

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102716\
 Data File : BF090870.D
 Acq On : 27 Oct 2016 13:25
 Operator : UM/SJ
 Sample : PB94264BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB94264BL

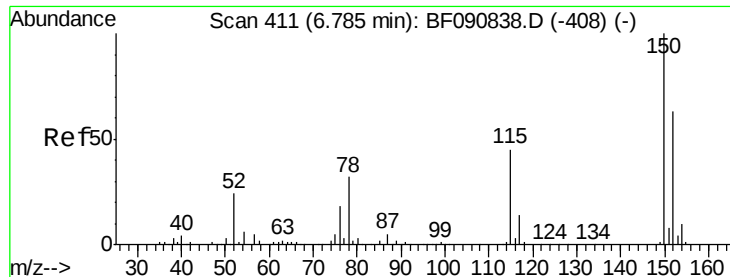
Quant Time: Oct 27 16:49:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 16:35:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	133476	20.00	ng	-0.02
21) Naphthalene-d8	8.06	136	547457	20.00	ng	-0.02
38) Acenaphthene-d10	9.81	164	296465	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	547690	20.00	ng	-0.02
75) Chrysene-d12	13.94	240	482181	20.00	ng	-0.02
86) Perylene-d12	15.35	264	385140	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	104086	13.63	ng	-0.02
7) Phenol-d6	6.41	99	153379	14.89	ng	-0.03
23) Nitrobenzene-d5	7.34	82	89937	10.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	33562	11.02	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	205705	12.18	ng	-0.03
78) Terphenyl-d14	12.89	244	216071	11.29	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.48	88	331	0.08	ng	# 11
4) n-Nitrosodimethylamine	3.09	42	218	0.07	ng	# 1
9) Benzaldehyde	6.53	77	2622	0.49	ng	# 47
15) Benzyl Alcohol	6.93	79	1513	0.22	ng	# 21
19) n-Nitroso-di-n-propylamine	7.34	70	11275	1.89	ng	# 54
25) Isophorone	7.34	82	62109	3.66	ng	# 58
45) 1,1'-Biphenyl	9.14	154	335	0.02	ng	# 1
47) 2-Nitroaniline	9.14	65	276	0.06	ng	# 1
50) 2,6-Dinitrotoluene	9.81	165	37415	8.55	ng	# 38
51) Acenaphthene	9.81	154	858	0.05	ng	# 9
56) 2,4-Dinitrotoluene	9.81	165	37410	6.88	ng	# 32
57) Fluorene	10.60	166	1619	0.09	ng	# 85
65) n-Nitrosodiphenylamine	10.60	169	902	0.05	ng	# 40
66) 4-Bromophenyl-phenylether	10.60	248	2037	0.34	ng	# 1
76) Benzidine	12.89	184	2570	0.24	ng	# 92
77) Pyrene	12.89	202	422	0.01	ng	# 35
80) Benzo(a)anthracene	13.94	228	1657	0.06	ng	# 53
82) Chrysene	13.94	228	1657	0.06	ng	# 52
83) Bis(2-ethylhexyl)phthalate	13.83	149	285	0.02	ng	# 50
89) Benzo(a)pyrene	15.35	252	1173	0.05	ng	# 85

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.02 min

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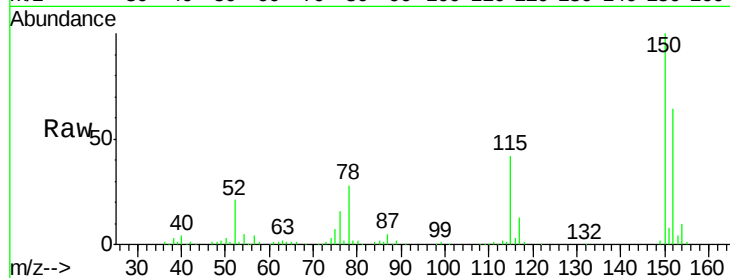
Tgt Ion:152 Resp: 133476

Ion Ratio Lower Upper

152 100

150 157.5 124.7 187.1

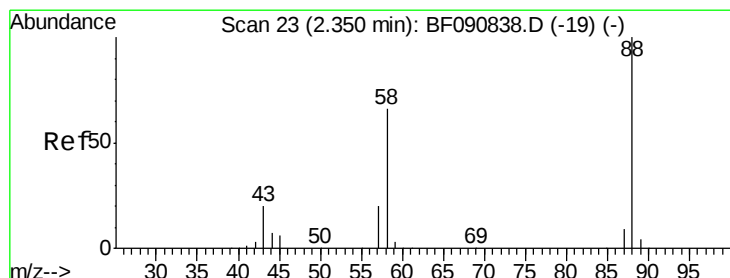
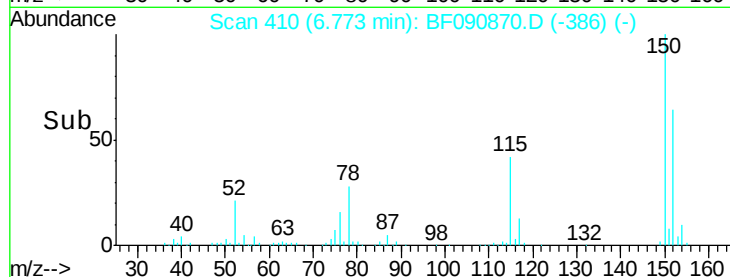
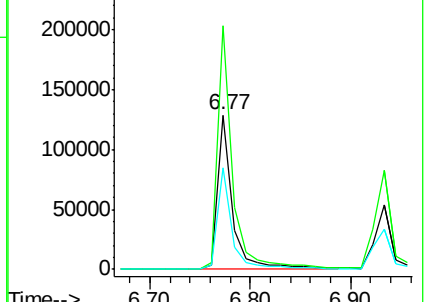
115 65.5 39.0 58.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.08 ng

RT: 2.48 min Scan# 34

Delta R.T. 0.13 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

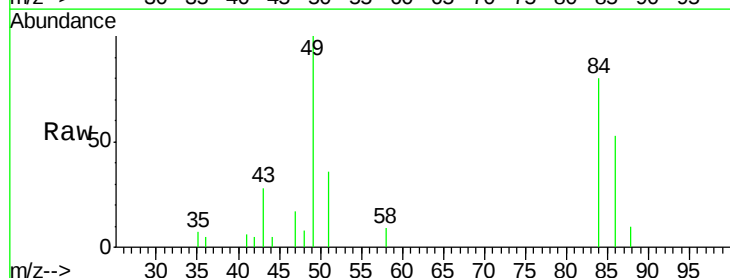
Tgt Ion: 88 Resp: 331

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

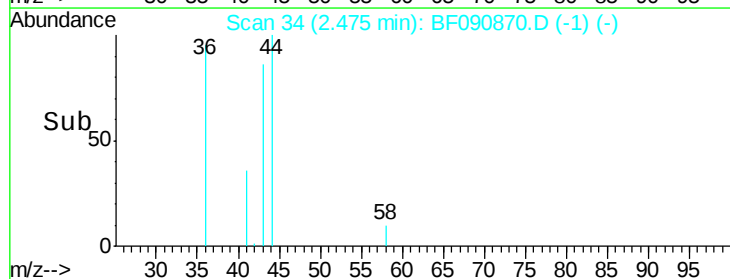
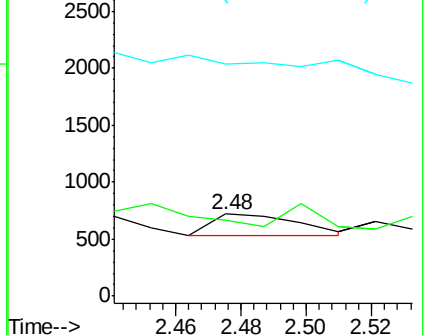
43 0.0 26.6 40.0#

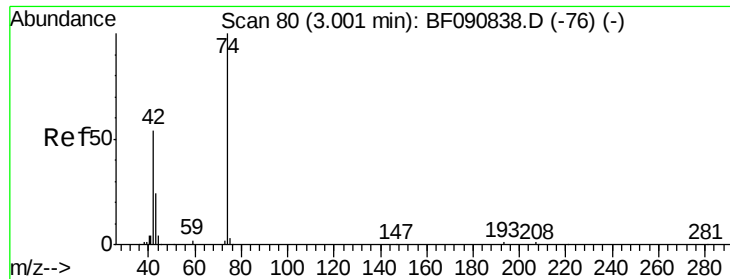


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.07 ng

RT: 3.09 min Scan# 88

Delta R.T. 0.08 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

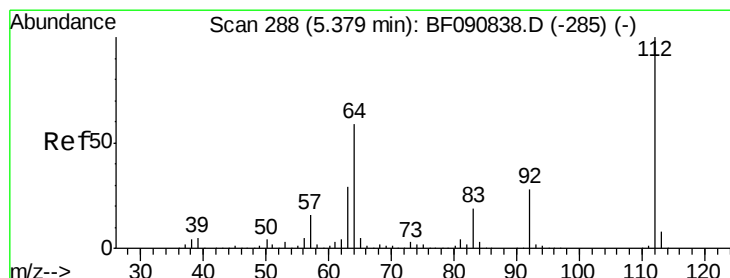
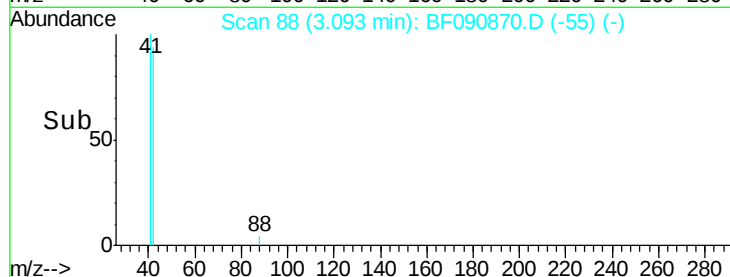
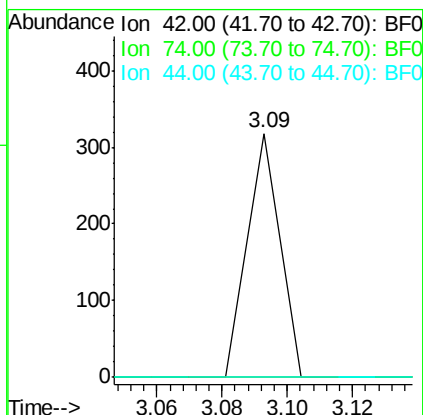
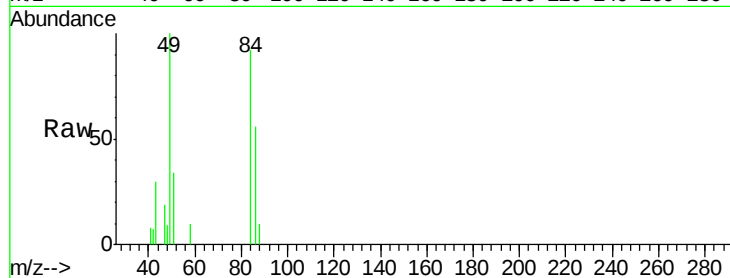
Instrument :

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Tgt Ion:	42	Resp:	218
Ion	Ratio	Lower	Upper
42	100		
74	0.0	105.0	157.6#
44	0.0	6.6	10.0#



