

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070916\
 Data File : BE091994.D
 Acq On : 9 Jul 2016 12:09
 Operator : UM/SJ
 Sample : PB91976BSD
 Misc : 4X internal std added
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91976BSD

Quant Time: Jul 11 08:58:13 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 16:14:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	20167	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	90561	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	56530	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	111819	5.00	ng	0.00
31) Chrysene-d12	21.76	240	195136	5.00	ng	0.00
40) Perylene-d12	24.17	264	134291	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	38812	8.04	ng	0.00
5) Phenol-d6	7.35	99	52404	7.82	ng	-0.02
9) Nitrobenzene-d5	9.37	82	28020	4.54	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	12902	6.40	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	63254	4.59	ng	0.00
34) Terphenyl-d14	20.22	244	86220	3.75	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	9058	3.31	ng	# 80
3) n-Nitrosodimethylamine	3.80	42	15016	4.25	ng	# 81
6) bis(2-Chloroethyl)ether	7.61	93	23851	4.08	ng	98
7) n-Nitroso-di-n-propylamine	9.00	70	19725	3.53	ng	# 100
10) Nitrobenzene	9.40	77	28407	4.24	ng	# 100
11) bis(2-Chloroethoxy)methane	10.40	93	30580	4.04	ng	# 12
12) Naphthalene	11.04	128	79477	3.77	ng	97
13) Hexachlorobutadiene	11.34	225	11534	3.60	ng	98
14) 2-Methylnaphthalene	12.66	142	52974	3.91	ng	96
18) Acenaphthylene	14.56	152	329585	4.64	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	62850	3.87	ng	# 10
20) Acenaphthene	14.92	154	56985	3.69	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	68804	3.82	ng	# 58
22) Fluorene	15.90	166	67246	4.12	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	31486	3.87	ng	100
25) 4-Bromophenyl-phenylether	16.78	248	18848	3.88	ng	97
26) Hexachlorobenzene	16.90	284	18852	3.91	ng	98
27) Pentachlorophenol	17.25	266	17027	6.64	ng	91
28) Phenanthrene	17.63	178	114434	3.93	ng	99
29) Anthracene	17.72	178	109299	4.01	ng	100
30) Fluoranthene	19.65	202	451084	3.60	ng	# 86
32) Benzidine	19.83	184	5263	0.55	ng	95
33) Pyrene	19.99	202	502199	3.53	ng	# 64
35) Benzo(a)anthracene	21.78	228	323211	9.89	ng	# 91
36) 3,3'-Dichlorobenzidine	21.67	252	14381	1.66	ng	# 61
37) Chrysene	21.78	228	325862	7.04	ng	98
38) Bis(2-ethylhexyl)phthalate	21.64	149	118861	3.14	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	666782	3.67	ng	98
41) Benzo(b)fluoranthene	23.42	252	142926	3.85	ng	98
42) Benzo(k)fluoranthene	23.48	252	153373	4.28	ng	97
43) Benzo(a)pyrene	24.06	252	139017	3.97	ng	96
44) Dibenzo(a,h)anthracene	26.70	278	138770	4.21	ng	96
45) Benzo(g,h,i)perylene	27.47	276	565665	4.21	ng	98

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 05 16:14:58 2016
Response via : Initial Calibration

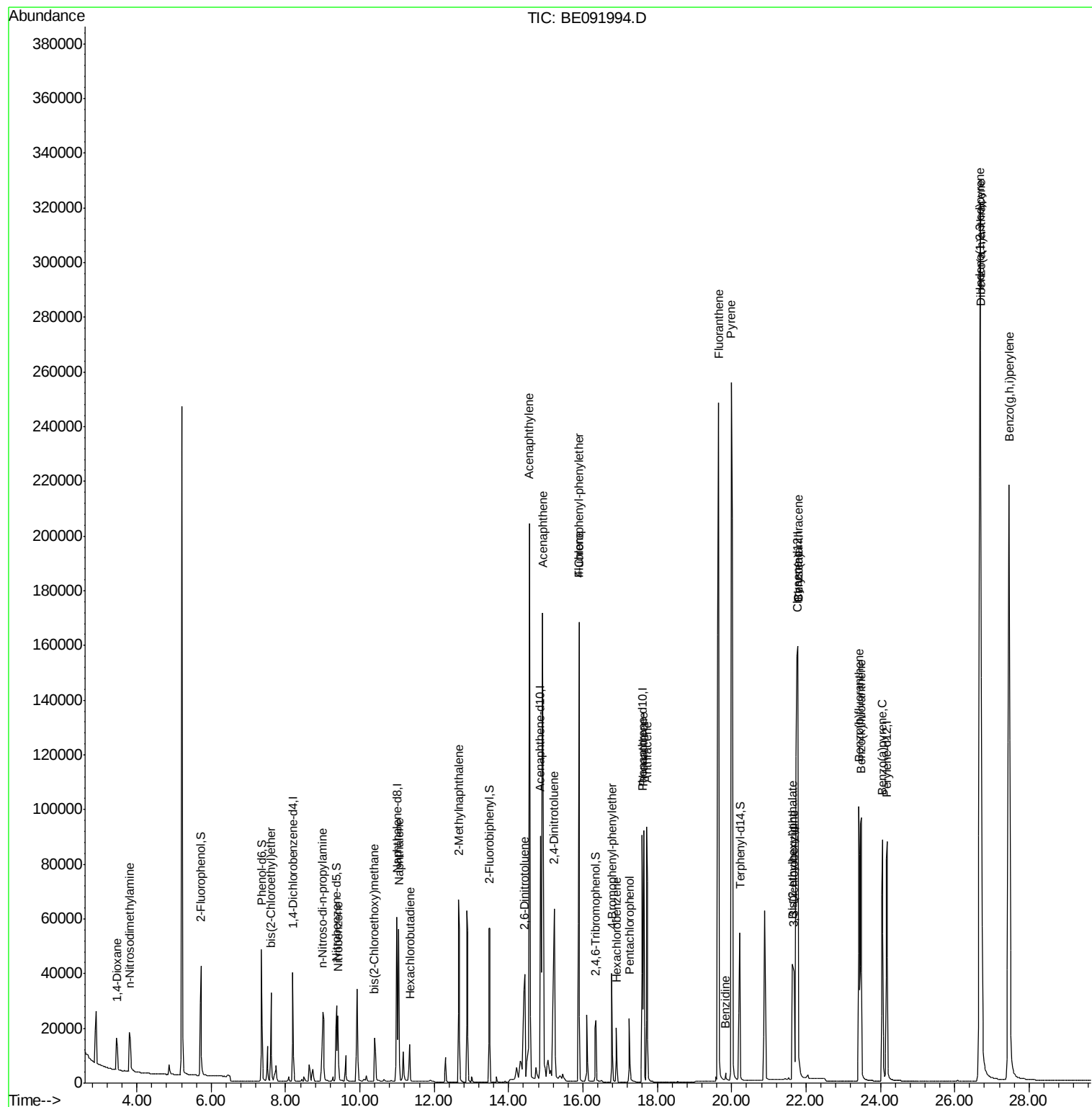
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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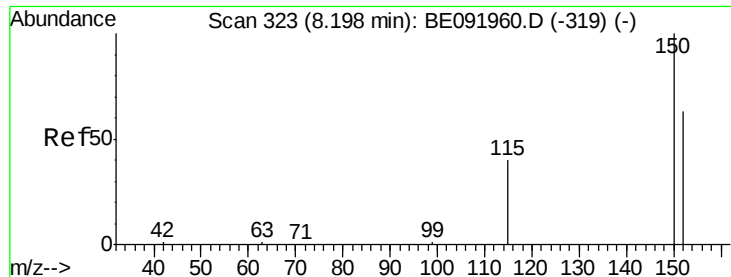
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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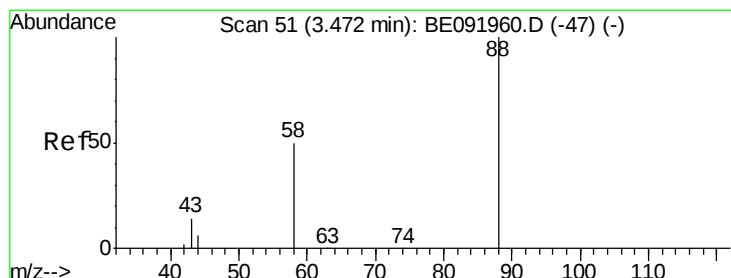
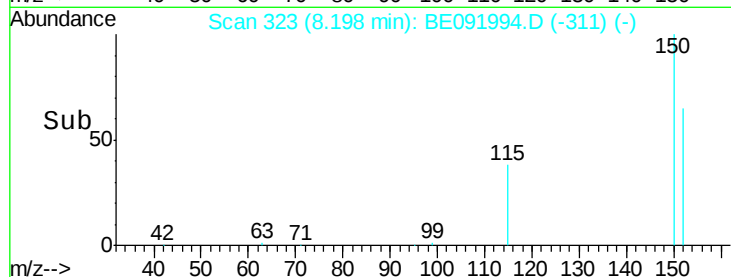
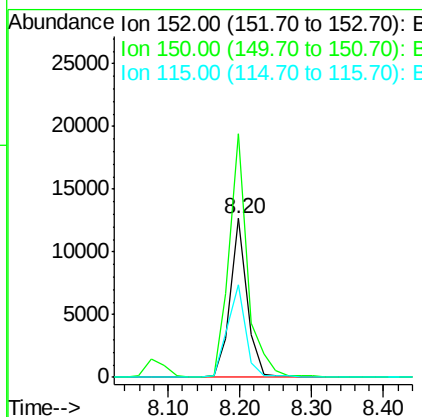
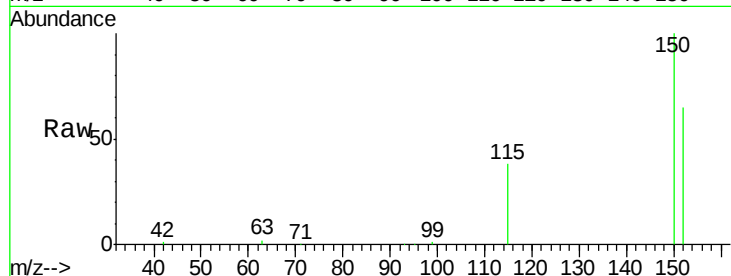




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.20 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: BE091994.D
 Acq: 9 Jul 2016 12:09

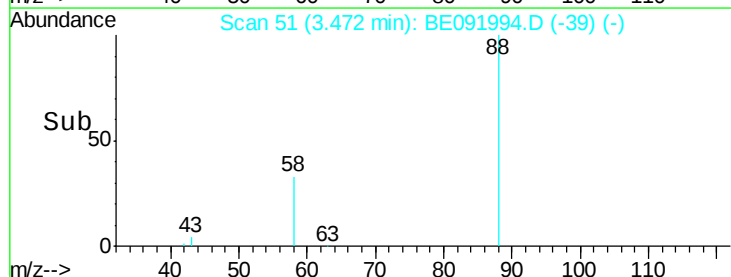
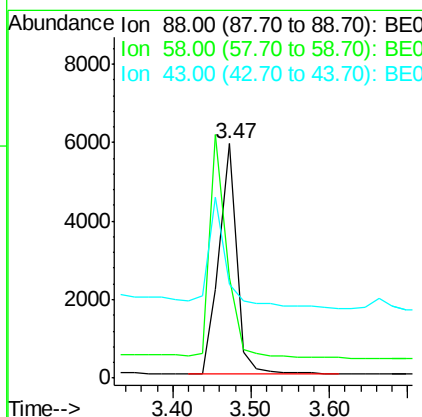
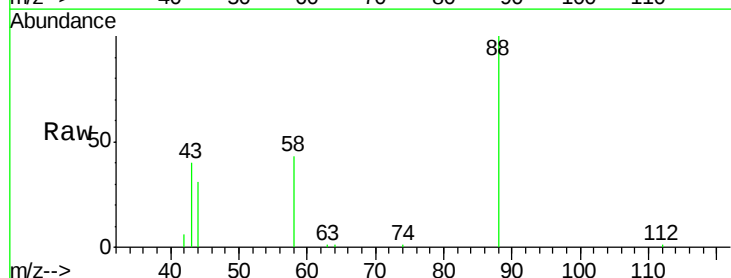
Instrument :
 BNA_E
 ClientSampleId :
 PB91976BSD

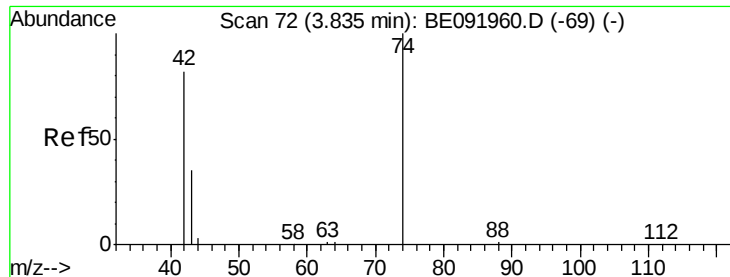
Tgt Ion:152 Resp: 20167
 Ion Ratio Lower Upper
 152 100
 150 153.3 123.9 185.9
 115 58.5 48.3 72.5



#2
 1,4-Dioxane
 Concen: 3.31 ng
 RT: 3.47 min Scan# 51
 Delta R.T. 0.00 min
 Lab File: BE091994.D
 Acq: 9 Jul 2016 12:09

Tgt Ion: 88 Resp: 9058
 Ion Ratio Lower Upper
 88 100
 58 94.7 63.0 94.4#
 43 49.7 29.1 43.7#





#3

n-Nitrosodimethylamine

Concen: 4.25 ng

RT: 3.80 min Scan# 70

Delta R.T. -0.03 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

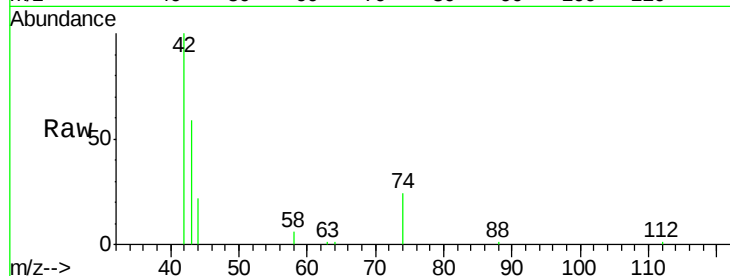
Tgt Ion: 42 Resp: 15016

Ion Ratio Lower Upper

42 100

74 95.7 93.4 140.0

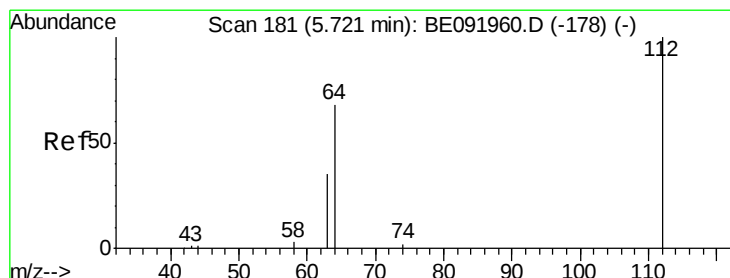
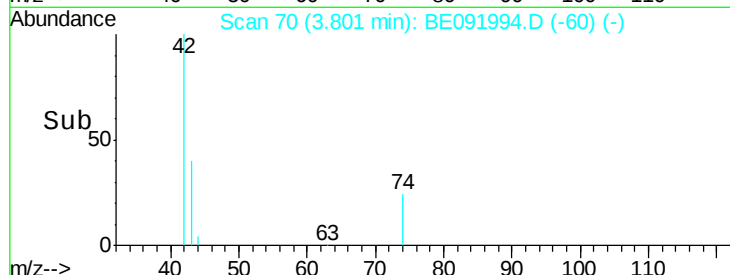
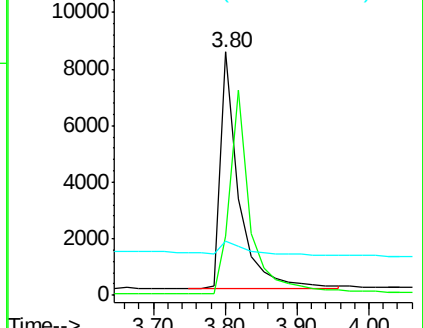
44 8.8 5.0 7.6#



