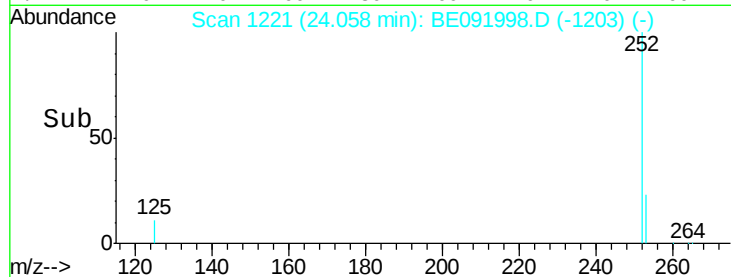
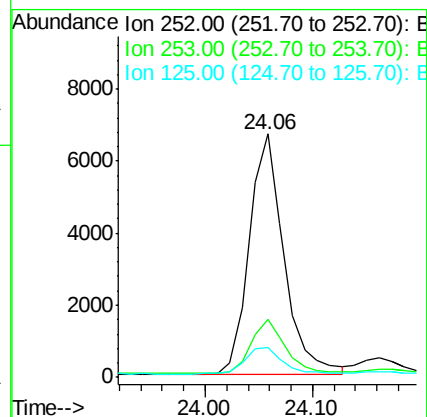
Tgt Ion: 252 Resp: 14894

Ion Ratio Lower Upper

252 100

253 23.9 18.9 28.3

125 12.5 10.5 15.7



#44

Dibenzo(a,h)anthracene

Concen: 0.37 ng

RT: 26.72 min Scan# 1402

Delta R.T. 0.02 min

Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

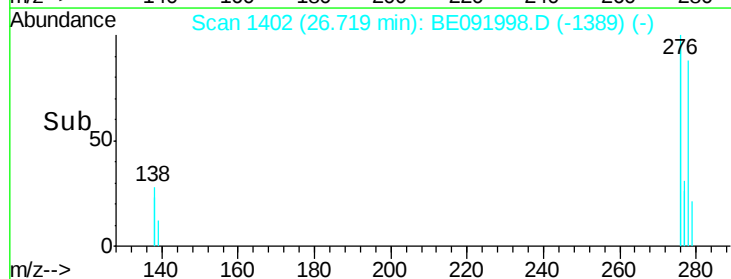
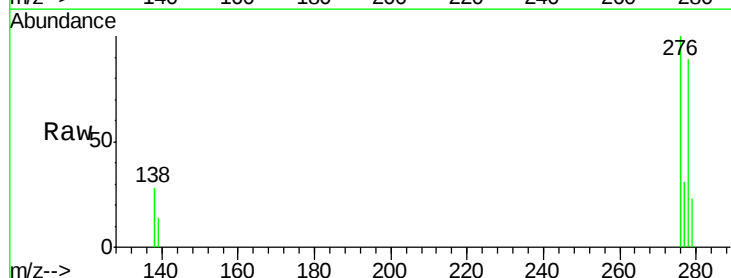
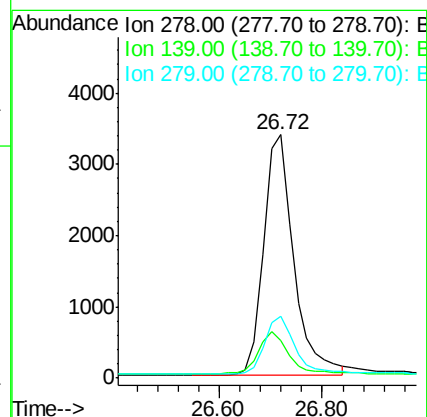
Tgt Ion: 278 Resp: 13499

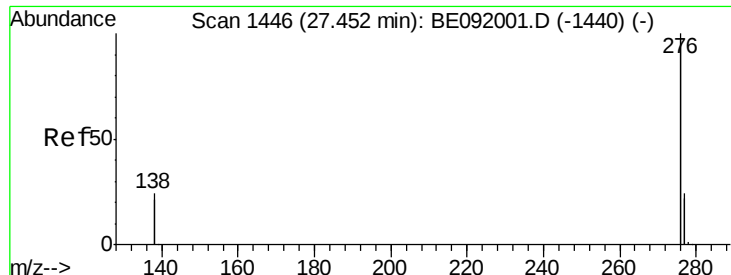
Ion Ratio Lower Upper

278 100

139 15.6 12.6 18.8

279 25.6 20.0 30.0





#45

Benzo(g,h,i)perylene

Concen: 0.38 ng

RT: 27.47 min Scan# 1446

Delta R.T. 0.02 min

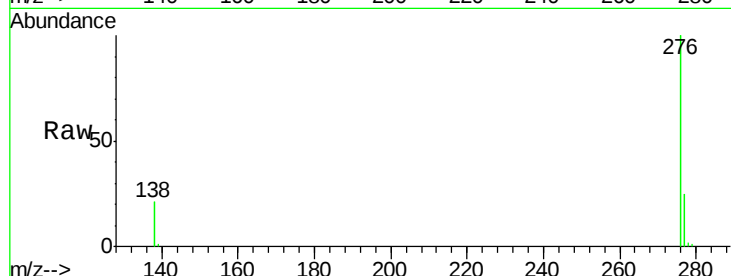
Lab File: BE091998.D

Acq: 22 Jul 2016 8:52

Instrument :

BNA_E

ClientSampleId :



Tgt Ion: 276 Resp: 57111

Ion Ratio Lower Upper

276 100

277 25.2 19.5 29.3

138 21.3 17.7 26.5