#5

2-Fluorophenol

Concen: 13.63 ng

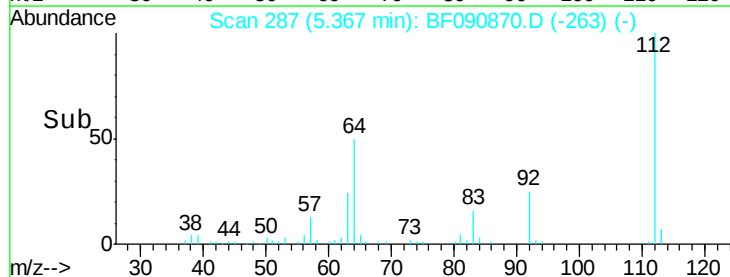
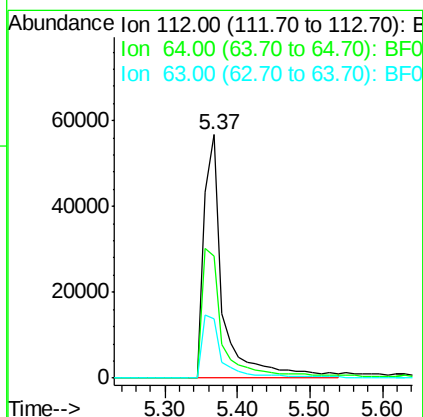
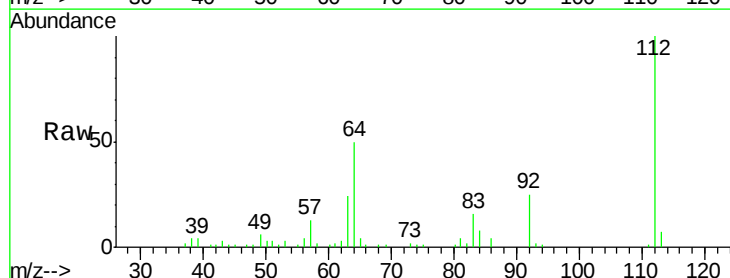
RT: 5.37 min Scan# 287

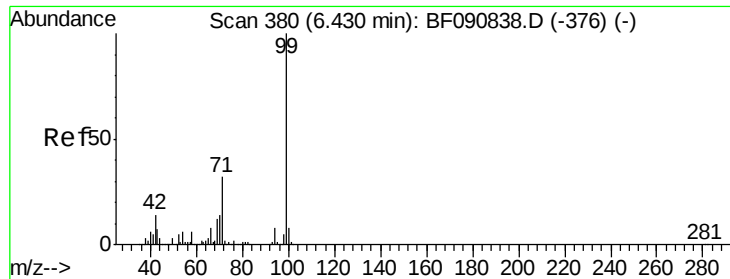
Delta R.T. -0.02 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

Tgt Ion:	112	Resp:	104086
Ion	Ratio	Lower	Upper
112	100		
64	50.4	39.7	59.5
63	24.2	17.4	26.0





#7

Phenol-d6

Concen: 14.89 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

Instrument :

BNA_F

ClientSampleId :

PB94264BL

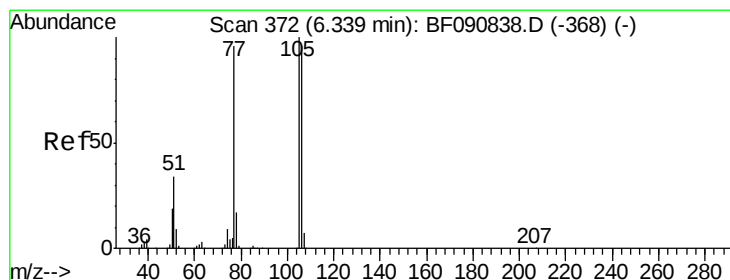
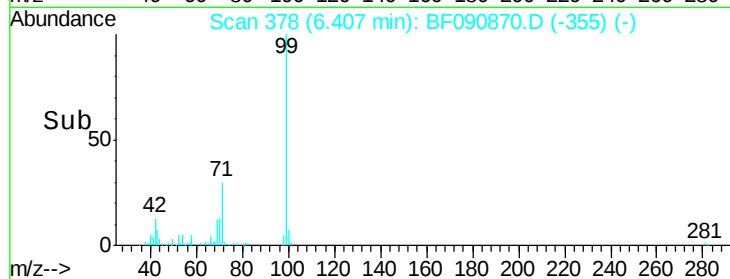
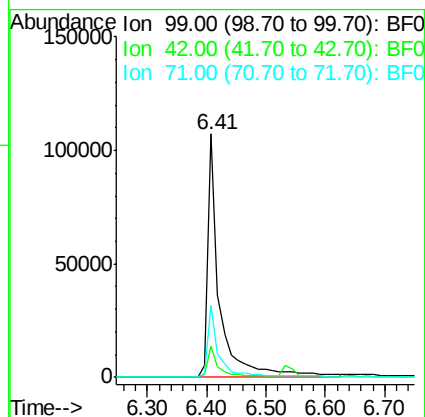
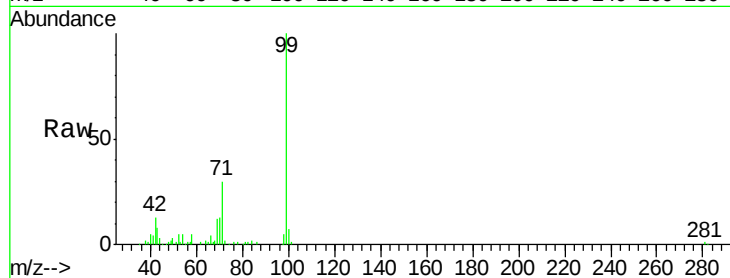
Tgt Ion: 99 Resp: 153379

Ion Ratio Lower Upper

99 100

42 12.7 13.7 20.5#

71 29.8 14.2 21.2#



#9

Benzaldehyde

Concen: 0.49 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.19 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

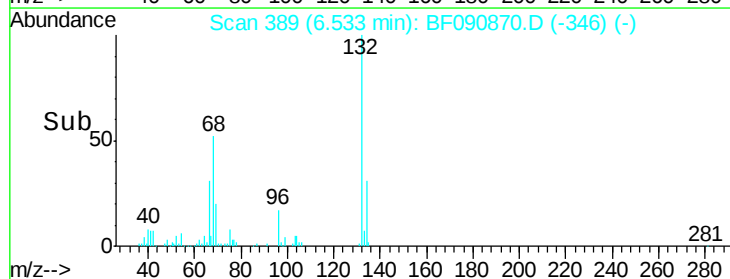
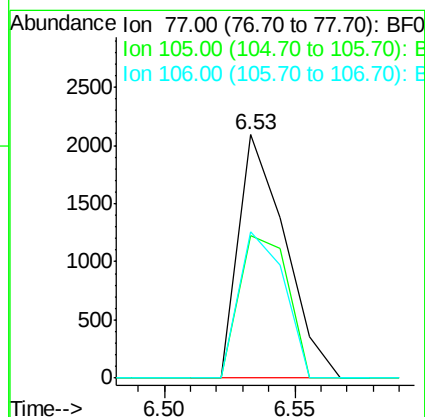
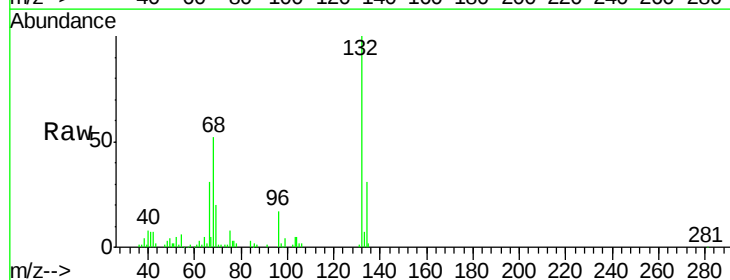
Tgt Ion: 77 Resp: 2622

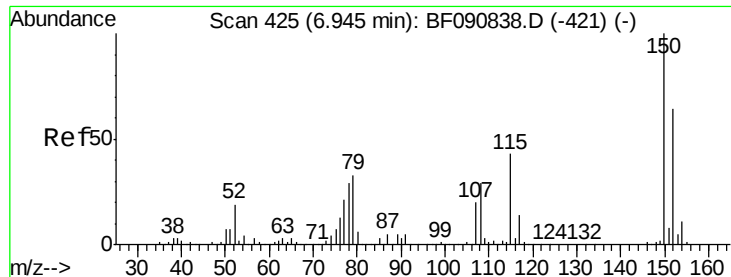
Ion Ratio Lower Upper

77 100

105 58.6 91.6 131.6#

106 60.3 102.6 142.6#

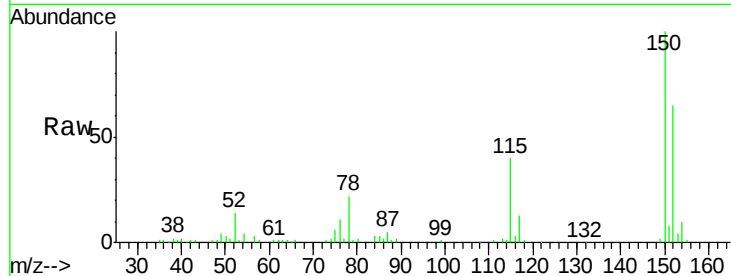




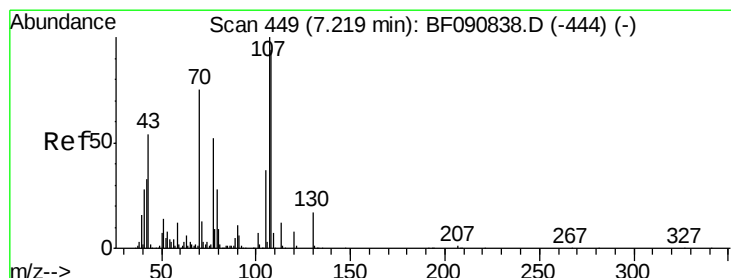
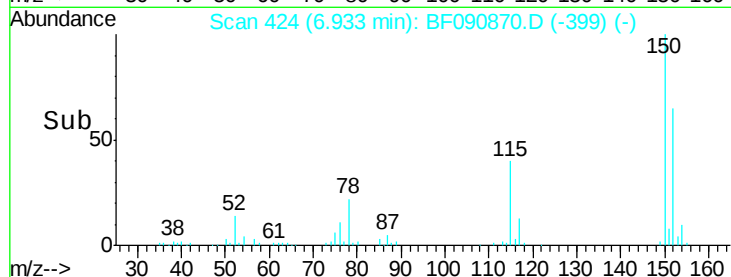
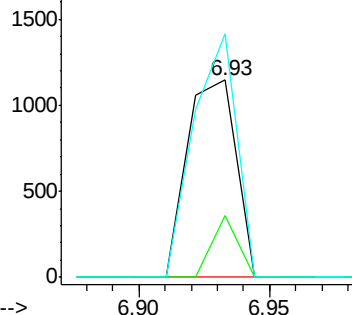
#15
Benzyl Alcohol
Concen: 0.22 ng
RT: 6.93 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF090870.D
Acq: 27 Oct 2016 13:25

Instrument :
BNA_F
ClientSampleId :
PB94264BL

Tgt Ion: 79 Resp: 1513
Ion Ratio Lower Upper
79 100
108 31.3 88.6 132.8#
77 123.6 47.0 70.4#