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: 8.04 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

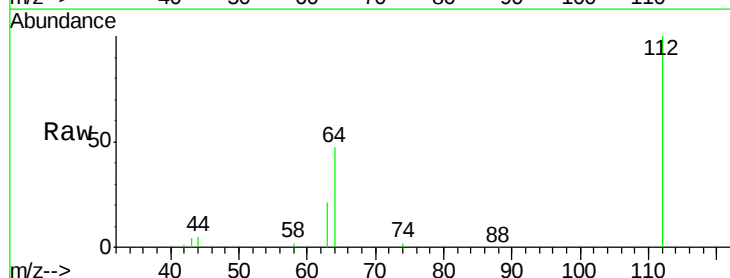
Tgt Ion: 112 Resp: 38812

Ion Ratio Lower Upper

112 100

64 66.9 53.7 80.5

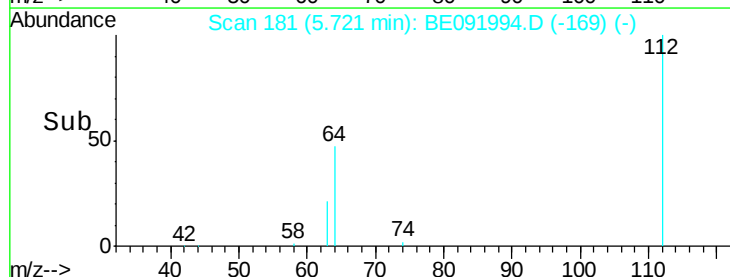
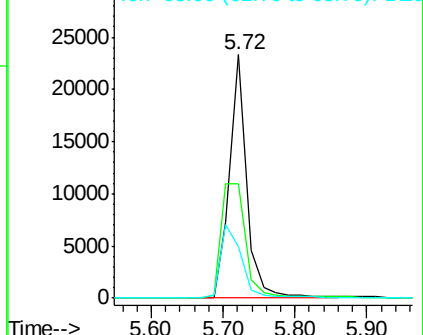
63 36.3 29.5 44.3

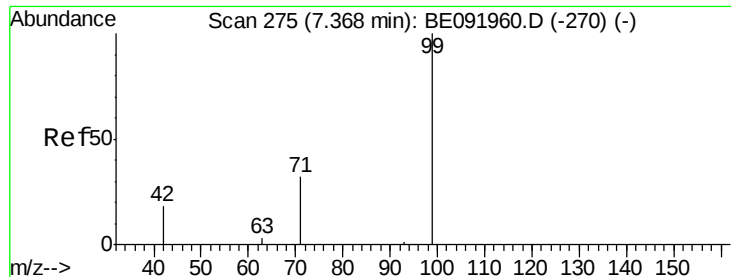


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.82 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

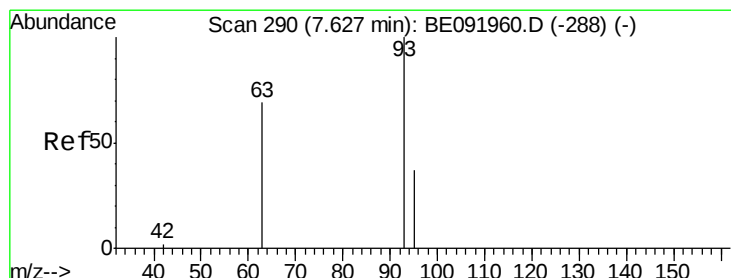
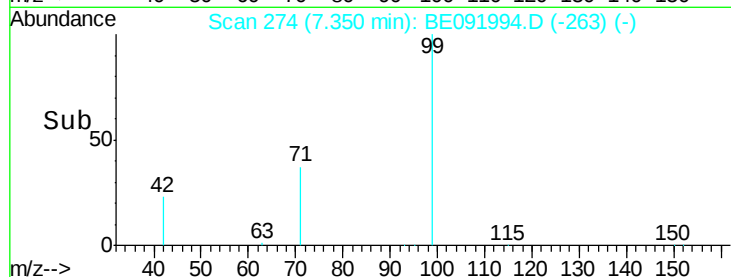
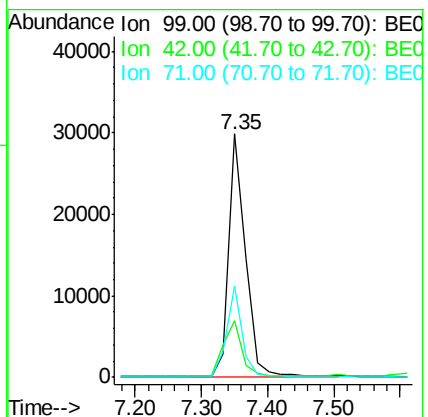
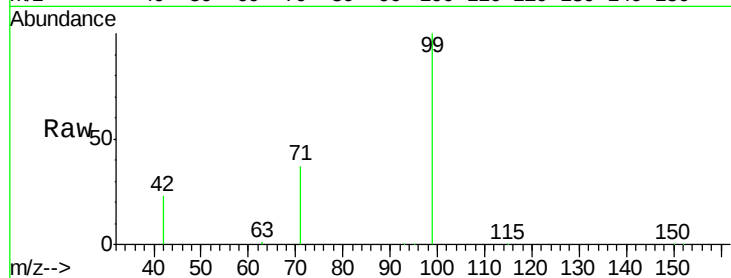
Tgt Ion: 99 Resp: 52404

Ion Ratio Lower Upper

99 100

42 25.3 19.6 29.4

71 35.2 28.1 42.1



#6

bis(2-Chloroethyl)ether

Concen: 4.08 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

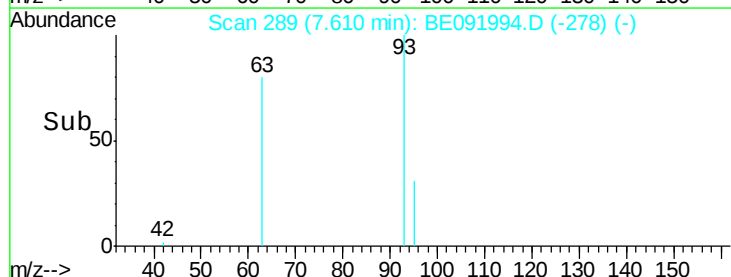
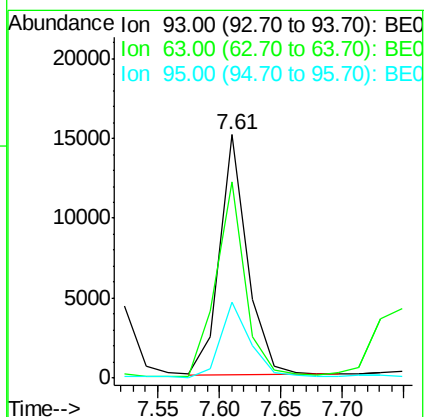
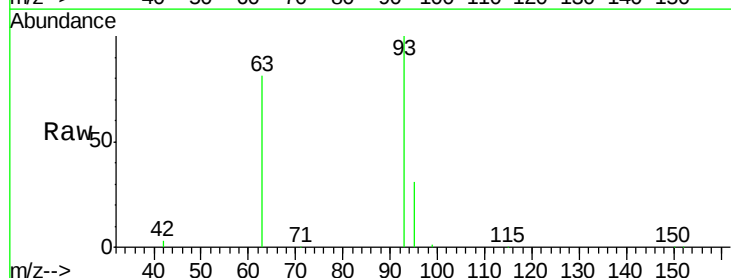
Tgt Ion: 93 Resp: 23851

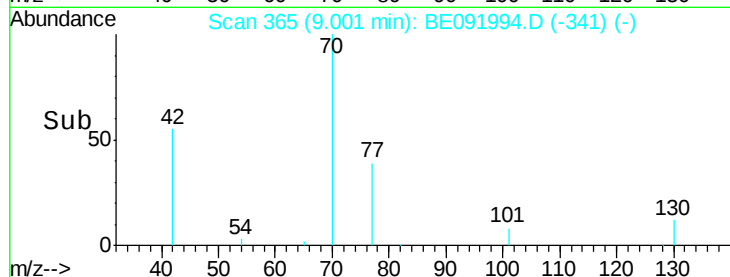
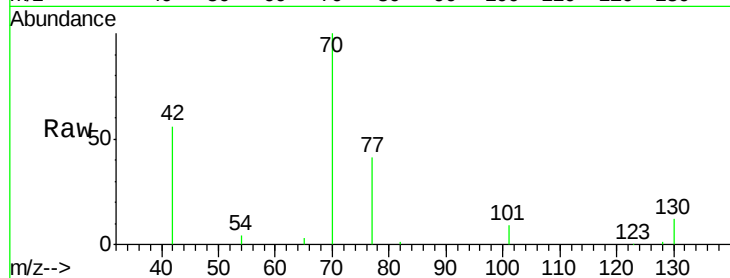
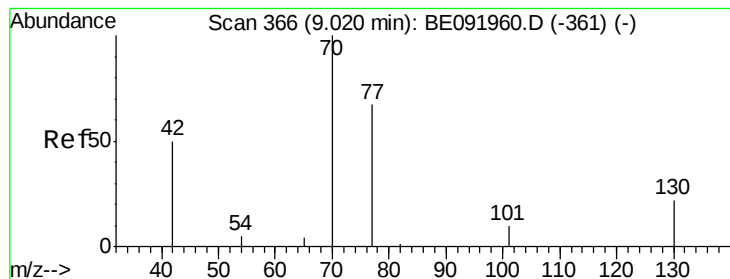
Ion Ratio Lower Upper

93 100

63 85.0 66.2 99.4

95 33.0 25.5 38.3





#7

n-Nitroso-di-n-propylamine

Concen: 3.53 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

Tgt Ion: 70 Resp: 19725

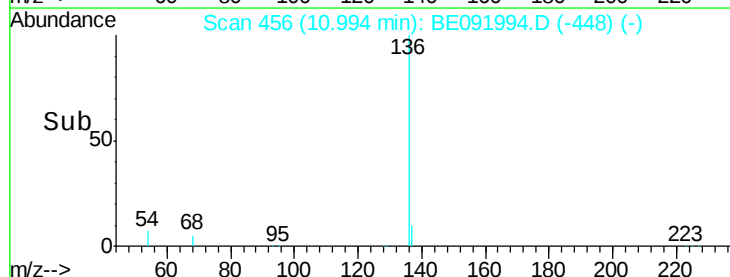
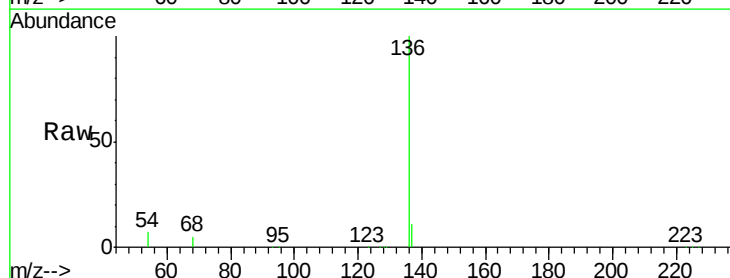
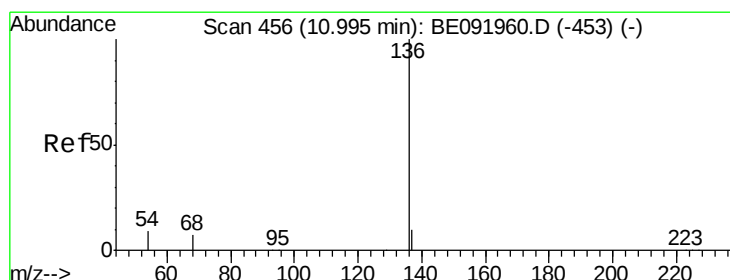
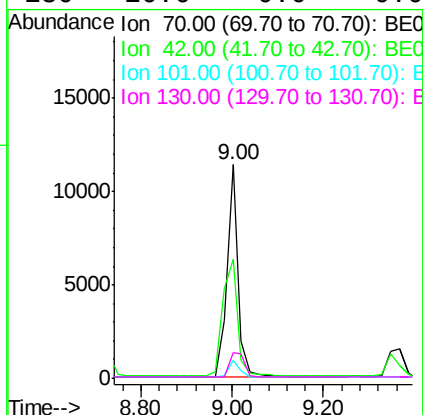
Ion Ratio Lower Upper

70 100

42 73.2 58.4 87.6

101 8.4 6.4 9.6

130 16.6 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

Tgt Ion: 136 Resp: 90561

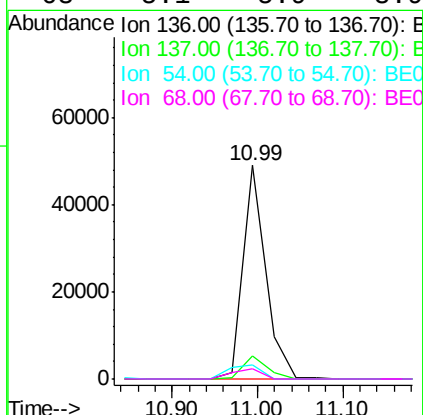
Ion Ratio Lower Upper

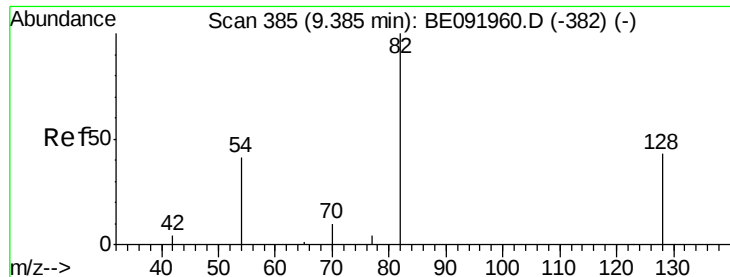
136 100

137 10.6 8.3 12.5

54 6.7 8.2 12.4#

68 5.1 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 4.54 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

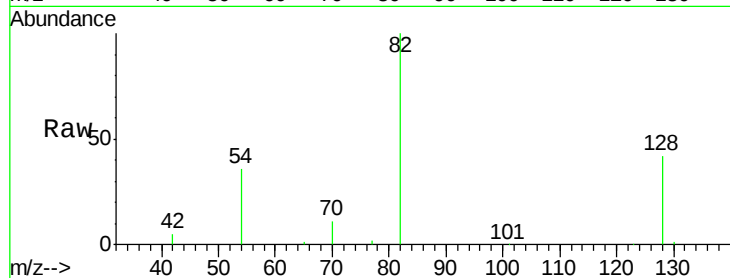
Tgt Ion: 82 Resp: 28020

Ion Ratio Lower Upper

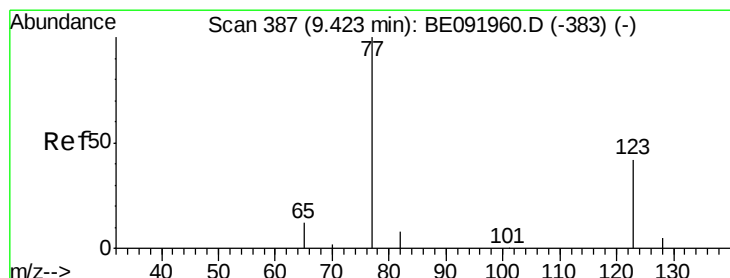
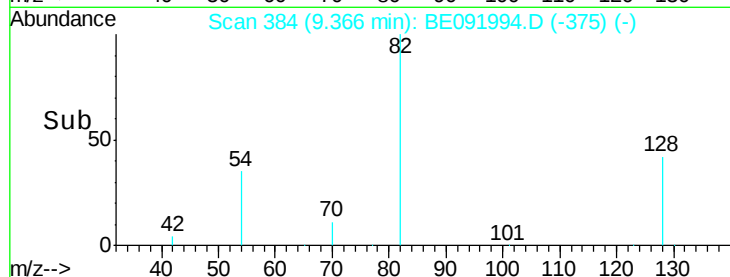
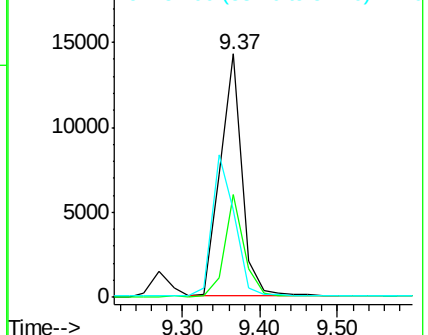
82 100