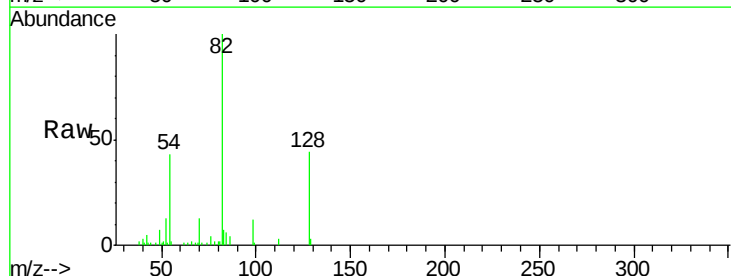


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

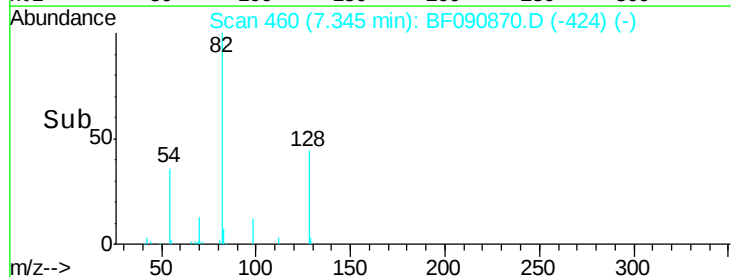
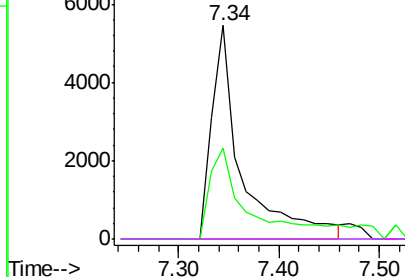


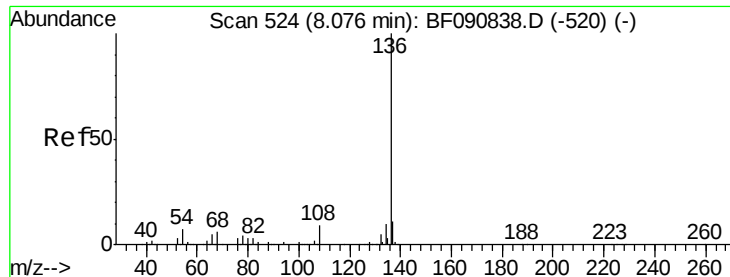
#19
n-Nitroso-di-n-propylamine
Concen: 1.89 ng
RT: 7.34 min Scan# 460
Delta R.T. 0.11 min
Lab File: BF090870.D
Acq: 27 Oct 2016 13:25

Tgt Ion: 70 Resp: 11275
Ion Ratio Lower Upper
70 100
42 42.6 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.02 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

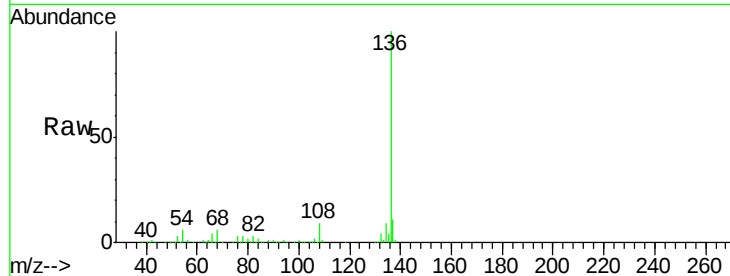
Instrument :

BNA_F

ClientSampleId :

PB94264BL

Tgt Ion:	136	Resp:	547457
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	5.5	8.2	12.2#
68	5.5	5.8	8.6#

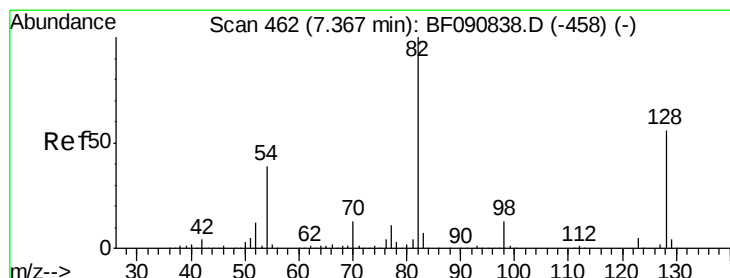
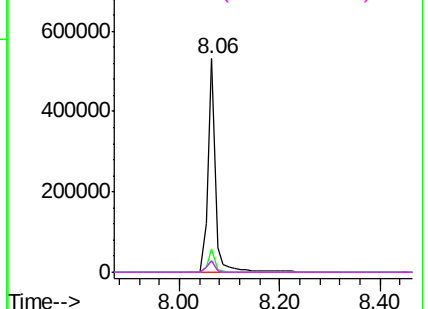
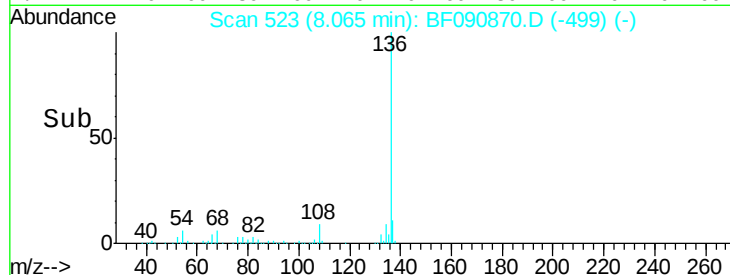


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 10.75 ng

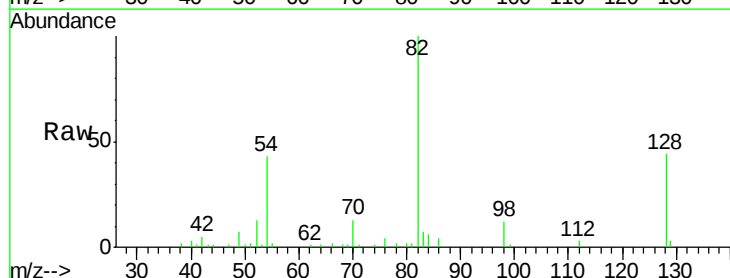
RT: 7.34 min Scan# 460

Delta R.T. -0.02 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

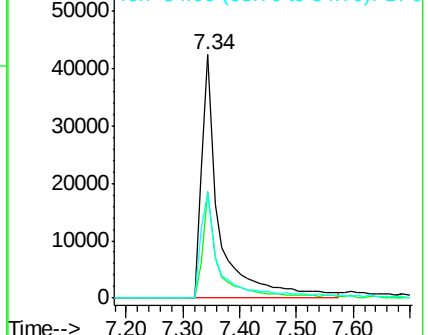
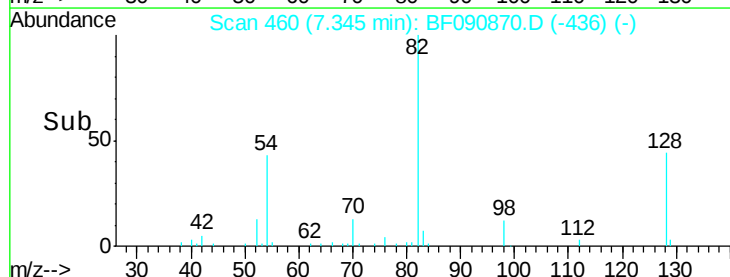
Tgt Ion:	82	Resp:	89937
Ion	Ratio	Lower	Upper
82	100		
128	43.6	51.0	76.6#
54	43.5	47.5	71.3#

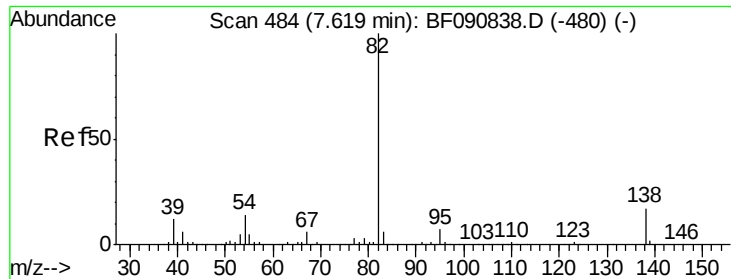


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 3.66 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.29 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

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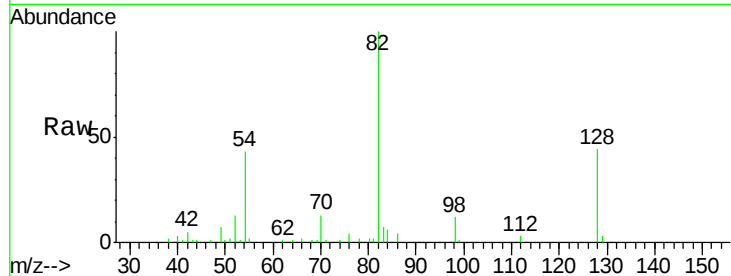
Tgt Ion: 82 Resp: 62109

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

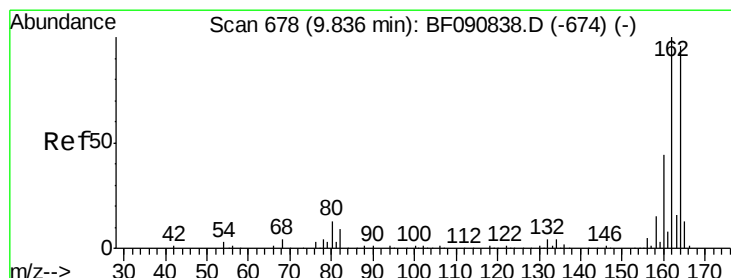
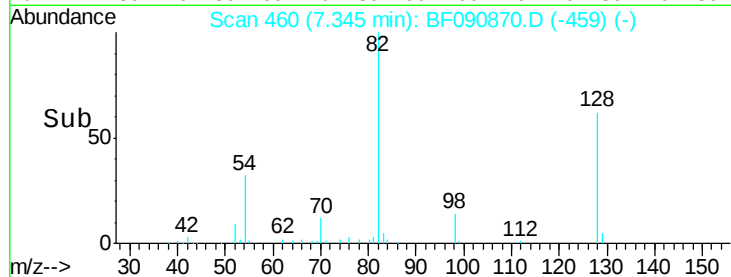
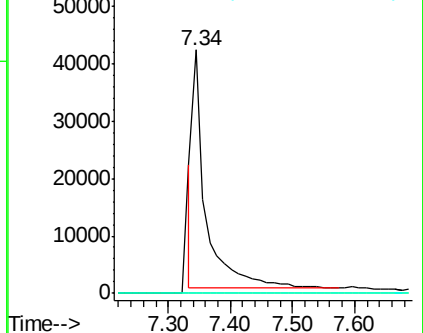
138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.03 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

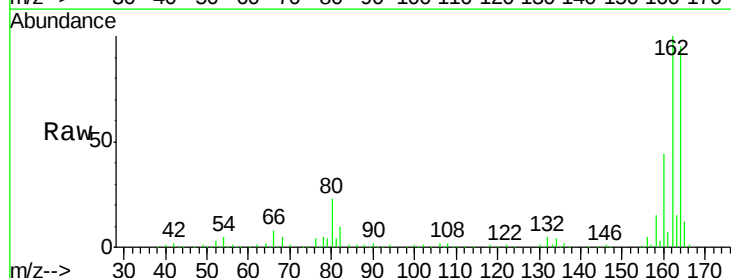
Tgt Ion: 164 Resp: 296465

Ion Ratio Lower Upper

164 100

162 105.3 75.2 112.8

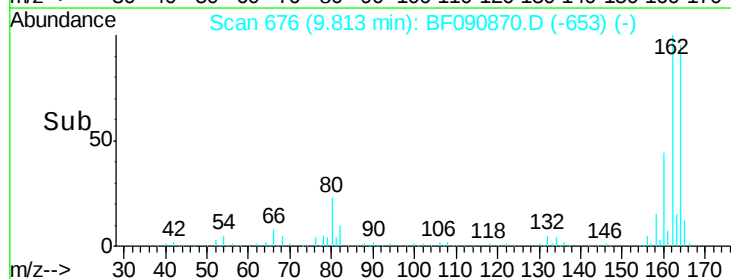
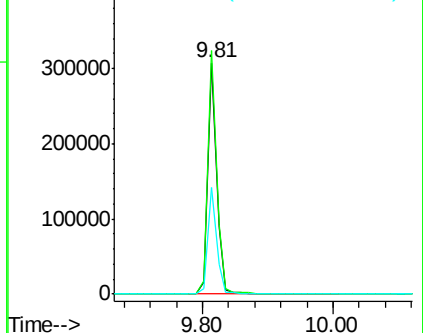
160 46.4 31.5 47.3

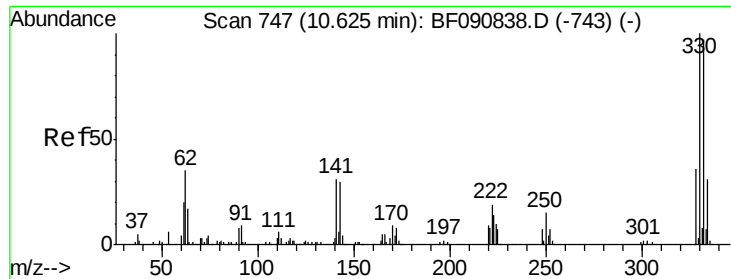


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

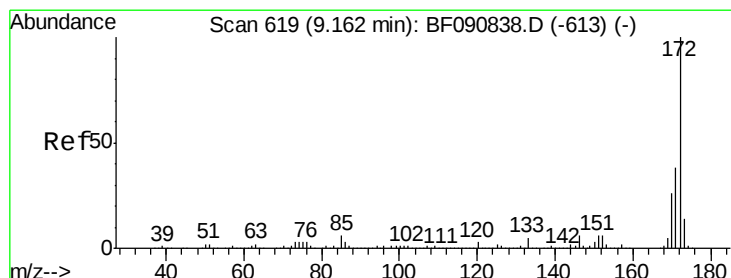
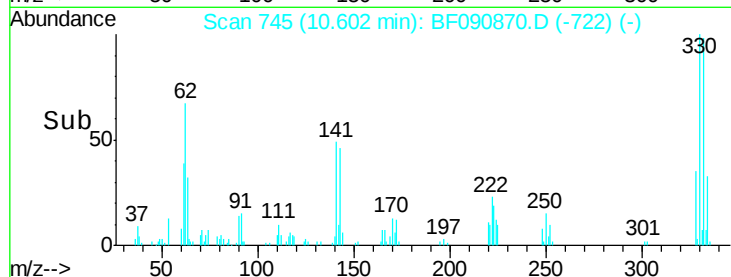
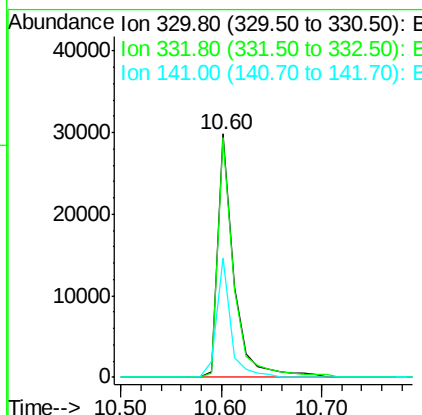
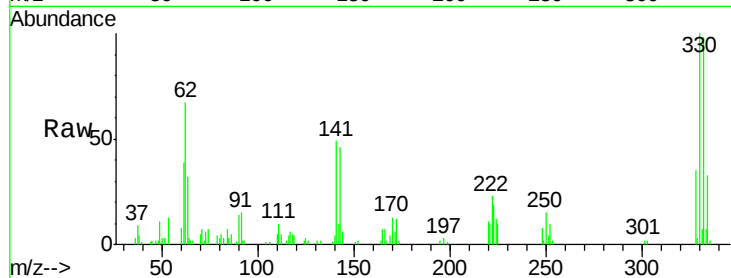




#41
 2,4,6-Tribromophenol
 Concen: 11.02 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.03 min
 Lab File: BF090870.D
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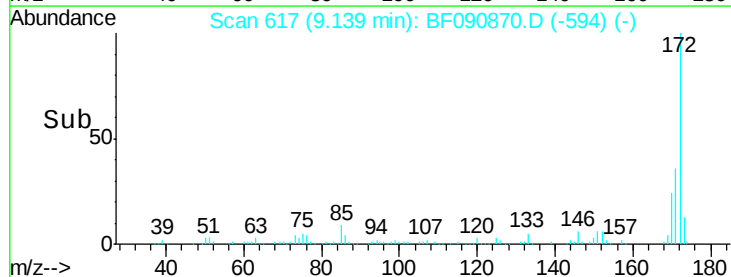
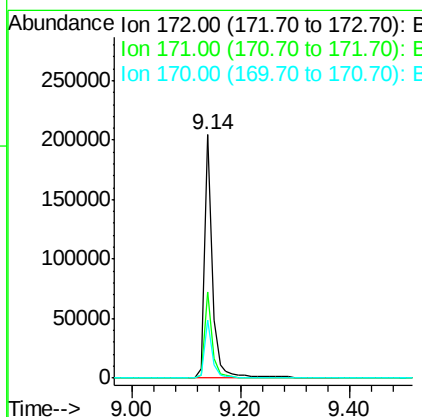
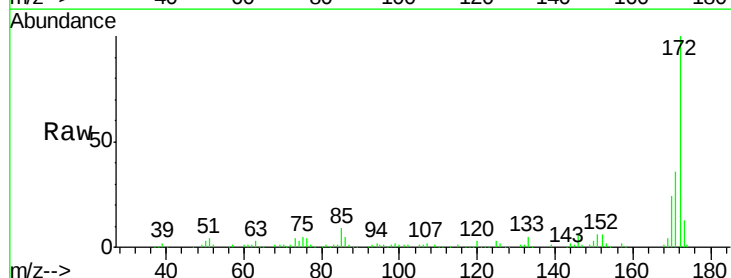
Instrument :
 BNA_F
 ClientSampleId :
 PB94264BL

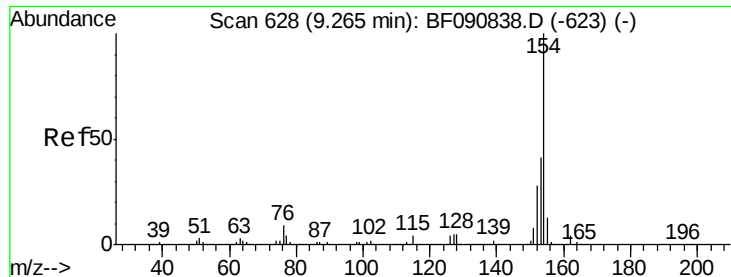
Tgt Ion:330 Resp: 33562
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 114.8
 141 42.6 29.7 44.5



#44
 2-Fluorobiphenyl
 Concen: 12.18 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: BF090870.D
 Acq: 27 Oct 2016 13:25

Tgt Ion:172 Resp: 205705
 Ion Ratio Lower Upper
 172 100
 171 35.5 26.1 39.1
 170 23.8 17.4 26.2

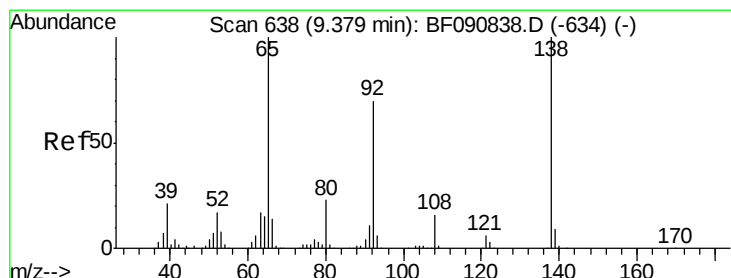
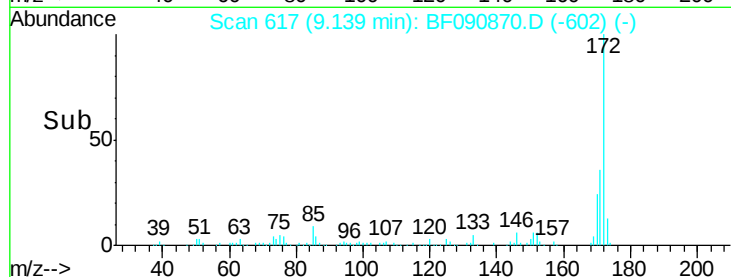
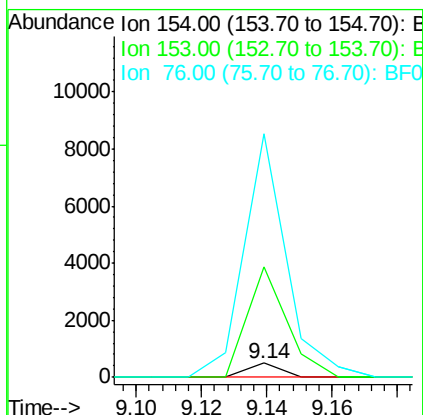
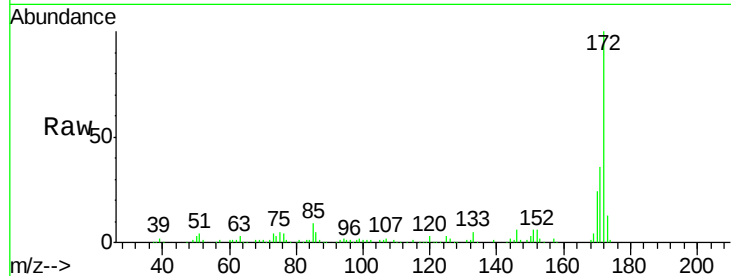




#45
1,1'-Biphenyl
Concen: 0.02 ng
RT: 9.14 min Scan# 617
Delta R.T. -0.13 min
Lab File: BF090870.D
Acq: 27 Oct 2016 13:25