128 42.1 39.5 59.3

54 35.8 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: 4.24 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

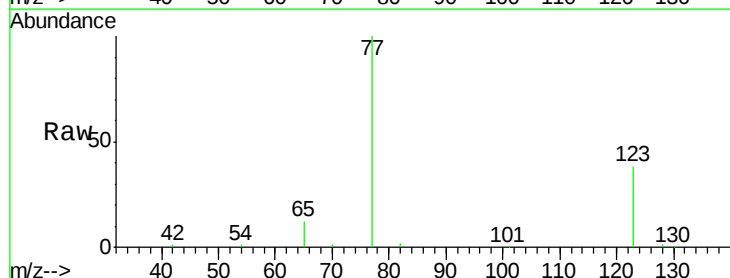
Tgt Ion: 77 Resp: 28407

Ion Ratio Lower Upper

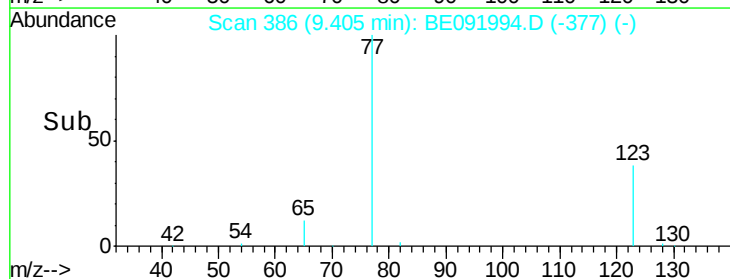
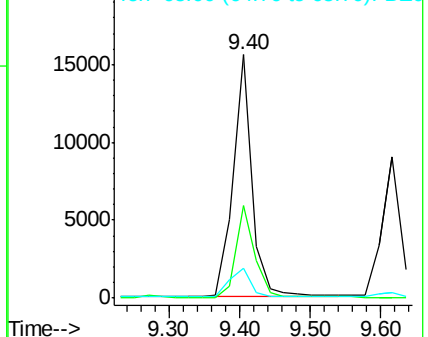
77 100

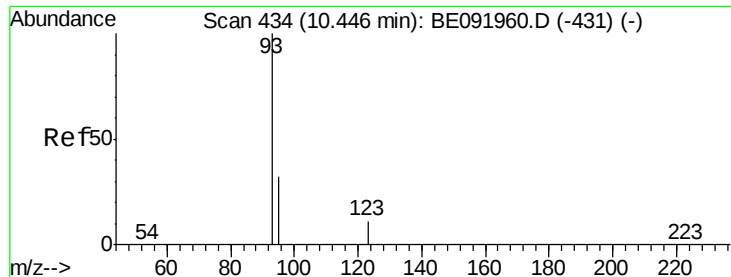
123 38.4 0.0 0.0#

65 13.8 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: 4.04 ng

RT: 10.40 min Scan# 432

Delta R.T. -0.05 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

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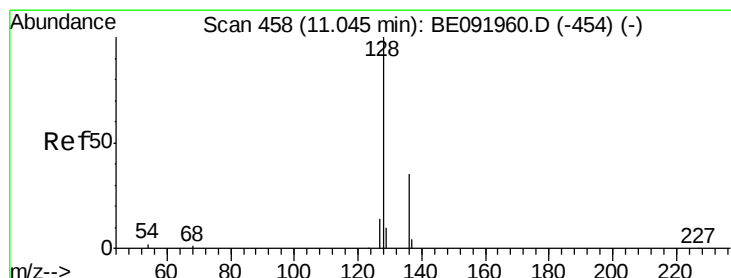
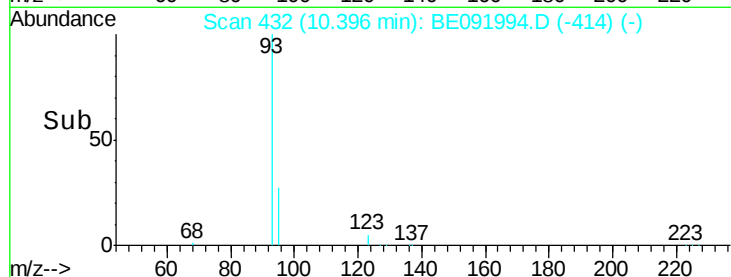
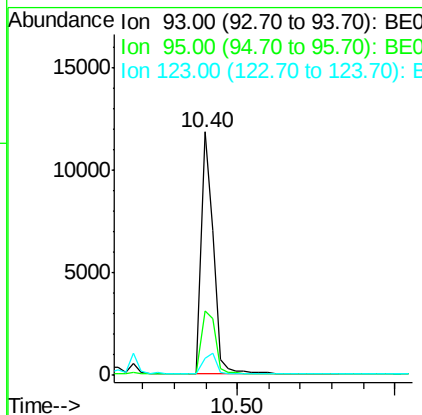
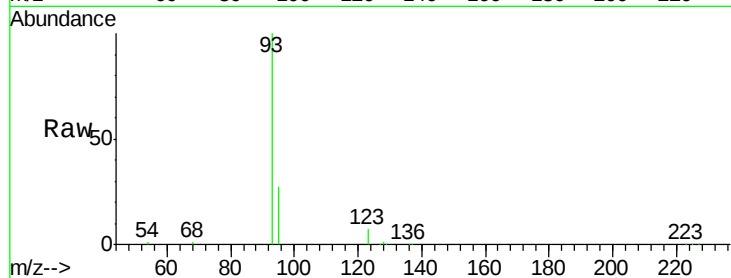
Tgt Ion: 93 Resp: 30580

Ion Ratio Lower Upper

93 100

95 31.4 57.6 86.4#

123 0.0 100.2 150.4#



#12

Naphthalene

Concen: 3.77 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

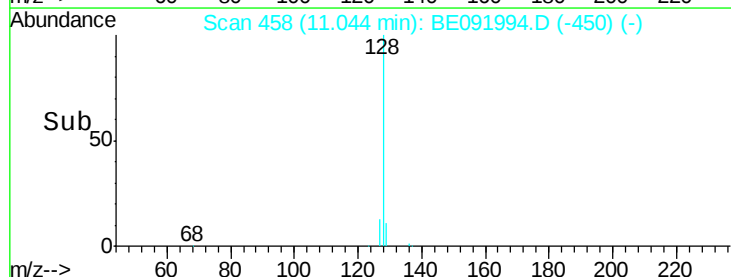
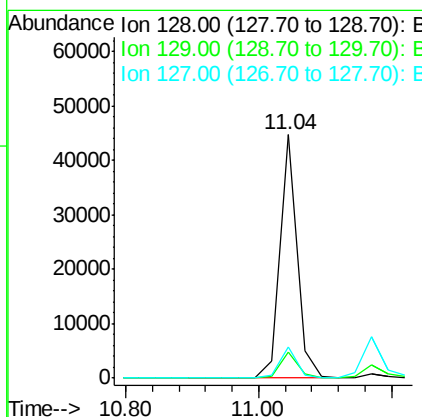
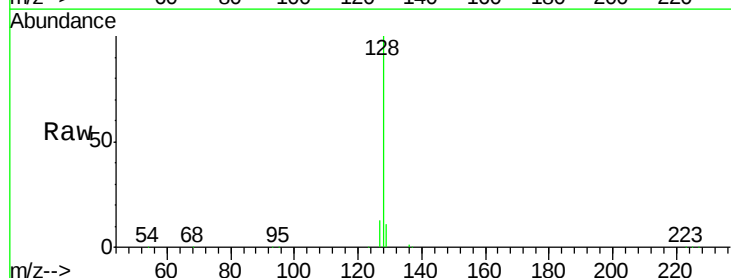
Tgt Ion: 128 Resp: 79477

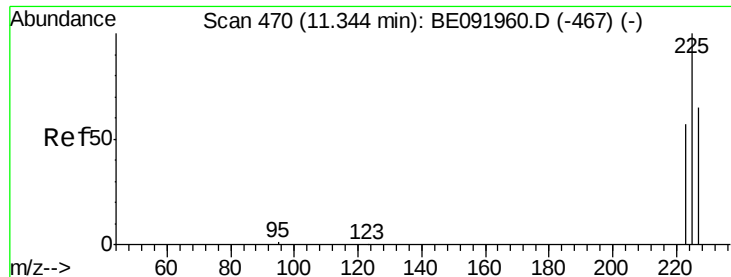
Ion Ratio Lower Upper

128 100

129 10.9 10.4 15.6

127 13.0 10.2 15.2

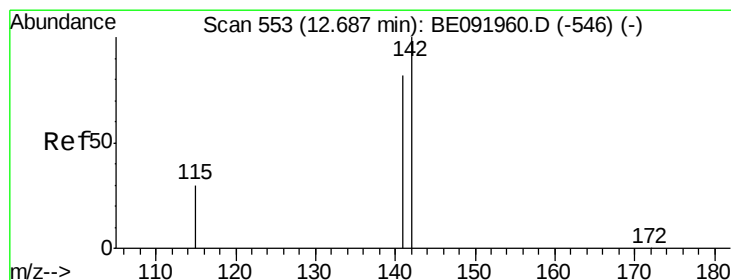
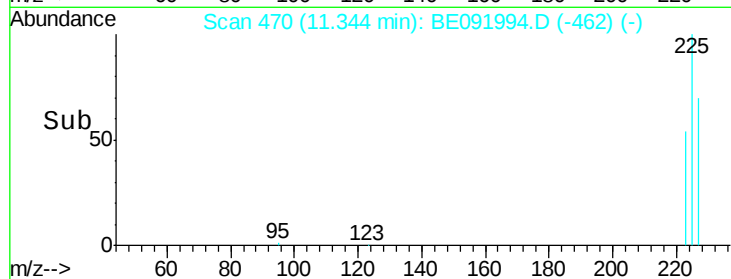
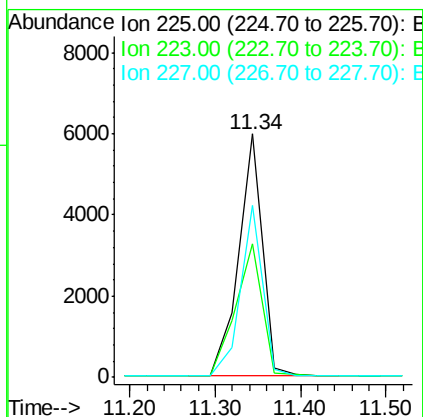
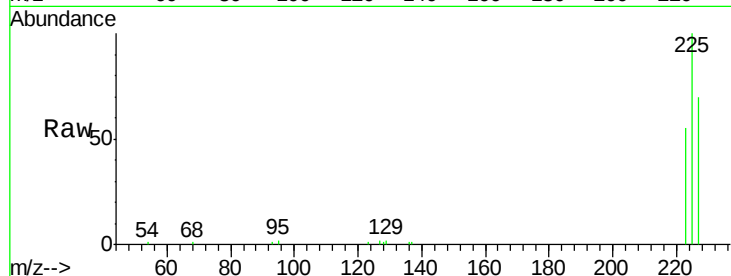




#13
Hexachlorobutadiene
Concen: 3.60 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091994.D
Acq: 9 Jul 2016 12:09

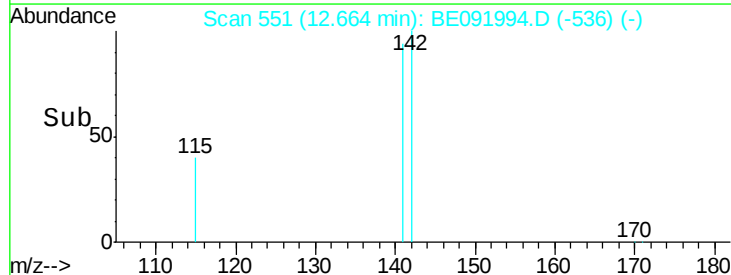
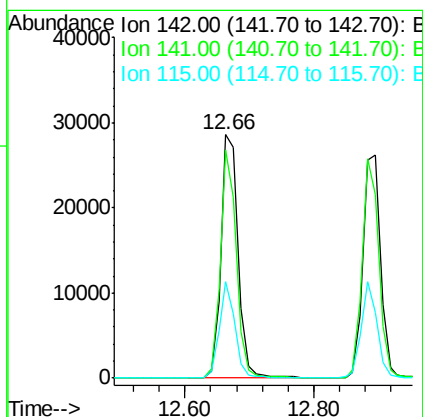
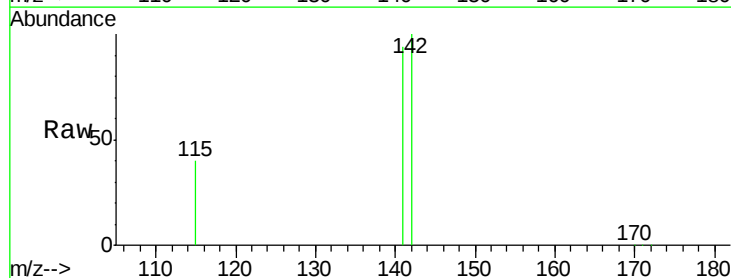
Instrument :
BNA_E
ClientSampleId :
PB91976BSD

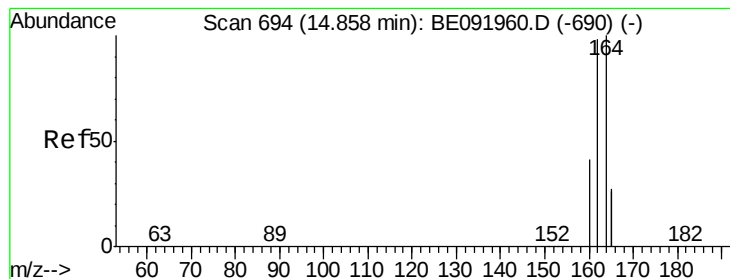
Tgt Ion: 225 Resp: 11534
Ion Ratio Lower Upper
225 100
223 60.7 49.8 74.8
227 65.3 50.6 75.8



#14
2-Methylnaphthalene
Concen: 3.91 ng
RT: 12.66 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE091994.D
Acq: 9 Jul 2016 12:09

Tgt Ion: 142 Resp: 52974
Ion Ratio Lower Upper
142 100
141 93.6 71.9 107.9
115 39.9 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: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

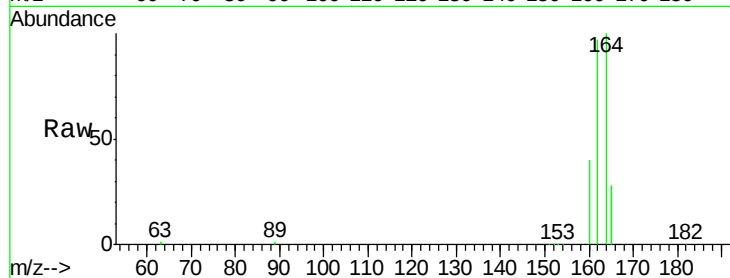
Tgt Ion:164 Resp: 56530

Ion Ratio Lower Upper

164 100

162 96.6 71.8 107.8

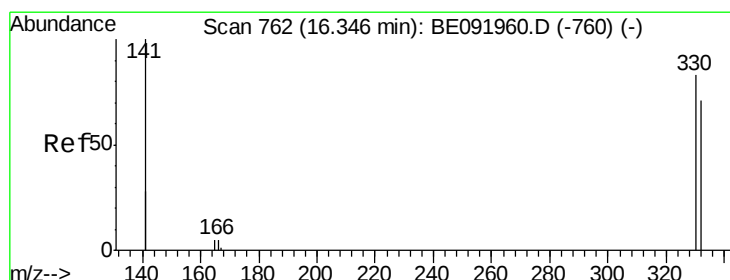
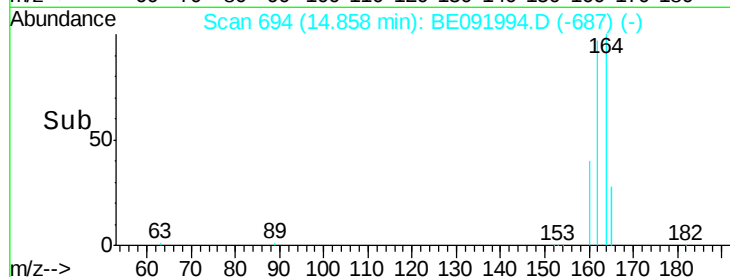
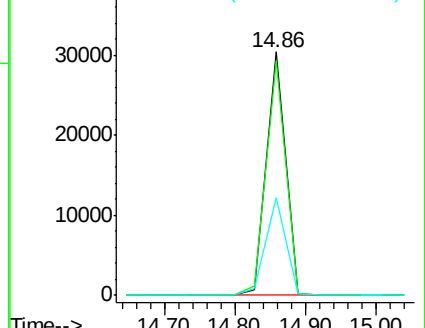
160 40.1 28.0 42.0