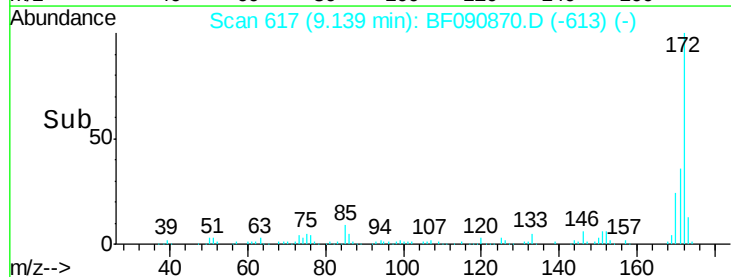
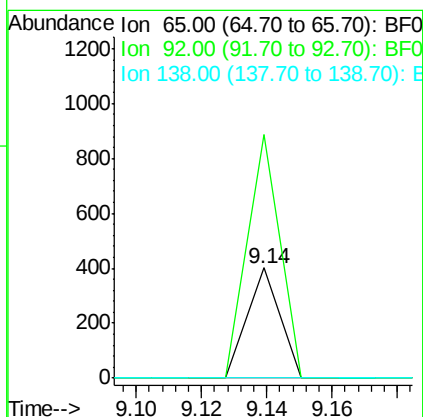
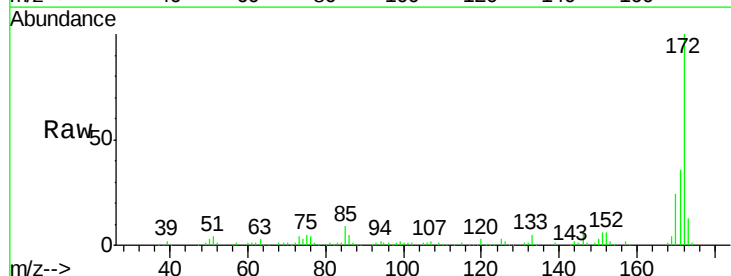
Instrument :
BNA_F
ClientSampled :
PB94264BL

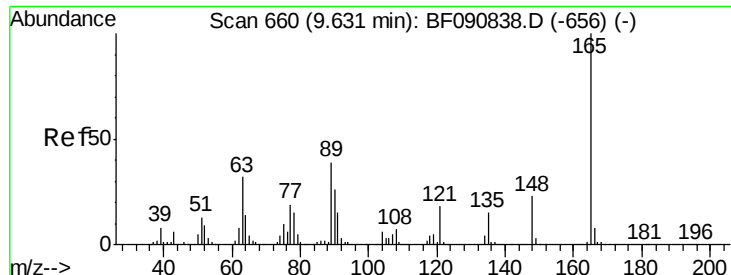
Tgt Ion:154 Resp: 335
Ion Ratio Lower Upper
154 100
153 794.5 17.1 57.1#
76 1748.2 0.0 31.6#



#47
2-Nitroaniline
Concen: 0.06 ng
RT: 9.14 min Scan# 617
Delta R.T. -0.25 min
Lab File: BF090870.D
Acq: 27 Oct 2016 13:25

Tgt Ion: 65 Resp: 276
Ion Ratio Lower Upper
65 100
92 220.6 55.4 83.0#
138 0.0 115.5 173.3#





#50

2,6-Dinitrotoluene

Concen: 8.55 ng

RT: 9.81 min Scan# 676

Delta R.T. 0.18 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

Instrument :

BNA_F

ClientSampleID :

PB94264BL

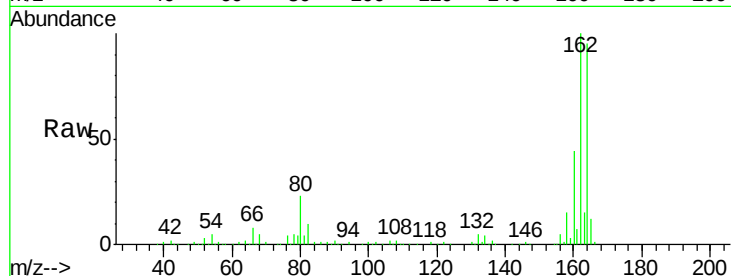
Tgt Ion:165 Resp: 37415

Ion Ratio Lower Upper

165 100

63 0.0 32.3 48.5#

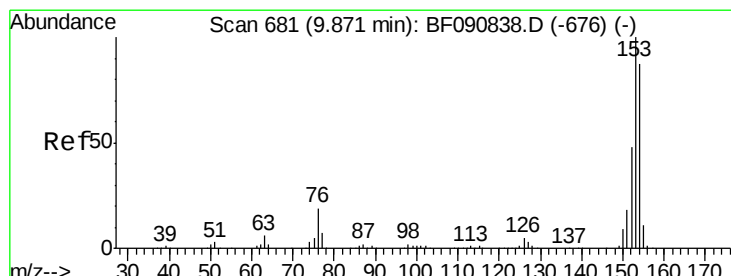
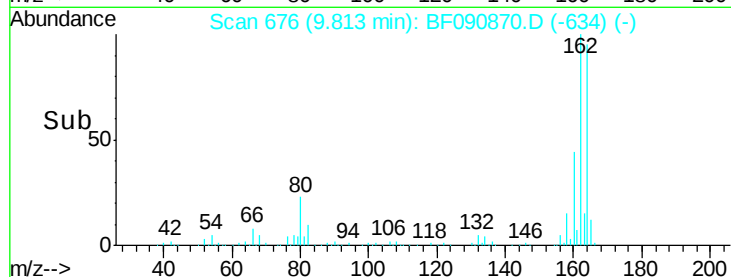
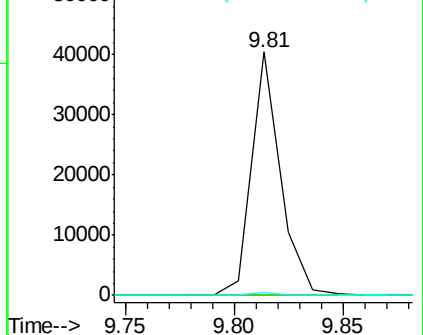
89 1.1 28.6 43.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51

Acenaphthene

Concen: 0.05 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.07 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

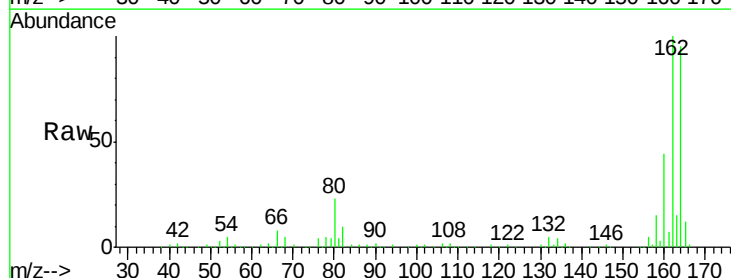
Tgt Ion:154 Resp: 858

Ion Ratio Lower Upper

154 100

153 0.0 82.1 123.1#

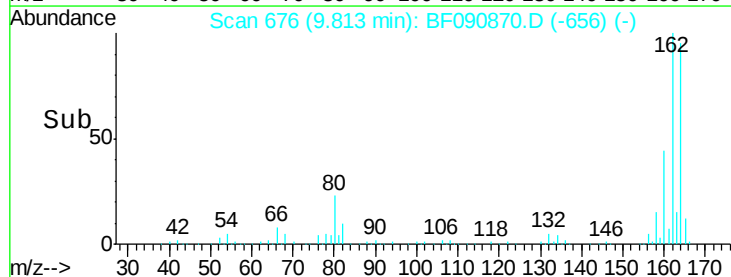
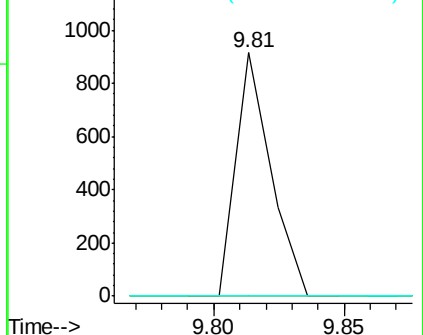
152 0.0 37.9 56.9#

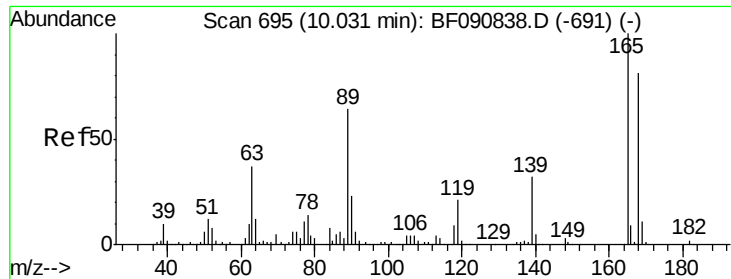


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

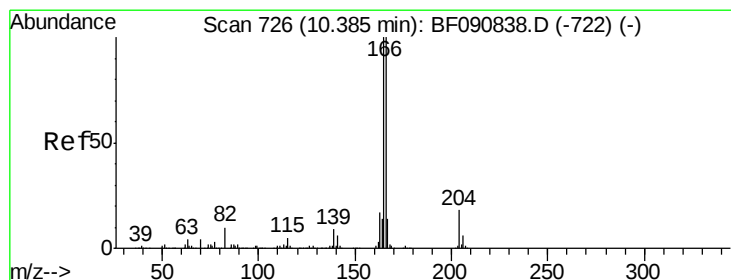
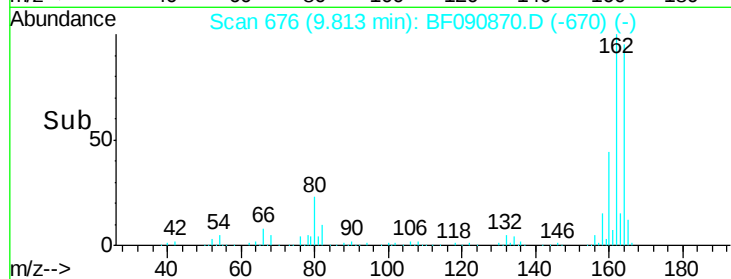
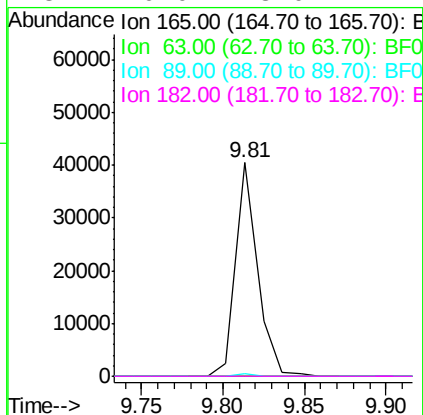
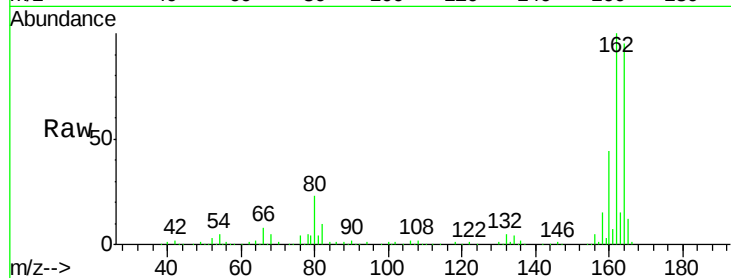




#56
 2,4-Dinitrotoluene
 Concen: 6.88 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.23 min
 Lab File: BF090870.D
 Acq: 27 Oct 2016 13:25

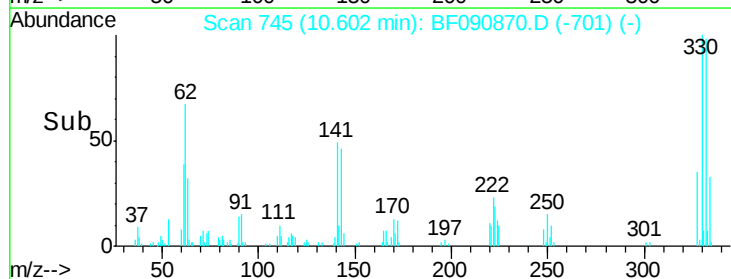
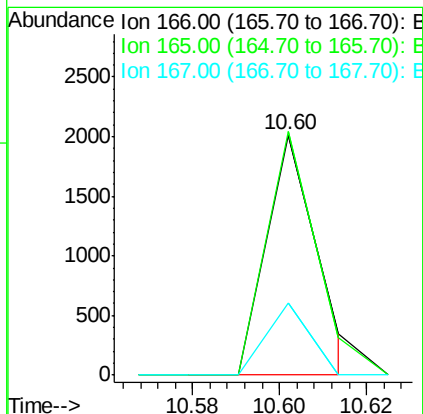
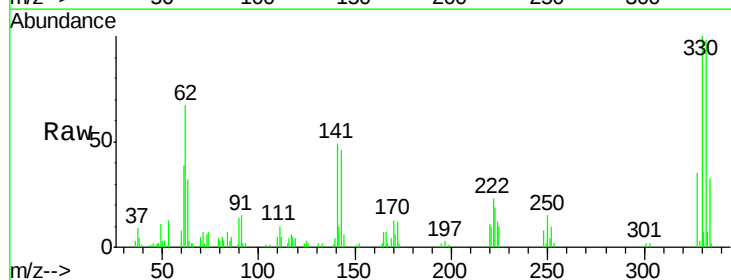
Instrument :
 BNA_F
 ClientSampleId :
 PB94264BL

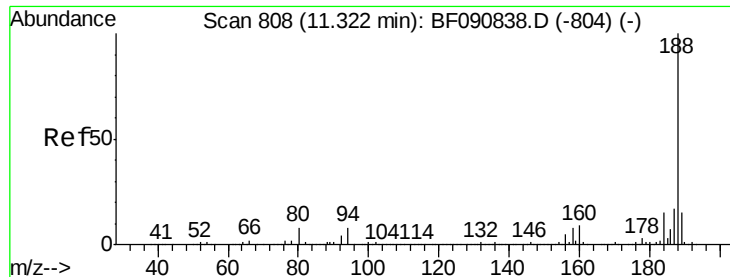
Tgt Ion:	165	Resp:	37410
Ion	Ratio	Lower	Upper
165	100		
63	0.0	29.8	44.6#
89	1.1	44.5	66.7#
182	0.0	3.0	4.4#



#57
 Fluorene
 Concen: 0.09 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.21 min
 Lab File: BF090870.D
 Acq: 27 Oct 2016 13:25

Tgt Ion:	166	Resp:	1619
Ion	Ratio	Lower	Upper
166	100		
165	101.3	72.6	109.0
167	30.1	10.6	16.0#

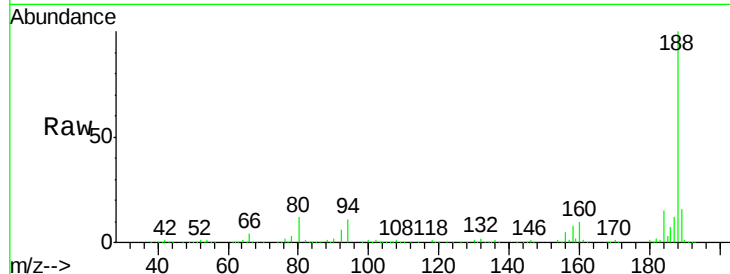




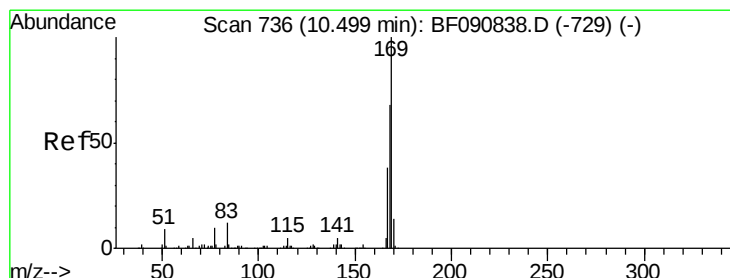
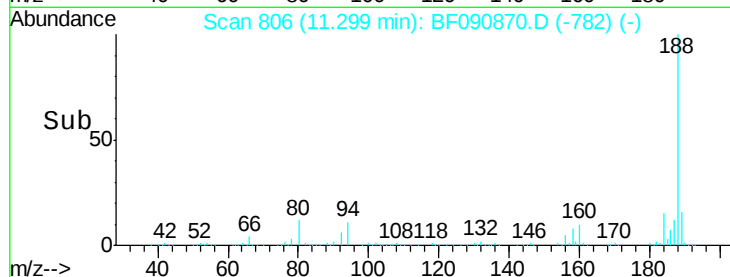
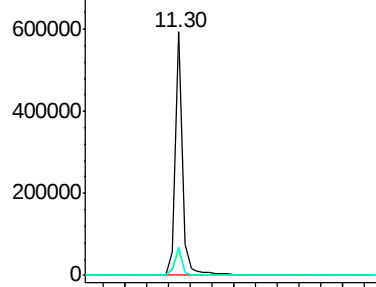
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF090870.D
Acq: 27 Oct 2016 13:25

Instrument :
BNA_F
ClientSampleId :
PB94264BL

Tgt Ion:188 Resp: 547690
Ion Ratio Lower Upper
188 100
94 10.5 11.1 16.7#
80 11.8 11.0 16.4

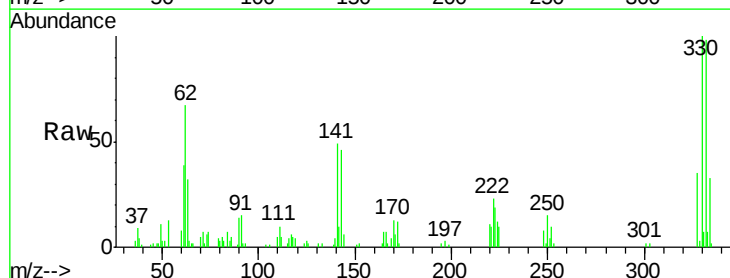


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

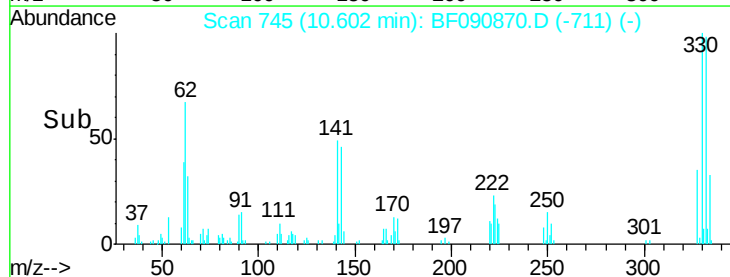
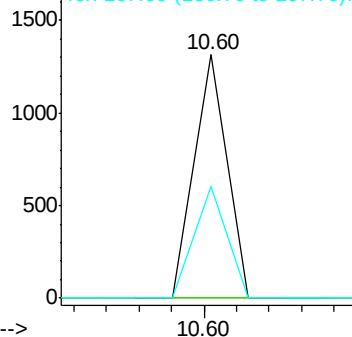


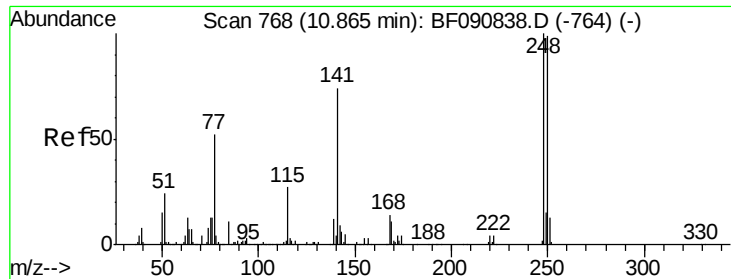
#65
n-Nitrosodiphenylamine
Concen: 0.05 ng
RT: 10.60 min Scan# 745
Delta R.T. 0.09 min
Lab File: BF090870.D
Acq: 27 Oct 2016 13:25

Tgt Ion:169 Resp: 902
Ion Ratio Lower Upper
169 100
168 0.0 48.9 73.3#
167 46.2 26.2 39.4#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

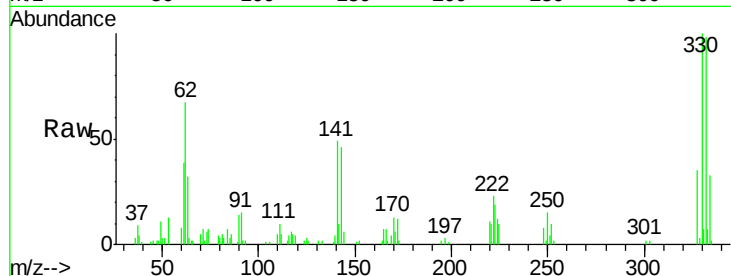




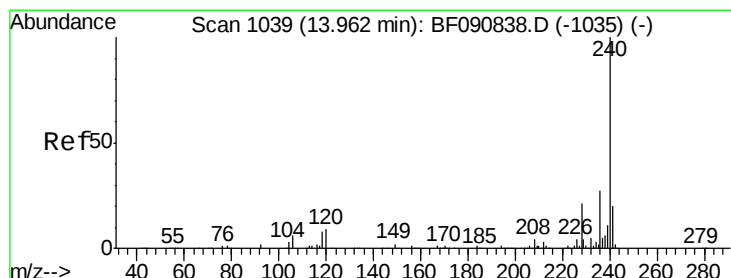
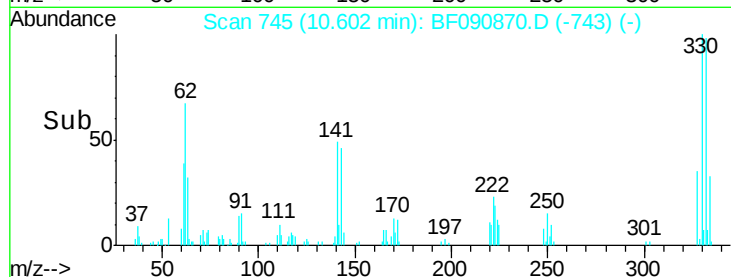
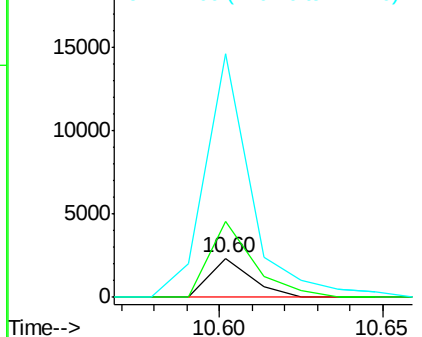
#66
4-Bromophenyl-phenylether
Concen: 0.34 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.27 min
Lab File: BF090870.D
Acq: 27 Oct 2016 13:25

Instrument :
BNA_F
ClientSampleId :
PB94264BL

Tgt Ion:248 Resp: 2037
Ion Ratio Lower Upper
248 100
250 194.2 78.5 117.7#
141 619.1 59.0 88.6#