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: 6.40 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

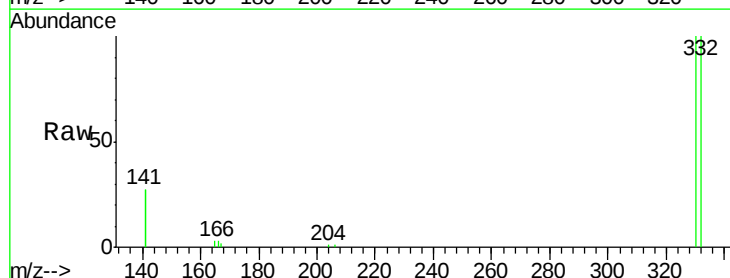
Tgt Ion:330 Resp: 12902

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

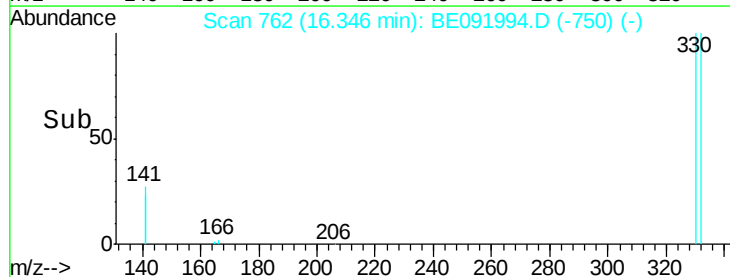
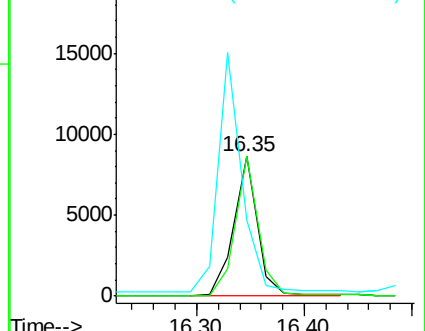
141 173.8 138.4 207.6

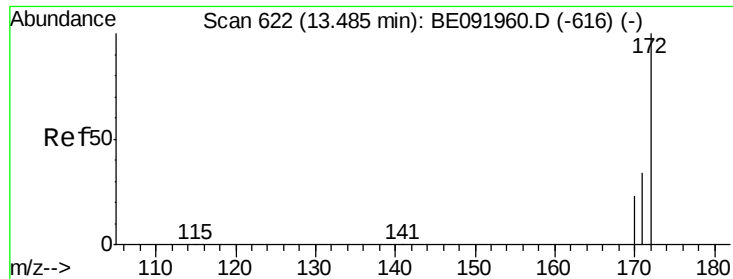


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

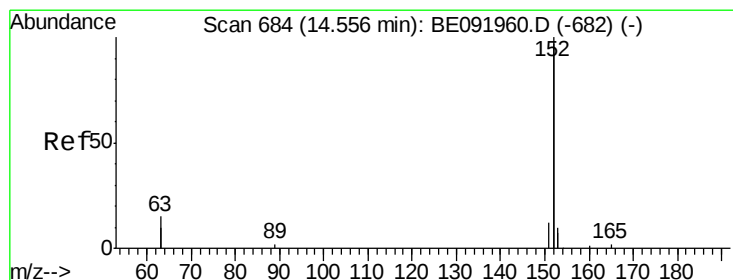
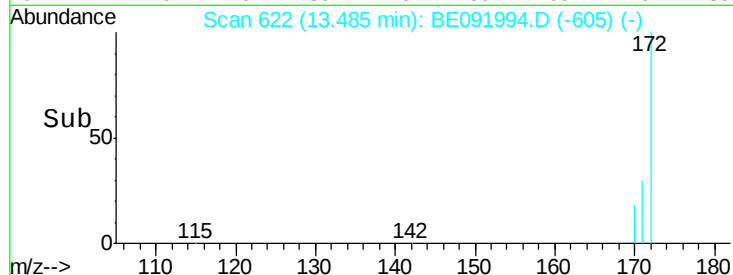
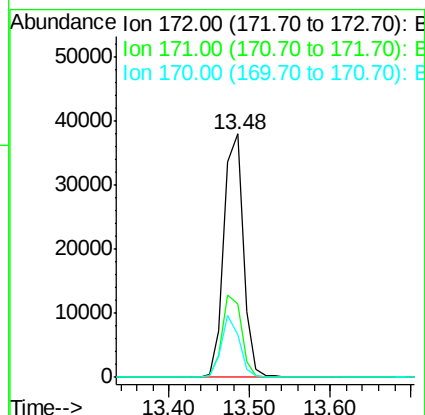
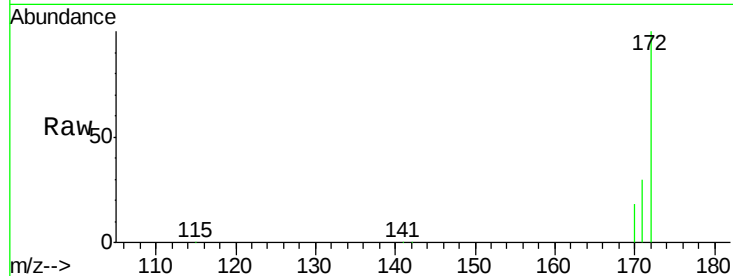




#17
2-Fluorobiphenyl
Concen: 4.59 ng
RT: 13.48 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091994.D
Acq: 9 Jul 2016 12:09

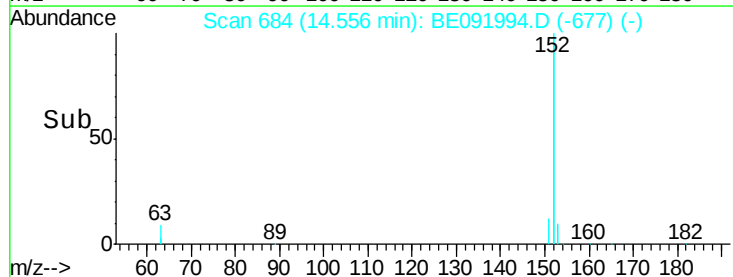
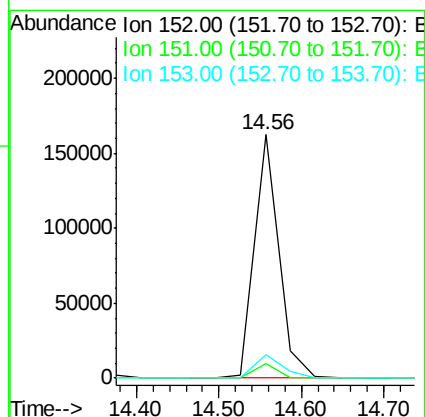
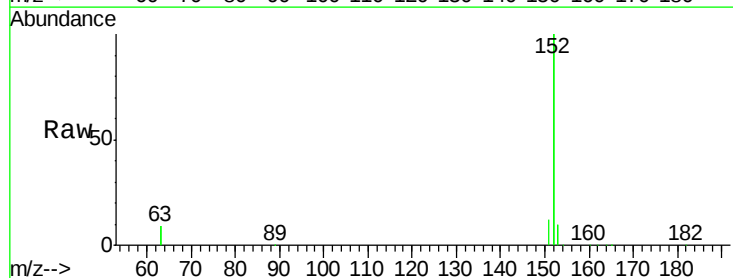
Instrument :
BNA_E
ClientSampleId :
PB91976BSD

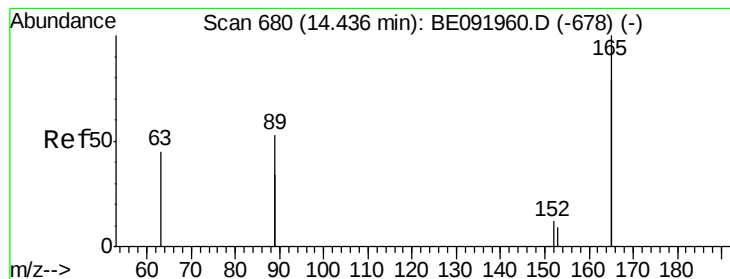
Tgt Ion:172 Resp: 63254
Ion Ratio Lower Upper
172 100
171 30.3 24.3 36.5
170 17.8 14.9 22.3



#18
Acenaphthylene
Concen: 4.64 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE091994.D
Acq: 9 Jul 2016 12:09

Tgt Ion:152 Resp: 329585
Ion Ratio Lower Upper
152 100
151 5.6 19.4 29.2#
153 11.1 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 3.87 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

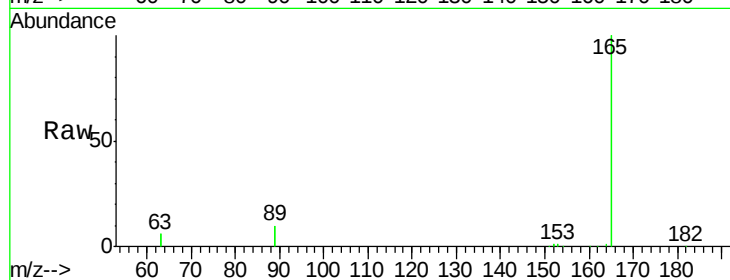
Tgt Ion:165 Resp: 62850

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

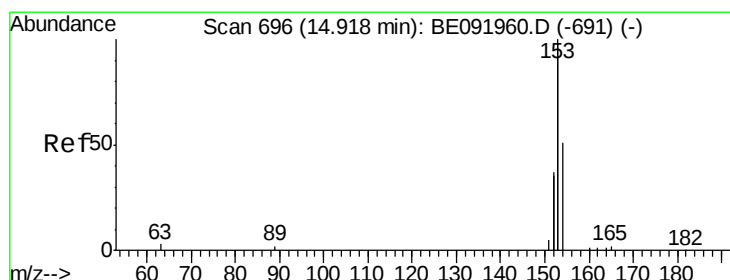
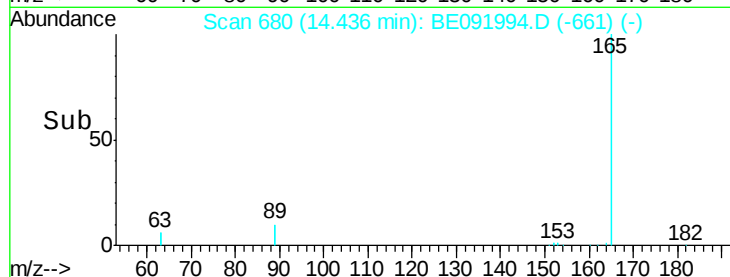
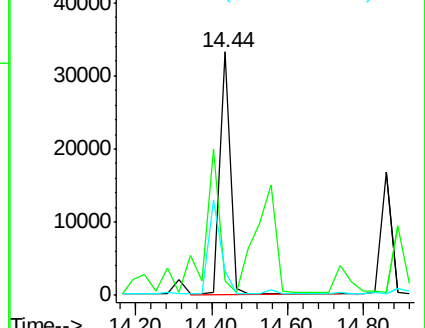
89 0.0 59.1 88.7#



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: 3.69 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

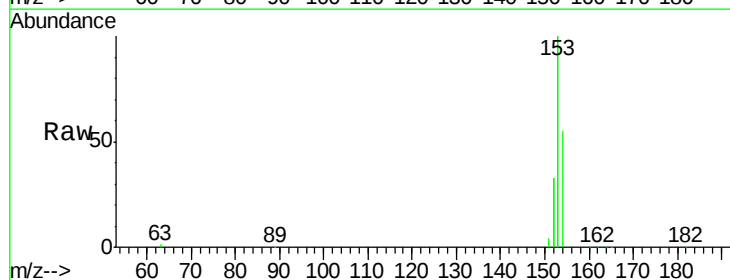
Tgt Ion:154 Resp: 56985

Ion Ratio Lower Upper

154 100

153 370.8 88.1 132.1#

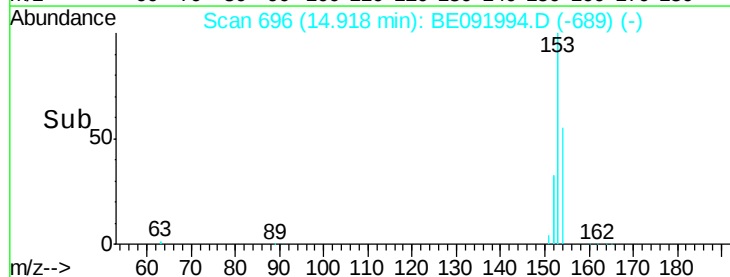
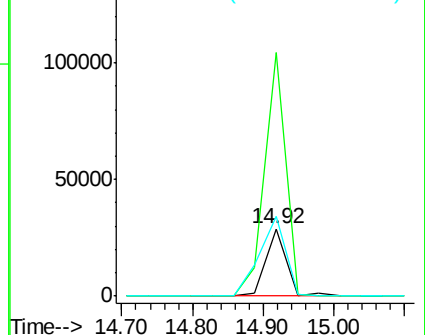
152 150.8 44.2 66.2#

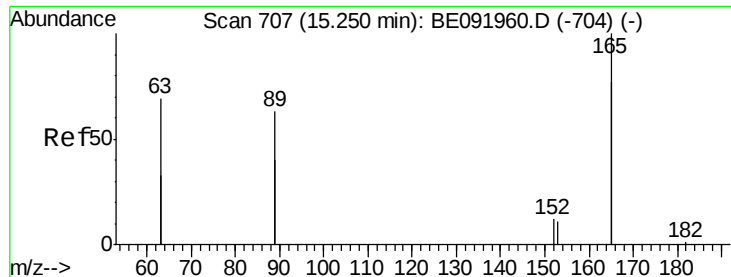


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 3.82 ng

RT: 15.22 min Scan# 706

Delta R.T. -0.03 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

Tgt Ion:165 Resp: 68804

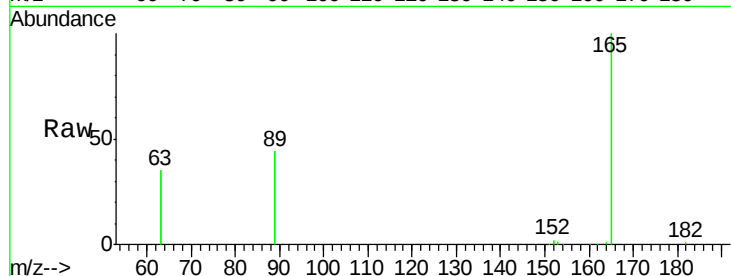
Ion Ratio Lower Upper

165 100

63 68.0 0.0 0.0#

89 76.6 99.8 149.8#

182 0.5 0.0 0.0#



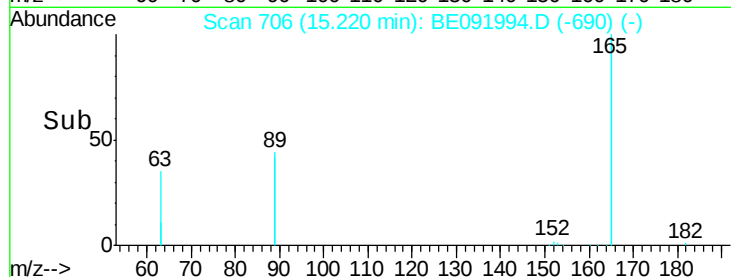
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