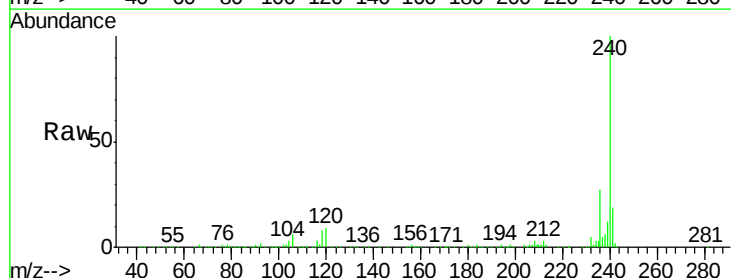


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

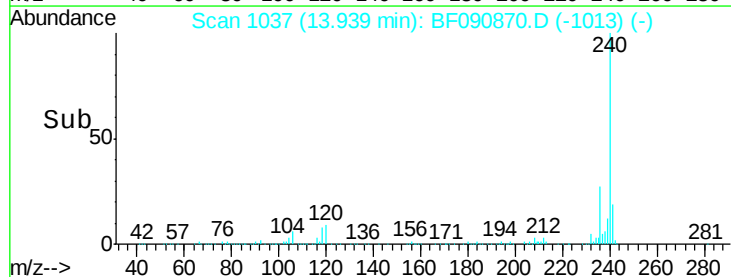
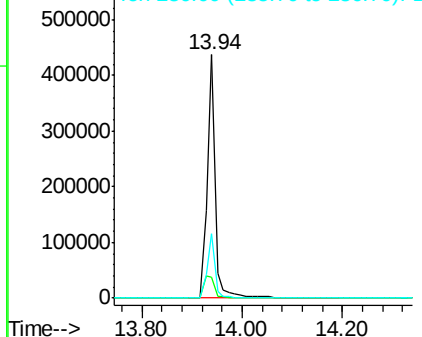


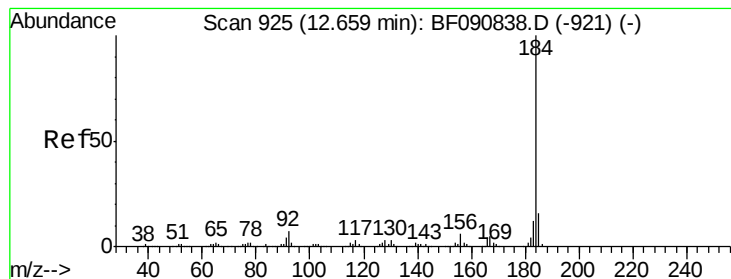
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF090870.D
Acq: 27 Oct 2016 13:25

Tgt Ion:240 Resp: 482181
Ion Ratio Lower Upper
240 100
120 8.8 16.2 24.2#
236 26.7 18.4 27.6



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





#76

Benzidine

Concen: 0.24 ng

RT: 12.89 min Scan# 945

Delta R.T. 0.22 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

Instrument :

BNA_F

ClientSampleId :

PB94264BL

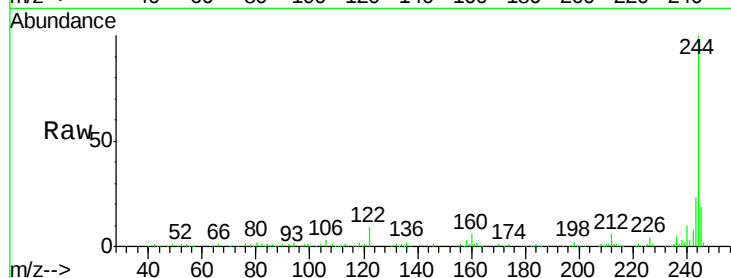
Tgt Ion:184 Resp: 2570

Ion Ratio Lower Upper

184 100

185 15.5 11.8 17.6

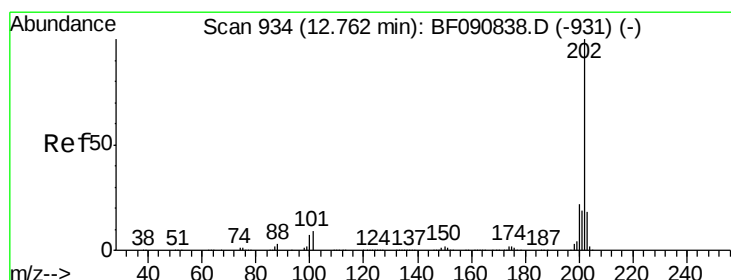
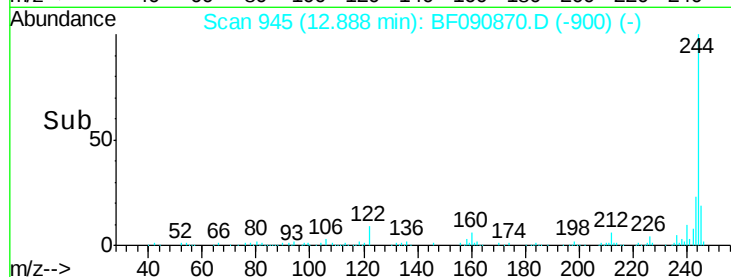
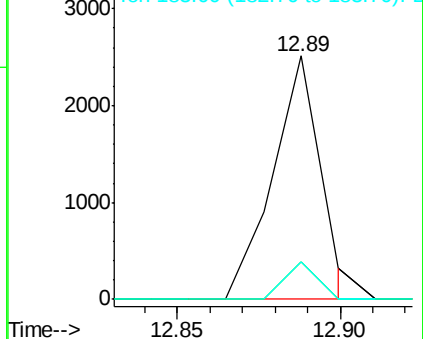
183 15.5 7.6 11.4#



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



#77

Pyrene

Concen: 0.01 ng

RT: 12.89 min Scan# 945

Delta R.T. 0.13 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

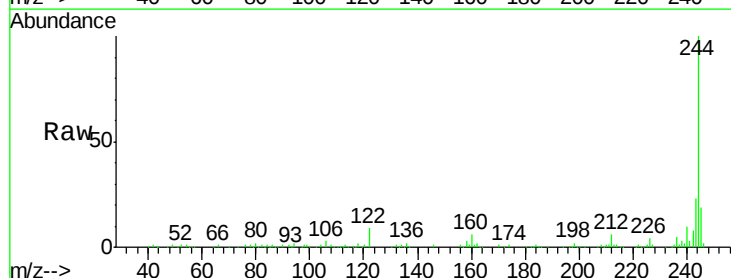
Tgt Ion:202 Resp: 422

Ion Ratio Lower Upper

202 100

200 58.7 15.0 22.4#

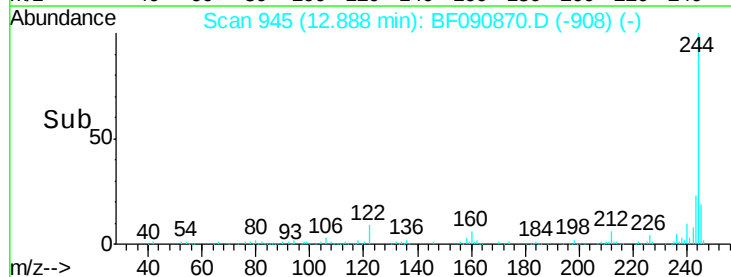
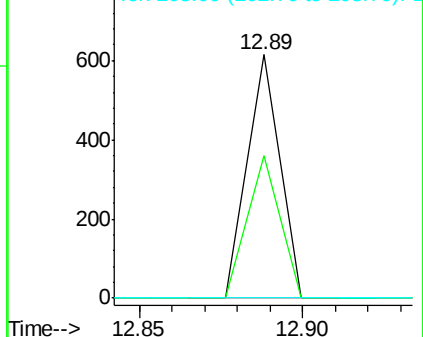
203 0.0 14.1 21.1#

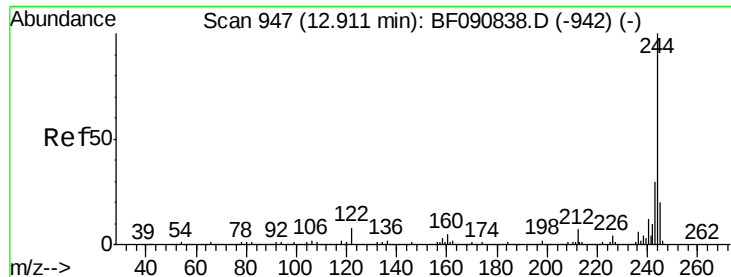


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.29 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

Instrument :

BNA_F

ClientSampled :

PB94264BL

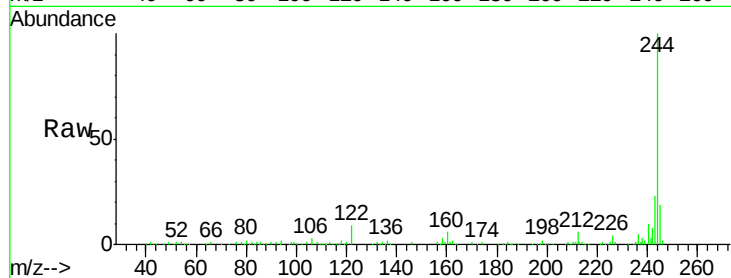
Tgt Ion:244 Resp: 216071

Ion Ratio Lower Upper

244 100

212 6.3 4.3 6.5

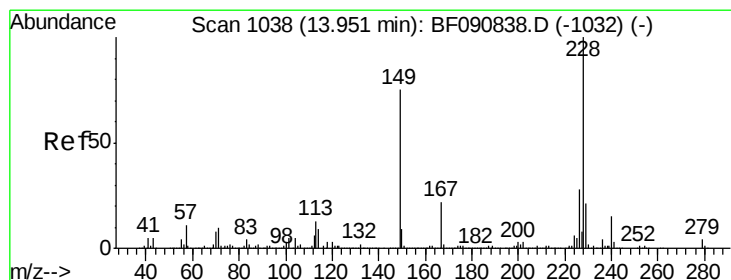
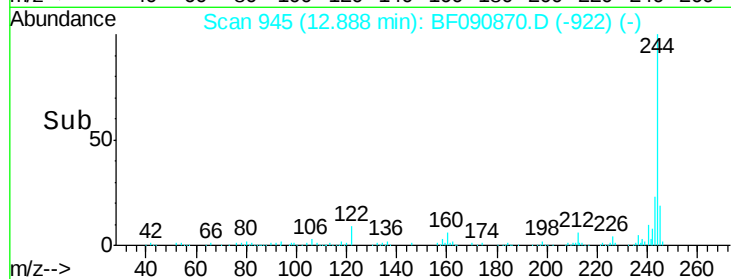
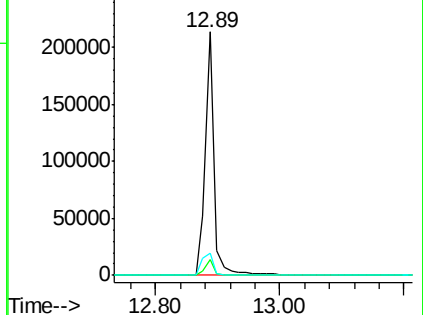
122 9.1 17.4 26.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 0.06 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