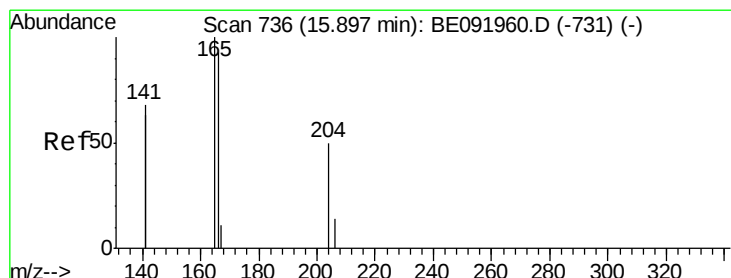
Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E

Time-->



Time-->



#22

Fluorene

Concen: 4.12 ng

RT: 15.90 min Scan# 736

Delta R.T. 0.00 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

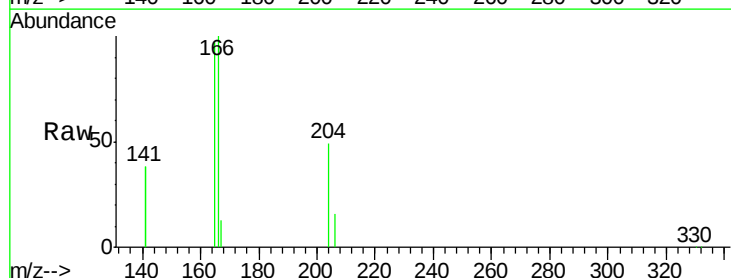
Tgt Ion:166 Resp: 67246

Ion Ratio Lower Upper

166 100

165 98.3 78.6 117.8

167 13.3 10.8 16.2

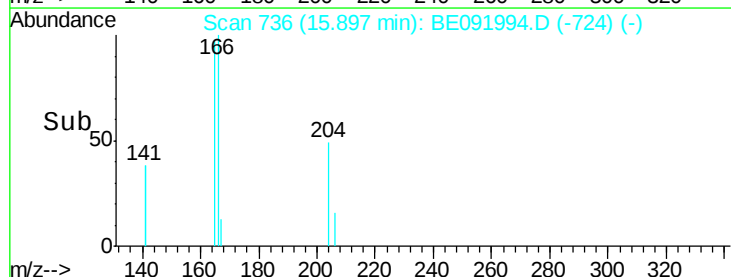


Abundance Ion 166.00 (165.70 to 166.70): E

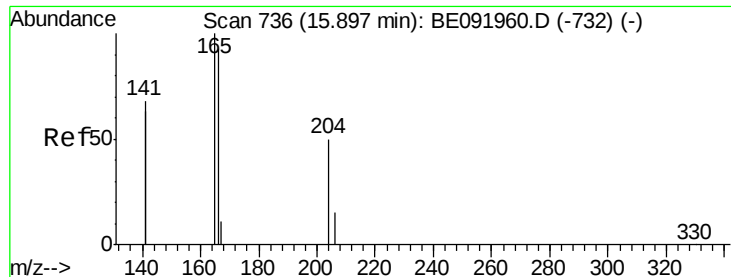
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



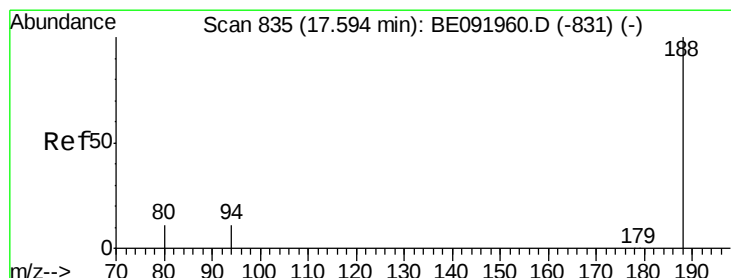
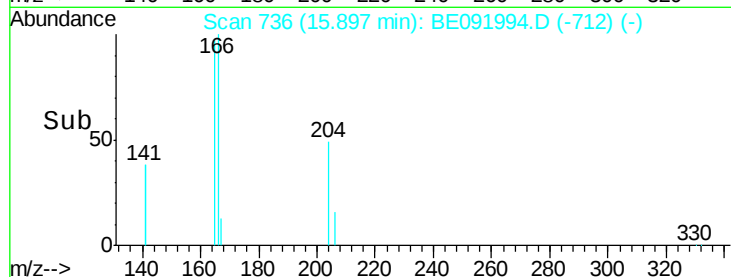
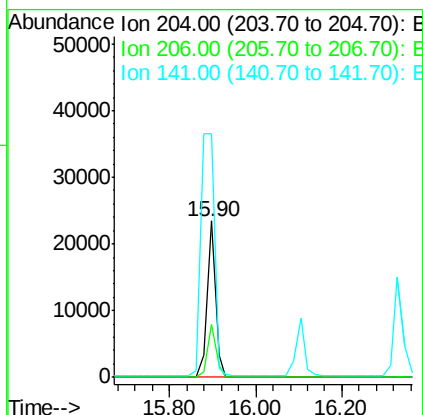
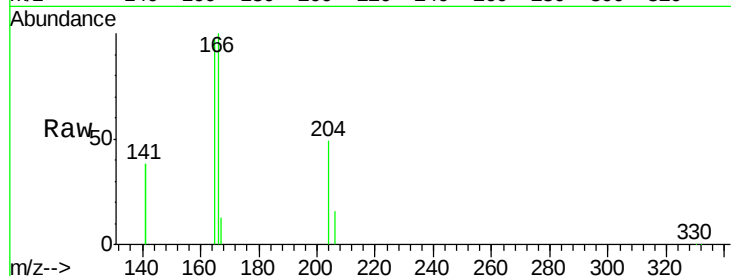
Time-->



#23
4-Chlorophenyl-phenylether
Concen: 3.87 ng
RT: 15.90 min Scan# 736
Delta R.T. 0.00 min
Lab File: BE091994.D
Acq: 9 Jul 2016 12:09

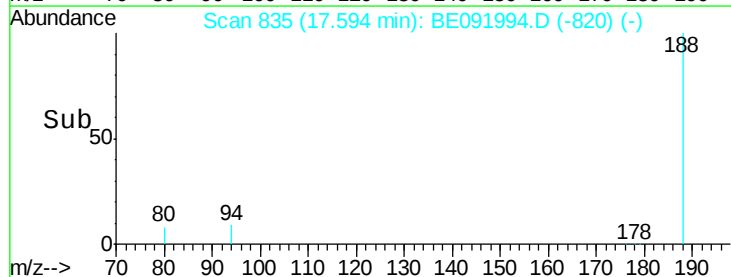
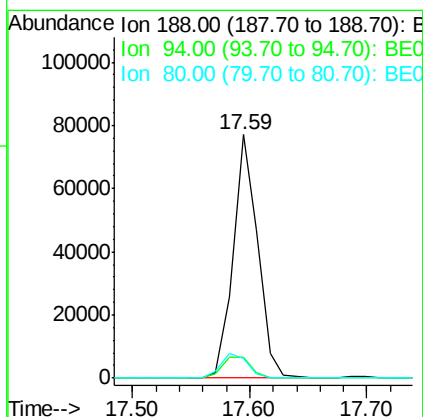
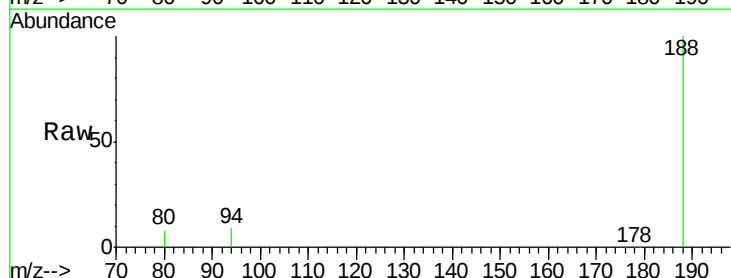
Instrument :
BNA_E
ClientSampleId :
PB91976BSD

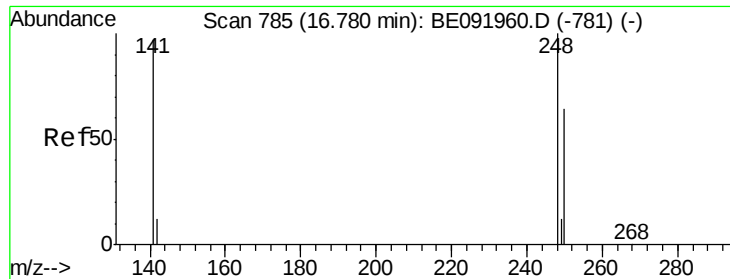
Tgt Ion:204 Resp: 31486
Ion Ratio Lower Upper
204 100
206 33.9 27.8 41.6
141 247.3 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. 0.00 min
Lab File: BE091994.D
Acq: 9 Jul 2016 12:09

Tgt Ion:188 Resp: 111819
Ion Ratio Lower Upper
188 100
94 8.8 4.1 6.1#
80 8.3 3.4 5.2#

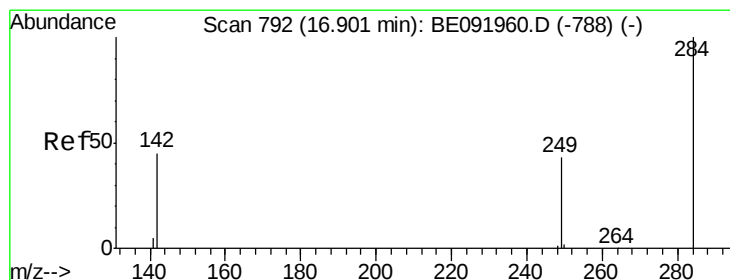
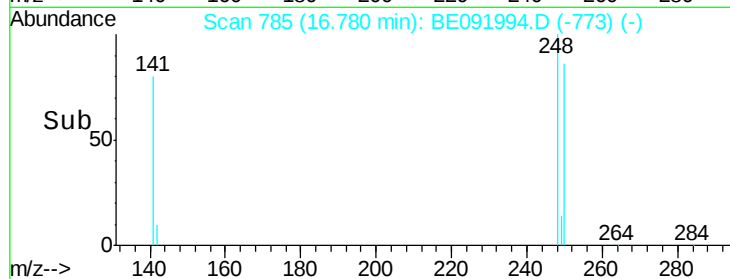
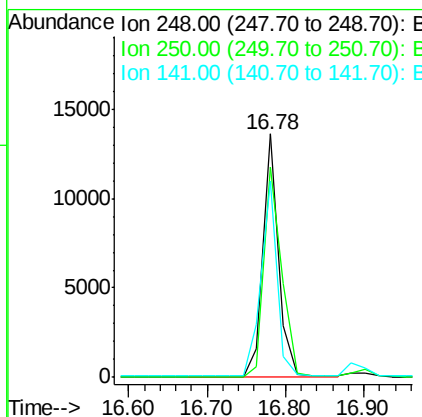
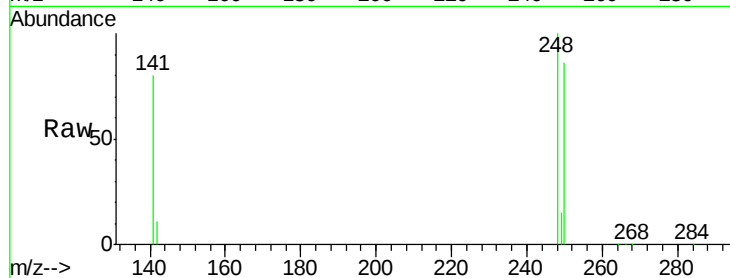




#25
 4-Bromophenyl-phenylether
 Concen: 3.88 ng
 RT: 16.78 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BE091994.D
 Acq: 9 Jul 2016 12:09

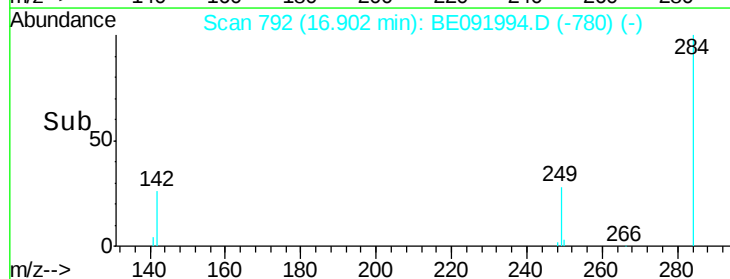
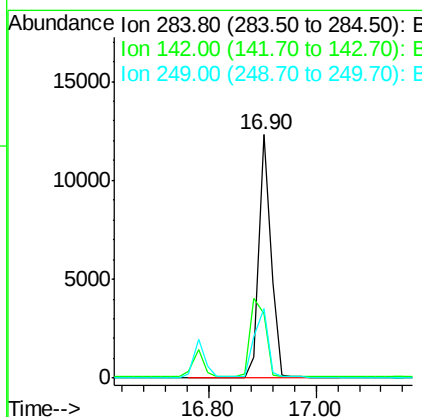
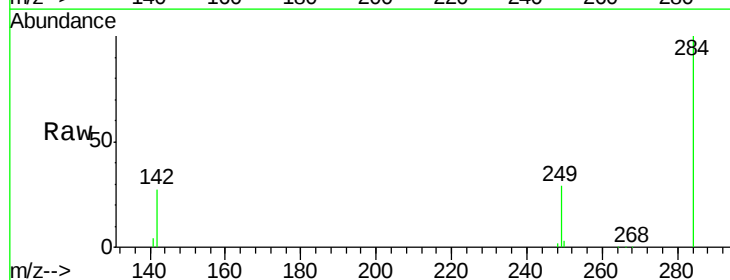
Instrument :
 BNA_E
 ClientSampleId :
 PB91976BSD

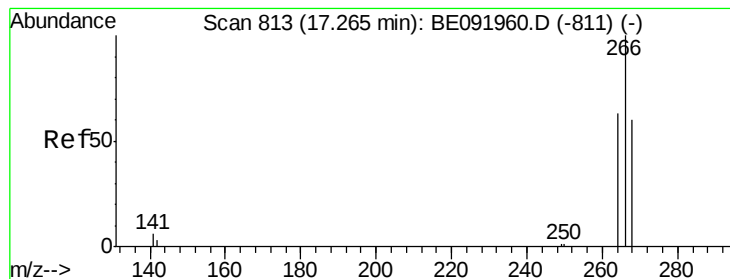
Tgt Ion:248 Resp: 18848
 Ion Ratio Lower Upper
 248 100
 250 97.7 75.7 113.5
 141 83.0 64.6 97.0



#26
 Hexachlorobenzene
 Concen: 3.91 ng
 RT: 16.90 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BE091994.D
 Acq: 9 Jul 2016 12:09

Tgt Ion:284 Resp: 18852
 Ion Ratio Lower Upper
 284 100
 142 41.0 31.4 47.2
 249 31.8 25.3 37.9





#27

Pentachlorophenol

Concen: 6.64 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.02 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

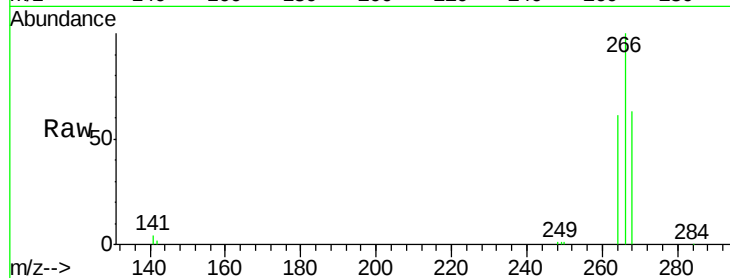
Tgt Ion:266 Resp: 17027

Ion Ratio Lower Upper

266 100

268 63.5 60.5 90.7

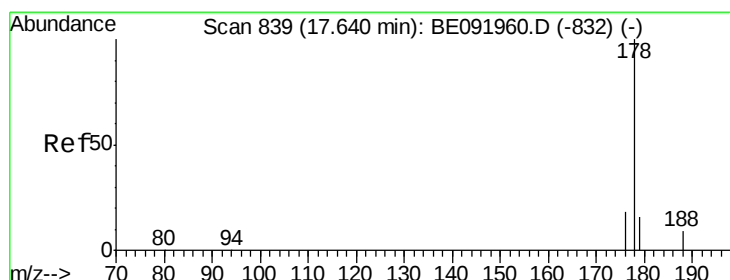
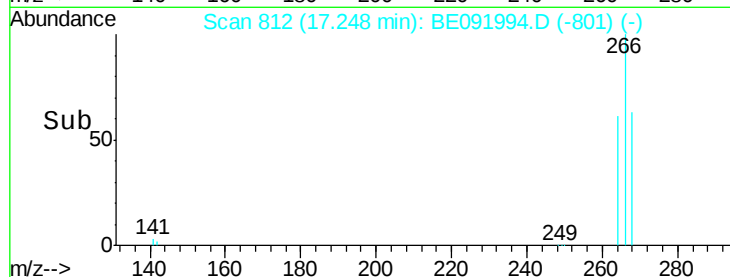
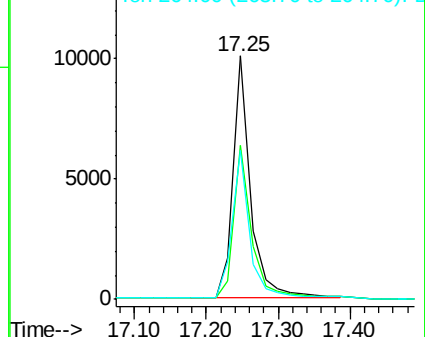
264 60.9 51.0 76.4



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: 3.93 ng

RT: 17.63 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

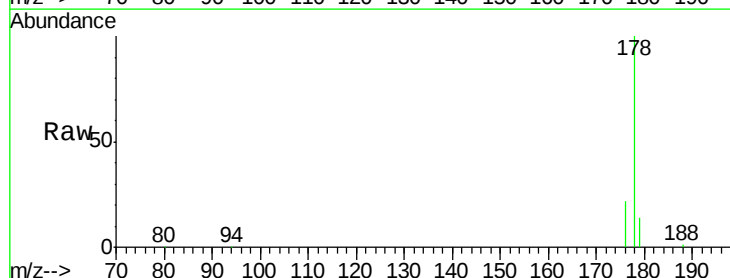
Tgt Ion:178 Resp: 114434

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

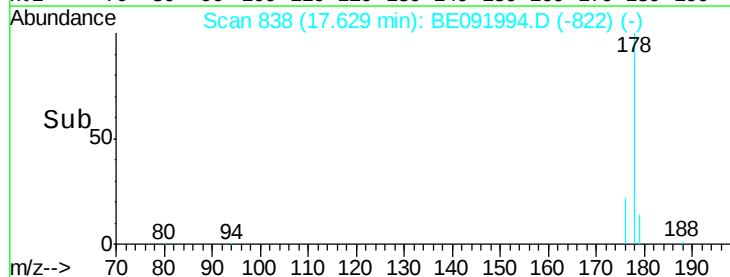
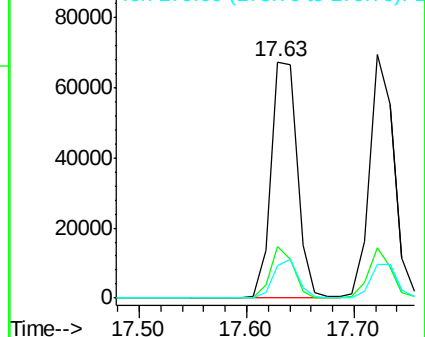
179 15.4 12.9 19.3

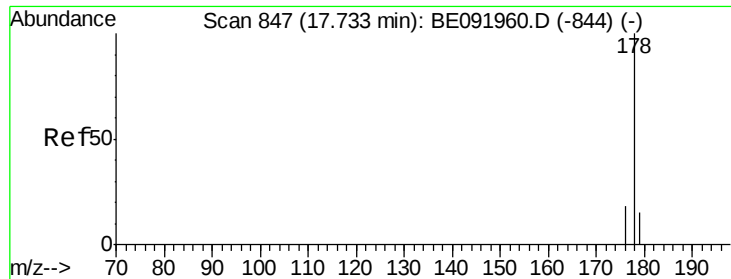


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 4.01 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.01 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

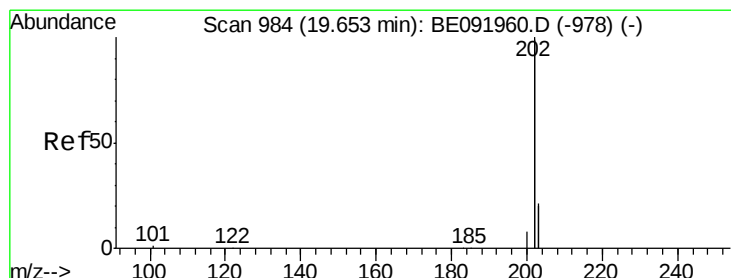
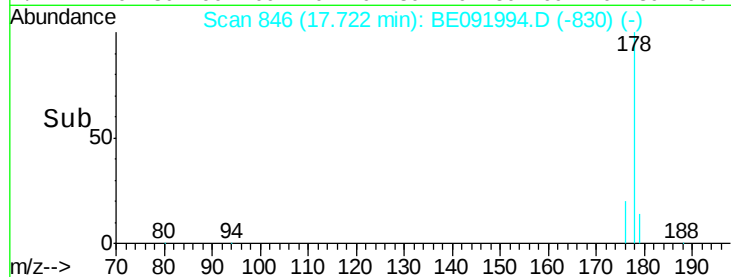
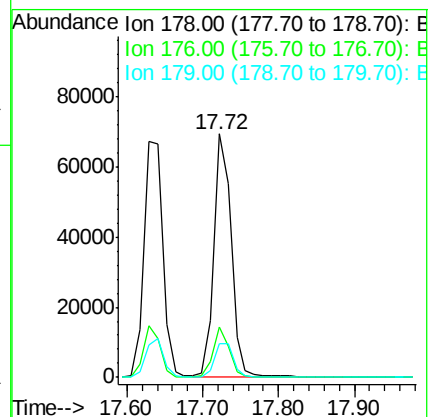
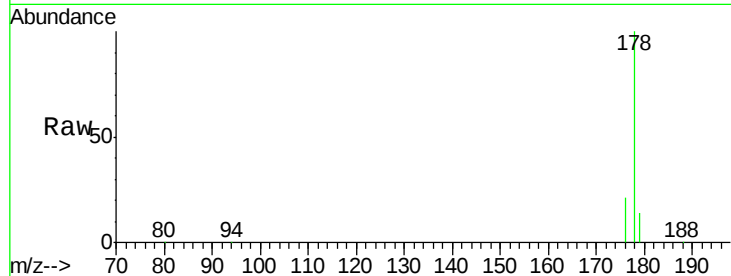
Tgt Ion:178 Resp: 109299

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.2 12.1 18.1



#30

Fluoranthene

Concen: 3.60 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

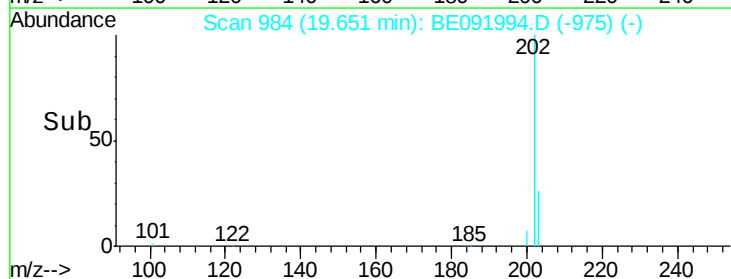
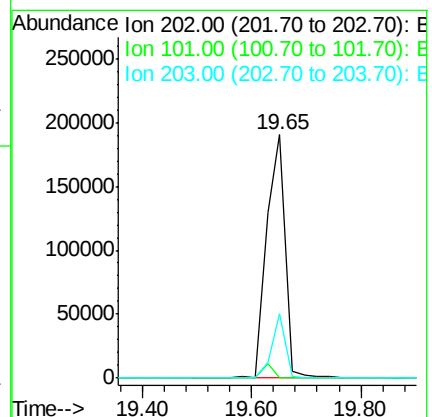
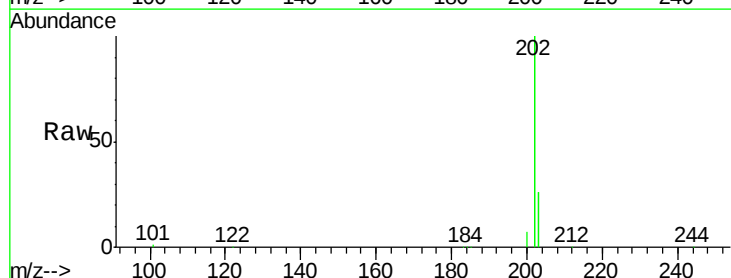
Tgt Ion:202 Resp: 451084

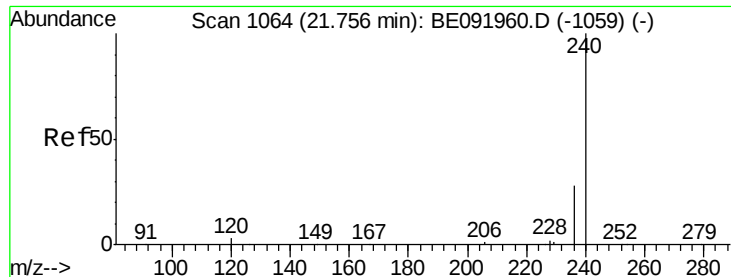
Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

203 19.6 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: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

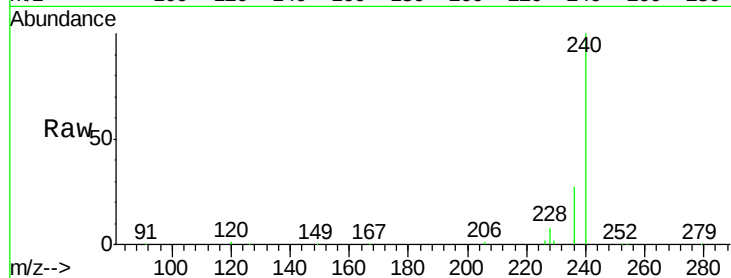
Tgt Ion:240 Resp: 195136

Ion Ratio Lower Upper

240 100

120 1.4 1.2 1.8

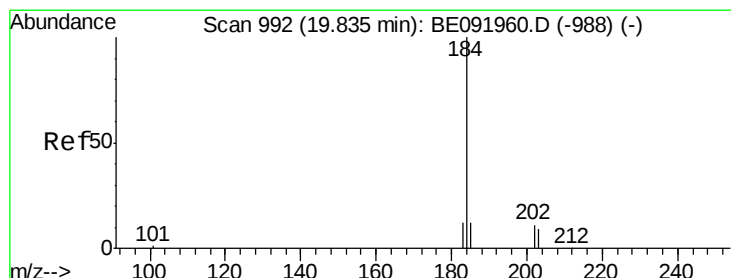
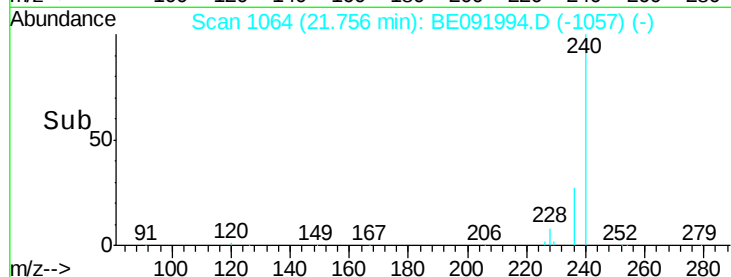
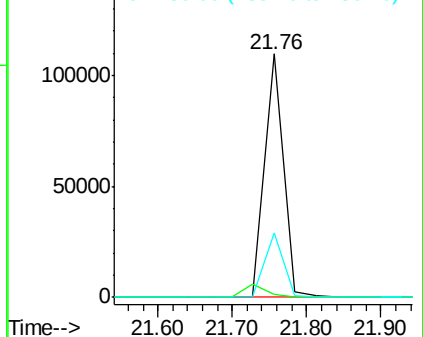
236 26.7 19.8 29.8



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: 0.55 ng

RT: 19.83 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

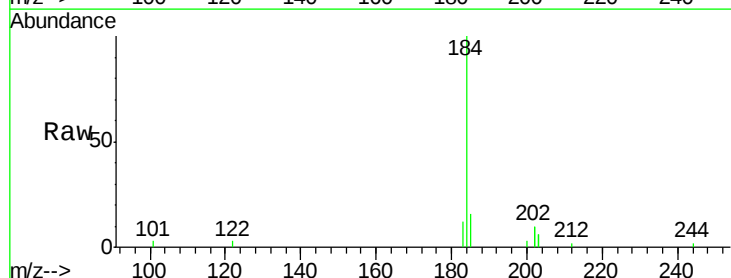
Tgt Ion:184 Resp: 5263

Ion Ratio Lower Upper

184 100

185 16.2 11.4 17.2

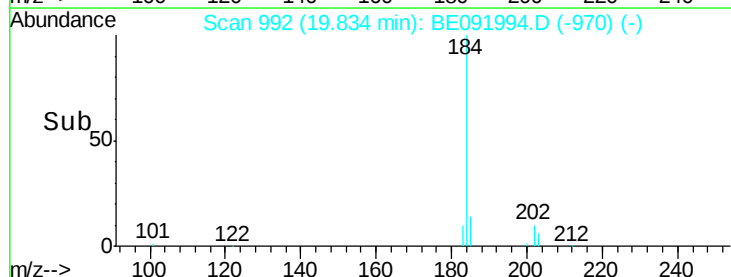
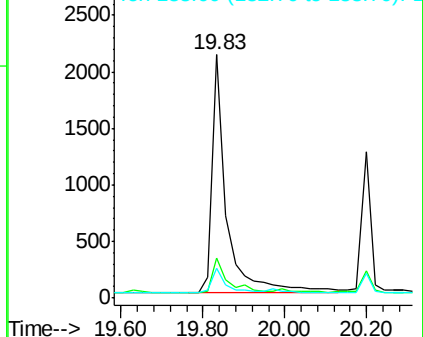
183 12.5 11.8 17.6

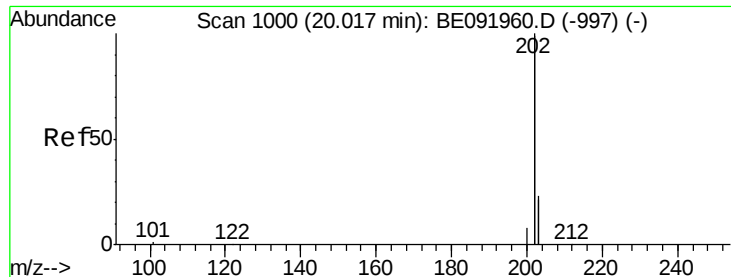


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

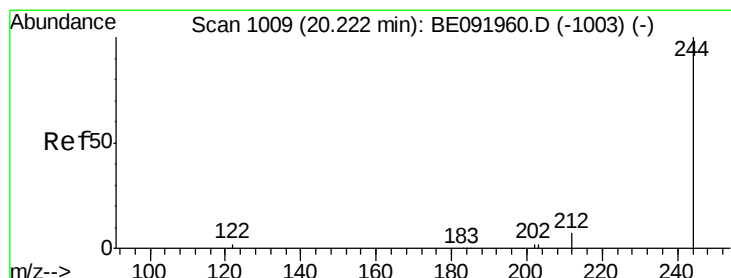
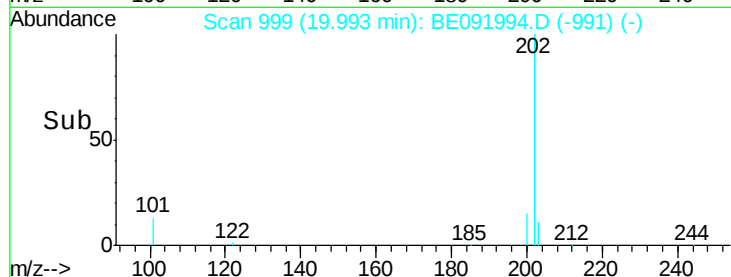
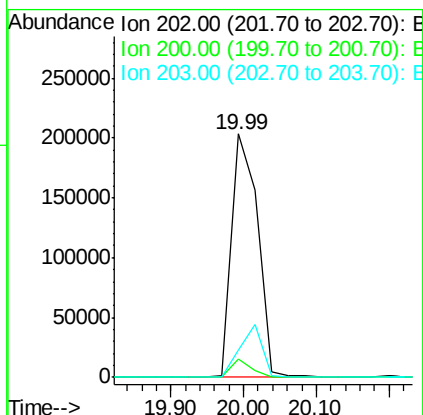
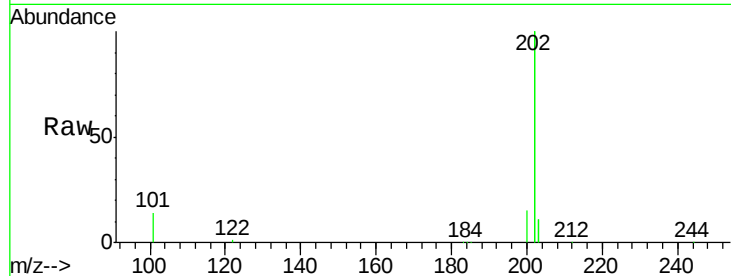