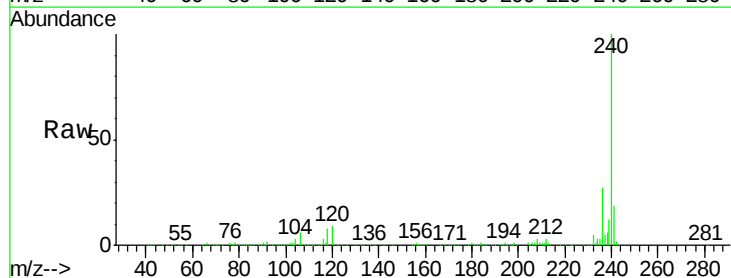
Tgt Ion:228 Resp: 1657

Ion Ratio Lower Upper

228 100

226 0.0 20.0 30.0#

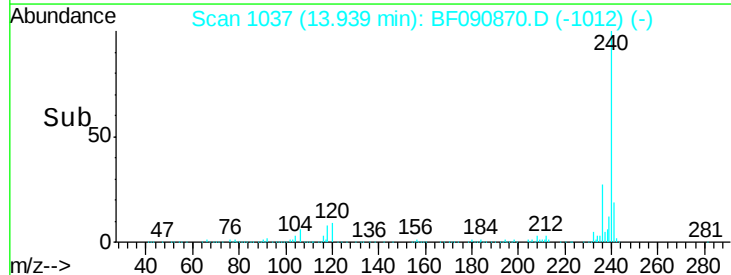
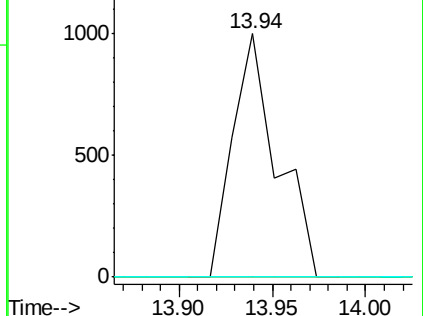
229 0.0 15.4 23.2#

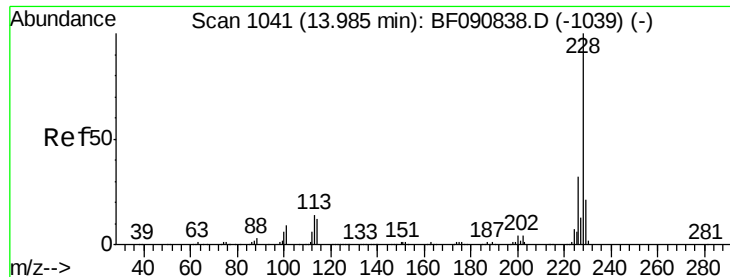


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 0.06 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.06 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

Instrument :

BNA_F

ClientSampleId :

PB94264BL

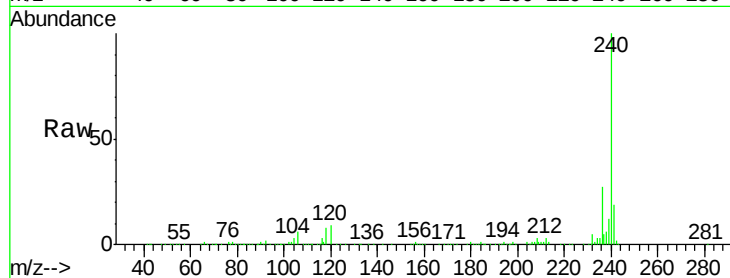
Tgt Ion: 228 Resp: 1657

Ion Ratio Lower Upper

228 100

226 0.0 21.0 31.4#

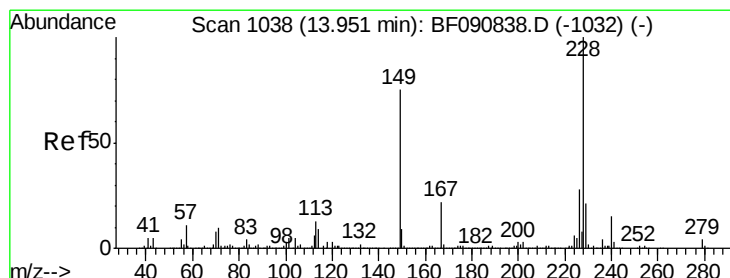
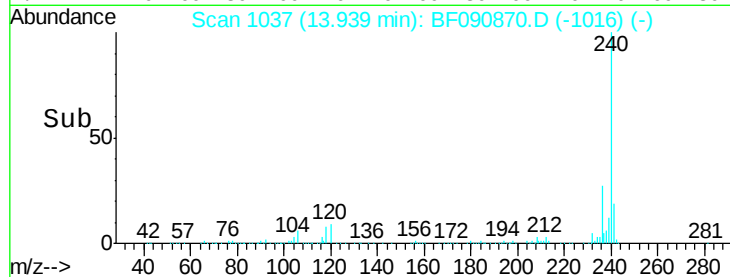
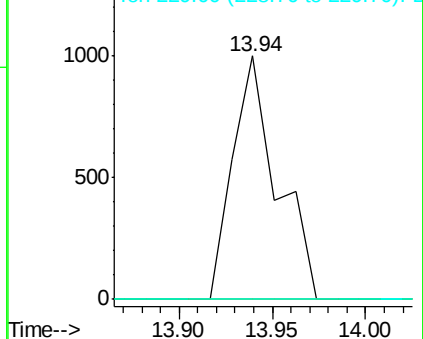
229 0.0 15.6 23.4#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.02 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.13 min

Lab File: BF090870.D

Acq: 27 Oct 2016 13:25

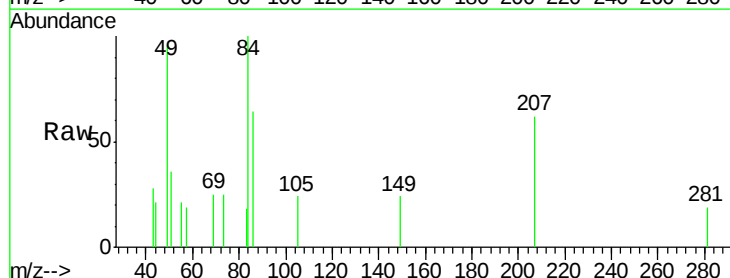
Tgt Ion: 149 Resp: 285

Ion Ratio Lower Upper

149 100

167 0.0 24.2 36.2#

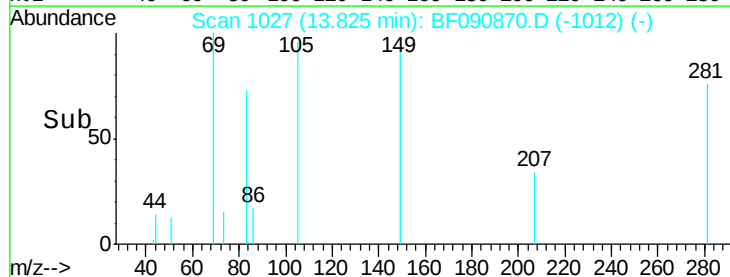
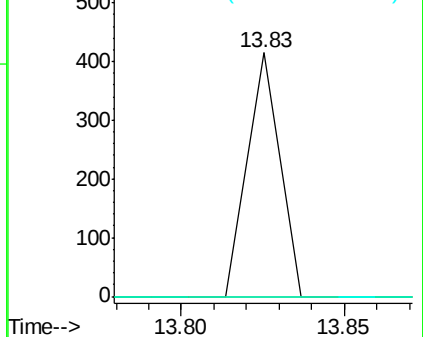
279 0.0 3.8 5.6#

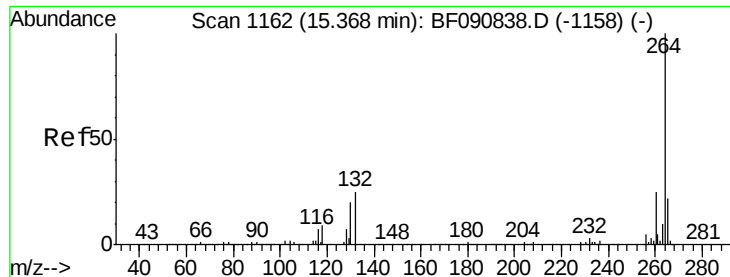


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

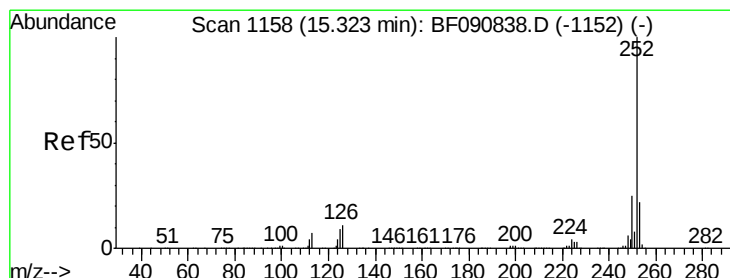
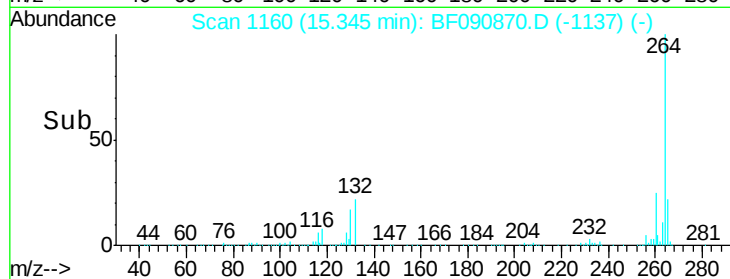
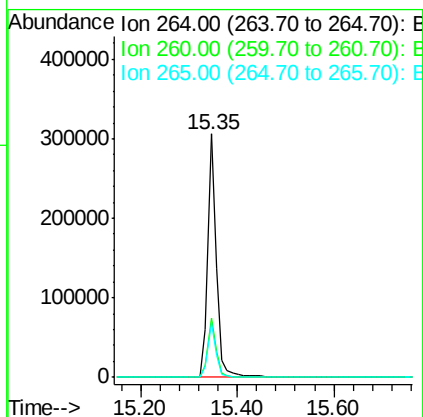
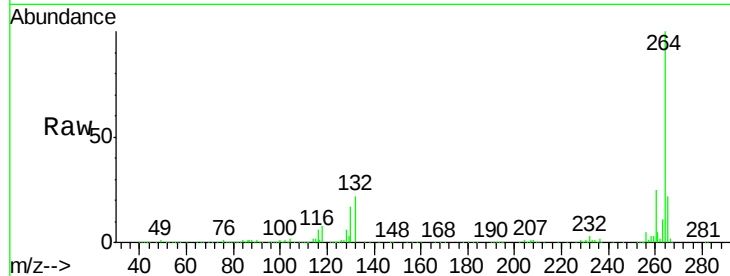




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.03 min
Lab File: BF090870.D
Acq: 27 Oct 2016 13:25

Instrument :
BNA_F
ClientSampleId :
PB94264BL

Tgt Ion:264 Resp: 385140
Ion Ratio Lower Upper
264 100
260 24.6 16.7 25.1
265 22.1 17.2 25.8



#89
Benzo(a)pyrene
Concen: 0.05 ng
RT: 15.35 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BF090870.D
Acq: 27 Oct 2016 13:25

Tgt Ion:252 Resp: 1173
Ion Ratio Lower Upper
252 100
253 30.3 17.2 25.8#
125 27.6 18.0 27.0#