#33
 Pyrene
 Concen: 3.53 ng
 RT: 19.99 min Scan# 999
 Delta R.T. -0.02 min
 Lab File: BE091994.D
 Acq: 9 Jul 2016 12:09

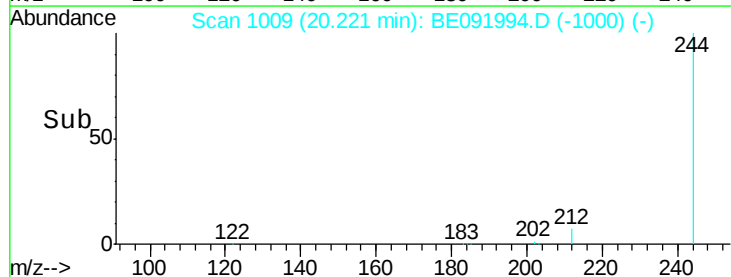
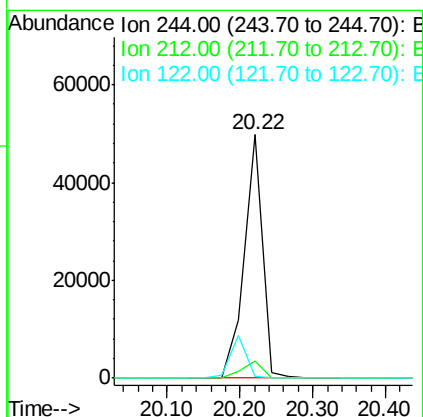
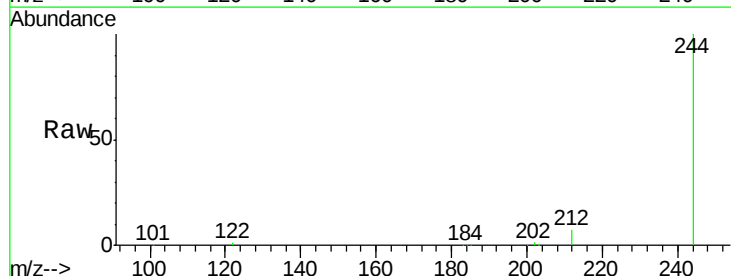
Instrument :
 BNA_E
 ClientSampleId :
 PB91976BSD

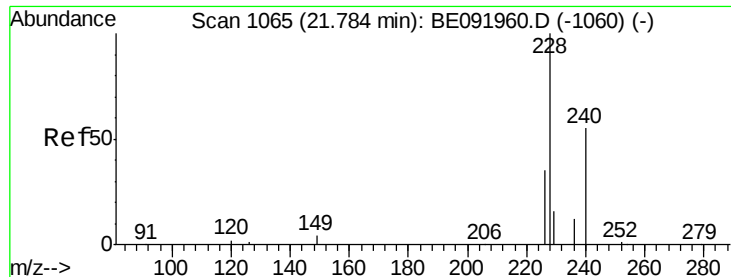
Tgt Ion: 202 Resp: 502199
 Ion Ratio Lower Upper
 202 100
 200 5.6 16.9 25.3#
 203 0.0 14.1 21.1#



#34
 Terphenyl-d14
 Concen: 3.75 ng
 RT: 20.22 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BE091994.D
 Acq: 9 Jul 2016 12:09

Tgt Ion: 244 Resp: 86220
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 0.5 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 9.89 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

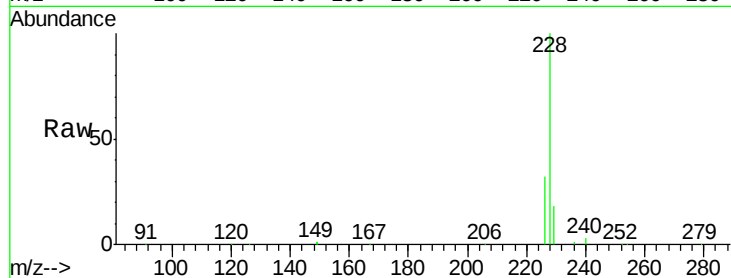
Tgt Ion:228 Resp: 323211

Ion Ratio Lower Upper

228 100

226 32.4 21.0 31.4#

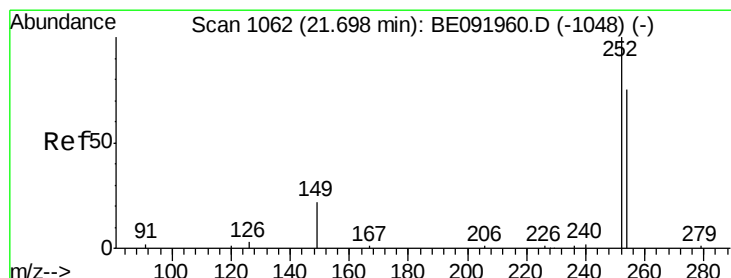
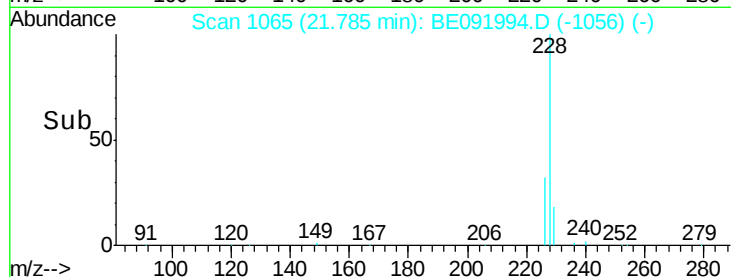
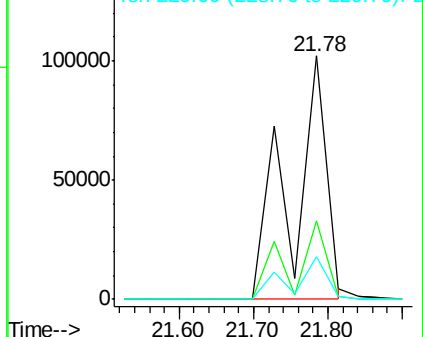
229 17.8 15.8 23.8



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: 1.66 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

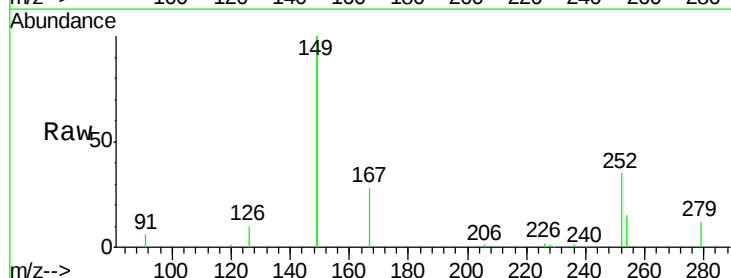
Tgt Ion:252 Resp: 14381

Ion Ratio Lower Upper

252 100

254 44.4 61.5 92.3#

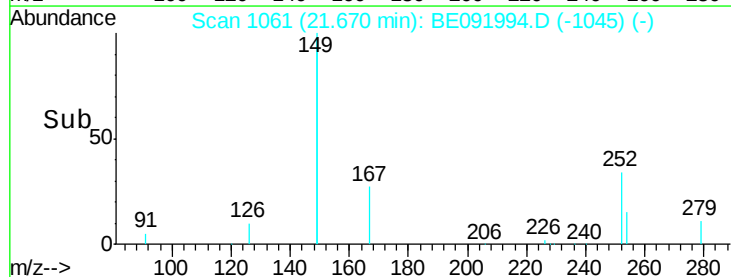
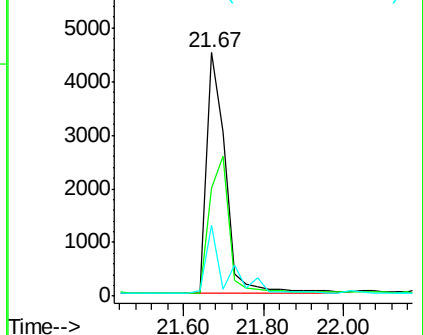
126 29.3 2.5 3.7#

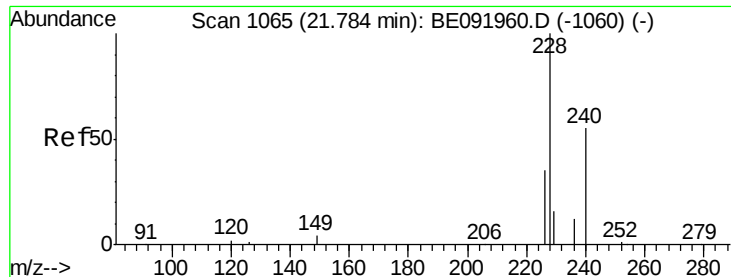


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 7.04 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

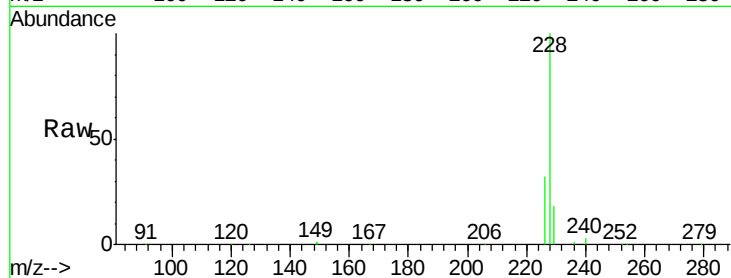
Tgt Ion:228 Resp: 325862

Ion Ratio Lower Upper

228 100

226 32.4 27.0 40.6

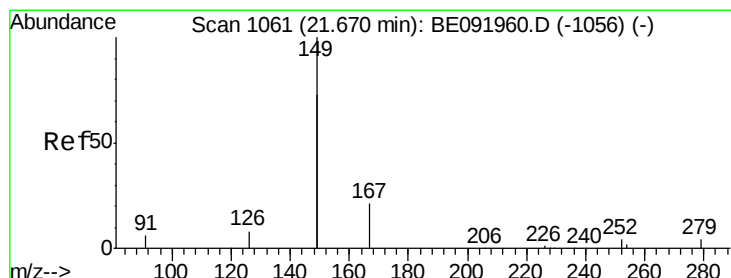
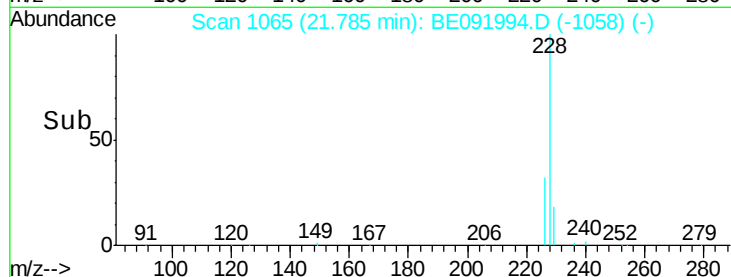
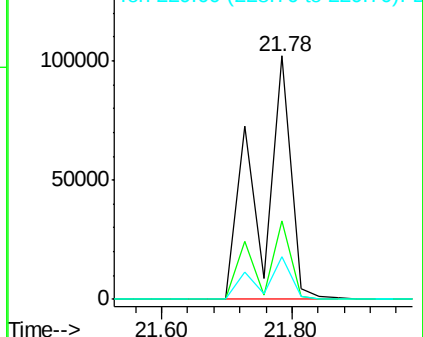
229 17.8 13.8 20.8



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: 3.14 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

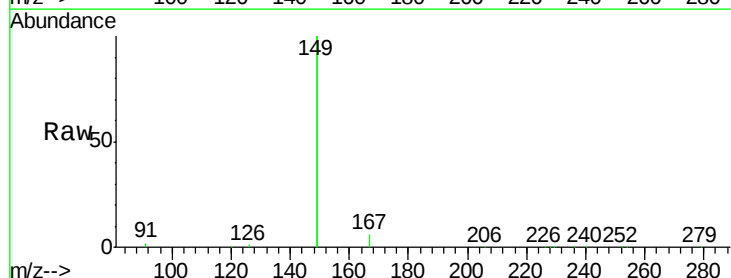
Tgt Ion:149 Resp: 118861

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

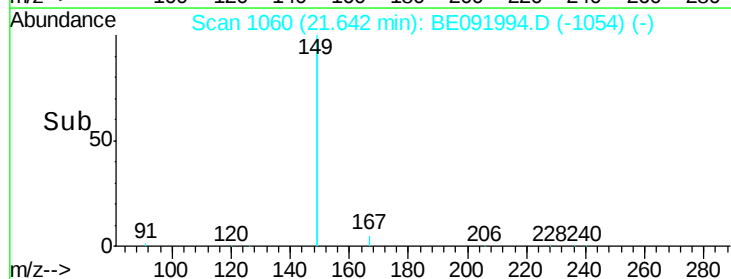
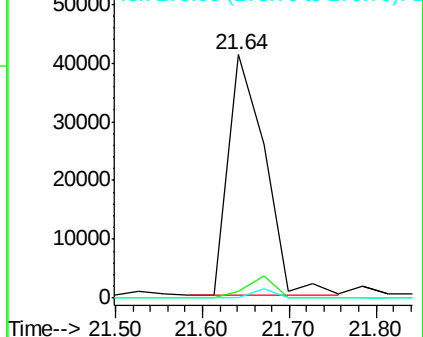
279 0.0 0.0 0.0

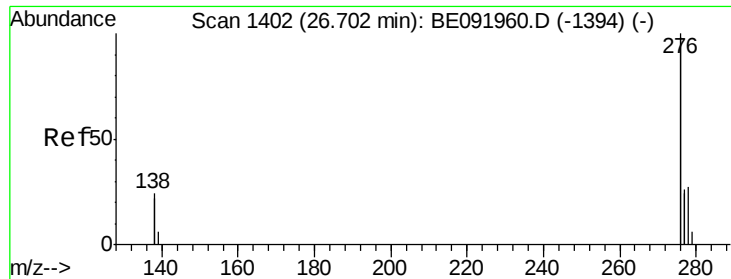


Abundance Ion 149.00 (148.70 to 149.70): E

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: 3.67 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

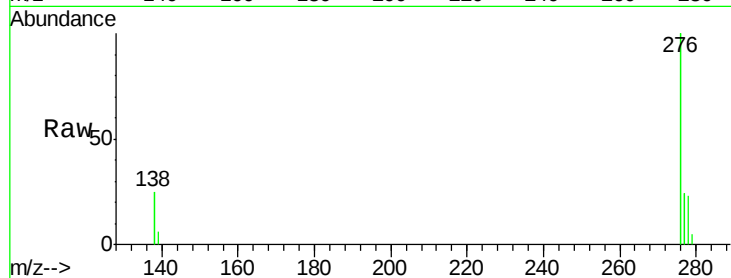
Tgt Ion:276 Resp: 666782

Ion Ratio Lower Upper

276 100

138 26.4 19.7 29.5

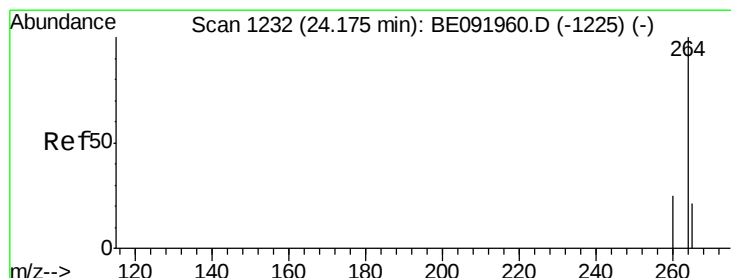
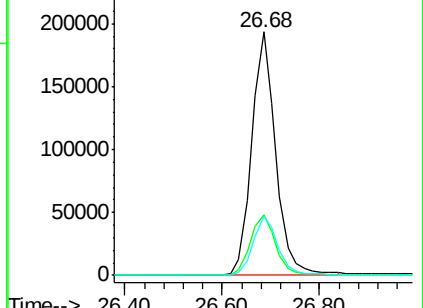
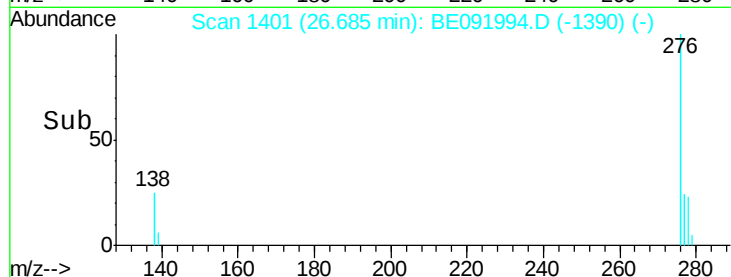
277 24.8 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.17 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

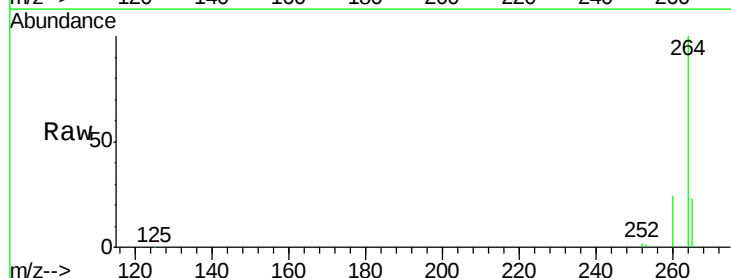
Tgt Ion:264 Resp: 134291

Ion Ratio Lower Upper

264 100

260 23.7 20.3 30.5

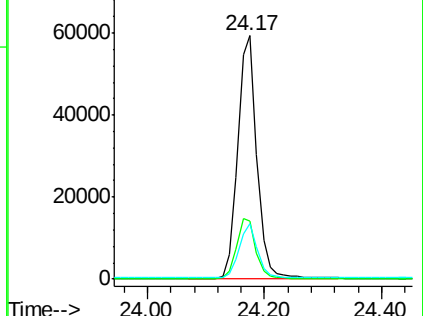
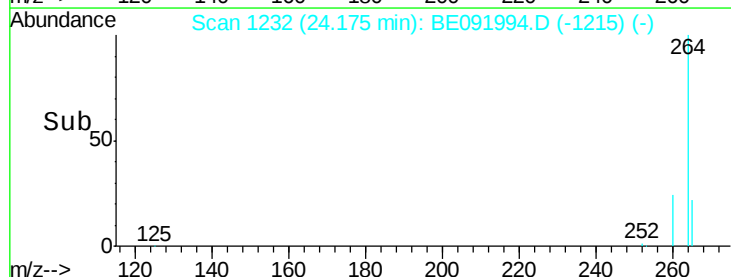
265 22.7 17.6 26.4

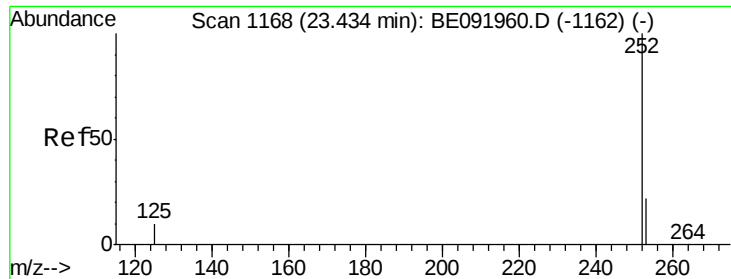


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 3.85 ng

RT: 23.42 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

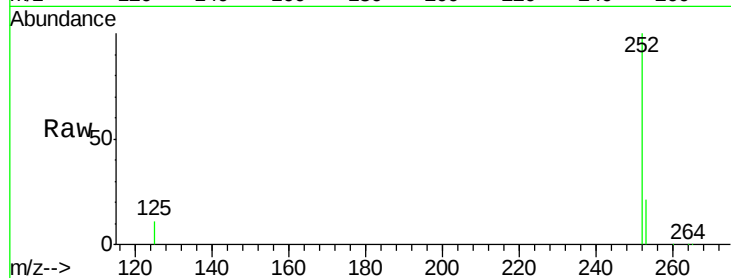
Tgt Ion:252 Resp: 142926

Ion Ratio Lower Upper

252 100

253 21.1 17.8 26.6

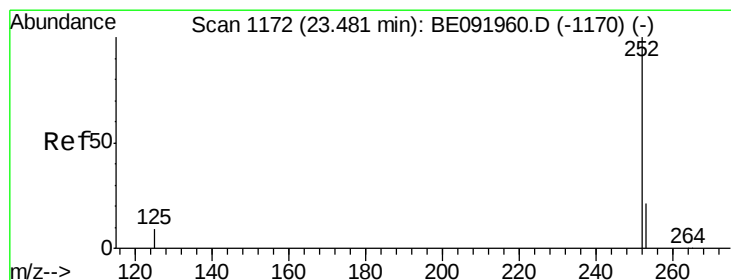
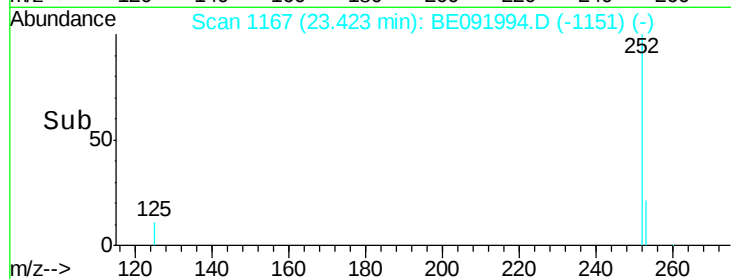
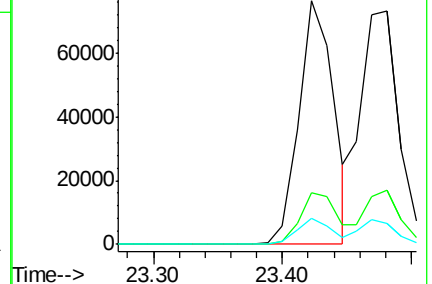
125 10.6 9.4 14.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#42

Benzo(k)fluoranthene

Concen: 4.28 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

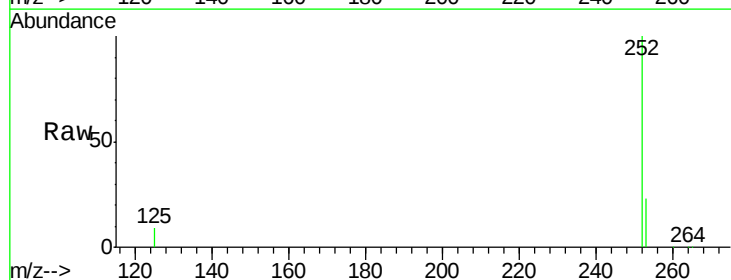
Tgt Ion:252 Resp: 153373

Ion Ratio Lower Upper

252 100

253 23.0 19.4 29.2

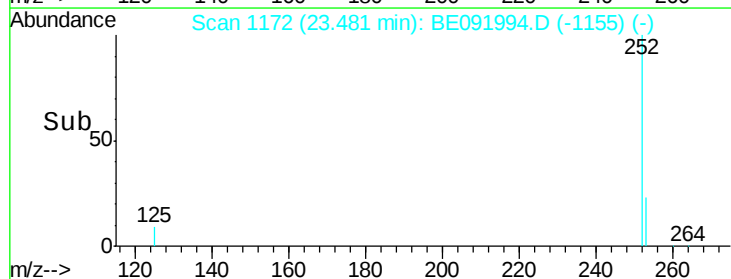
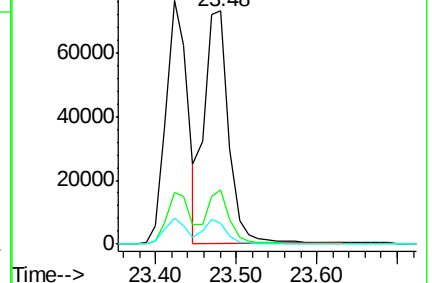
125 9.2 8.3 12.5

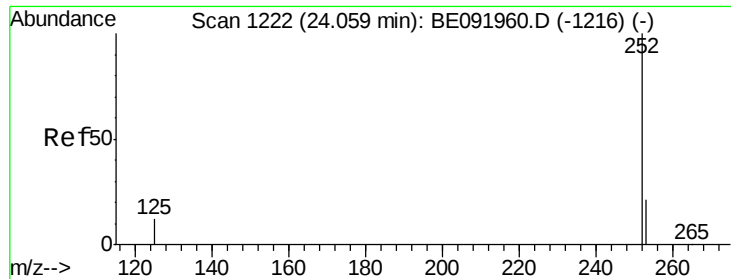


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 3.97 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD

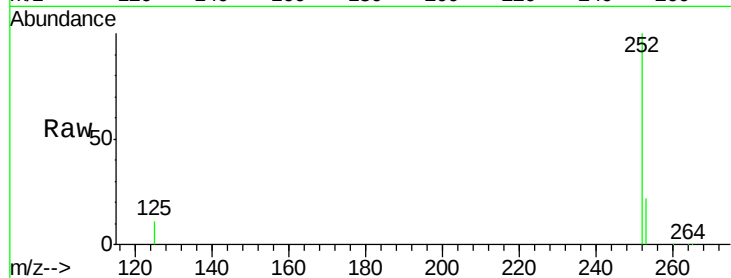
Tgt Ion:252 Resp: 139017

Ion Ratio Lower Upper

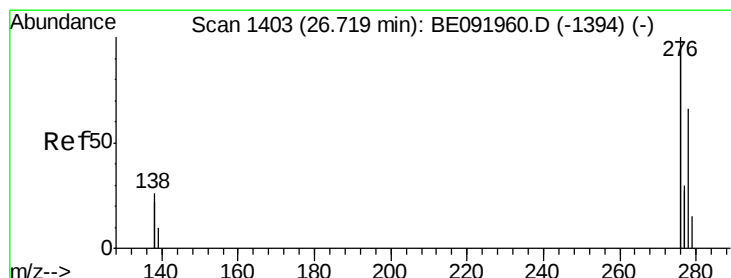
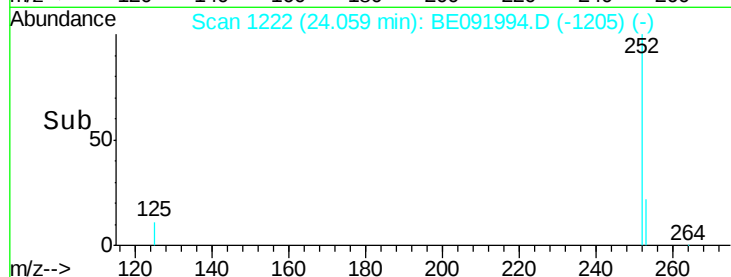
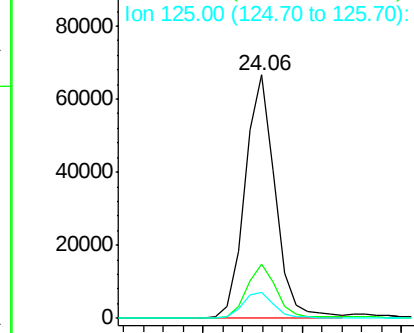
252 100

253 22.2 18.9 28.3

125 10.9 10.5 15.7



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



#44

Dibenzo(a,h)anthracene

Concen: 4.21 ng

RT: 26.70 min Scan# 1402

Delta R.T. -0.02 min

Lab File: BE091994.D

Acq: 9 Jul 2016 12:09

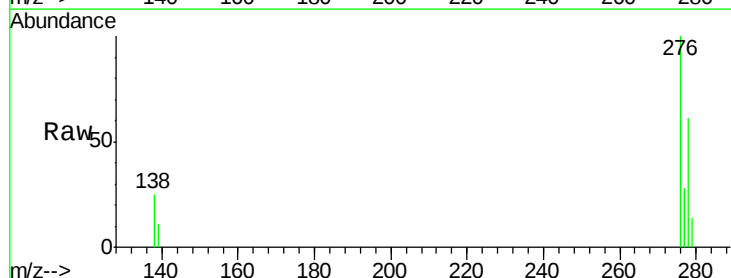
Tgt Ion:278 Resp: 138770

Ion Ratio Lower Upper

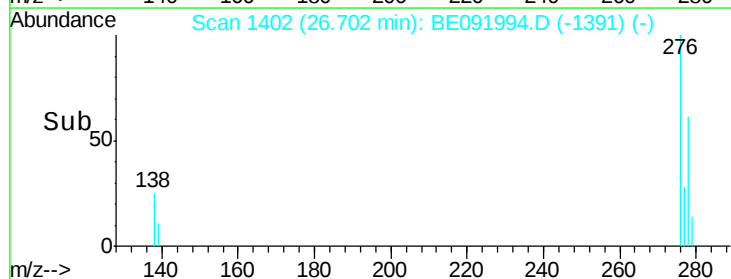
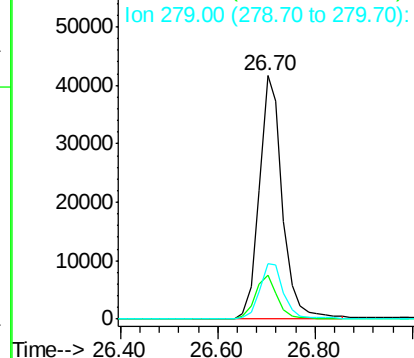
278 100

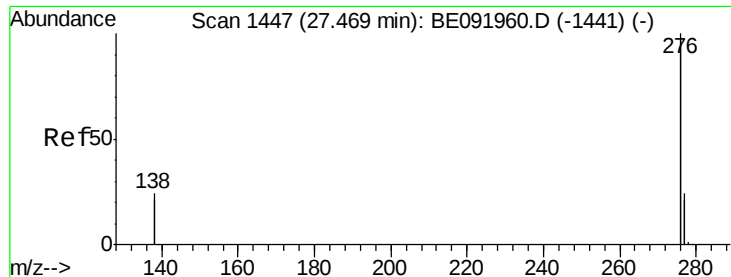
139 17.9 12.6 18.8

279 23.0 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 4.21 ng

RT: 27.47 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BE091994.D

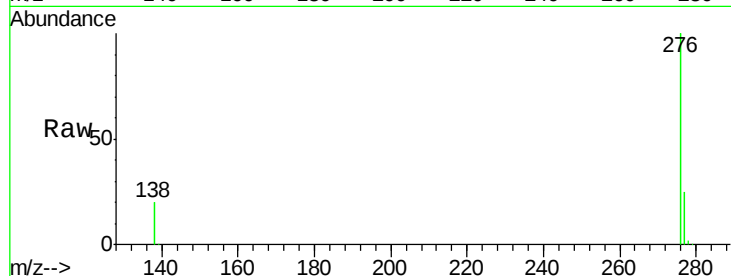
Acq: 9 Jul 2016 12:09

Instrument :

BNA_E

ClientSampleId :

PB91976BSD



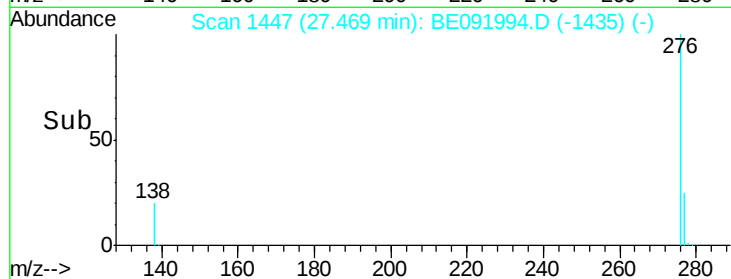
Tgt Ion: 276 Resp: 565665

Ion Ratio Lower Upper

276 100

277 24.6 19.5 29.3

138 20.3 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

