

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061216\
 Data File : BF087957.D
 Acq On : 12 Jun 2016 19:32
 Operator : UM/SJ
 Sample : H3440-06
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-16

Quant Time: Jun 13 05:00:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 02:17:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	115152	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	469145	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	219311	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	425065	20.00	ng	0.00
75) Chrysene-d12	13.95	240	311821	20.00	ng	-0.01
86) Perylene-d12	15.37	264	243453	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	440755	65.43	ng	0.00
7) Phenol-d6	6.43	99	380814	46.65	ng	-0.01
23) Nitrobenzene-d5	7.37	82	618696	77.01	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	279184	120.56	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1267585	91.20	ng	-0.01
78) Terphenyl-d14	12.91	244	1030767	75.22	ng	-0.01

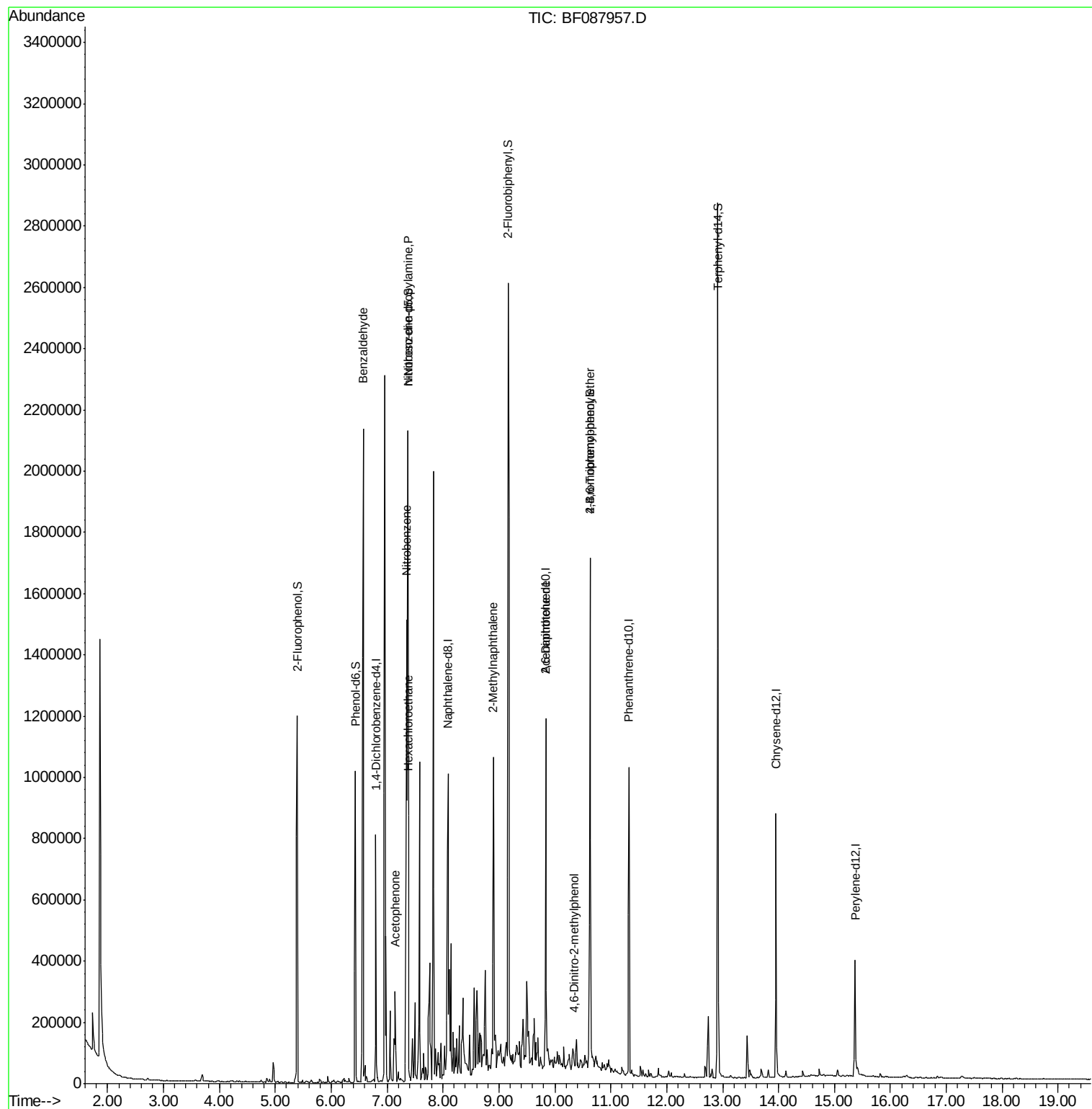
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	16245	2.81	ng	# 75
10) Phenol	6.44	94	504	Below Cal		# 45
18) Hexachloroethane	7.38	117	448989	146.84	ng	# 14
19) n-Nitroso-di-n-propylamine	7.37	70	83348	15.96	ng	# 73
22) Acetophenone	7.14	105	84989	8.11	ng	# 74
24) Nitrobenzene	7.35	77	60657	7.79	ng	# 15
37) 2-Methylnaphthalene	8.90	142	271372	17.73	ng	95
45) 1,1'-Biphenyl	9.37	154	647	Below Cal		# 1
50) 2,6-Dinitrotoluene	9.84	165	29279	8.05	ng	# 44
57) Fluorene	10.39	166	23967	Below Cal		99
64) 4,6-Dinitro-2-methylphenol	10.34	198	1380	2.66	ng	82
66) 4-Bromophenyl-phenylether	10.63	248	16436	3.60	ng	# 1

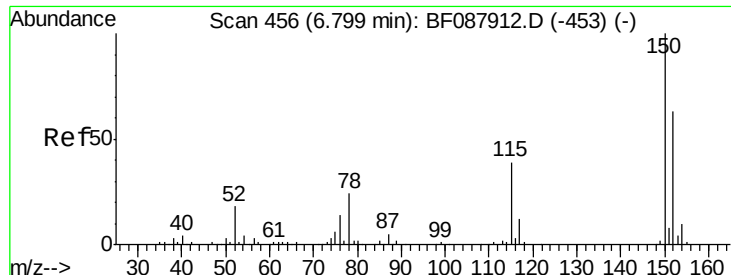
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 456

Delta R.T. 0.00 min

Lab File: BF087957.D

Acq: 12 Jun 2016 19:32

Instrument :

BNA_F

ClientSampleId :

W-16

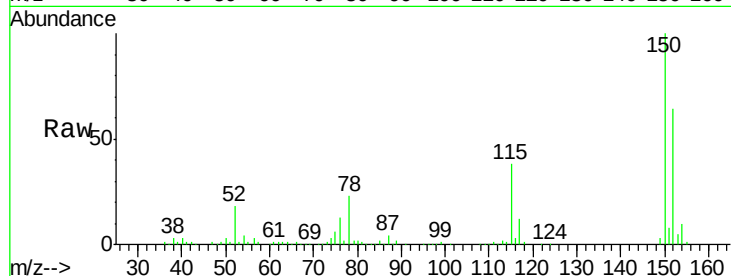
Tgt Ion:152 Resp: 115152

Ion Ratio Lower Upper

152 100

150 155.9 123.8 185.6

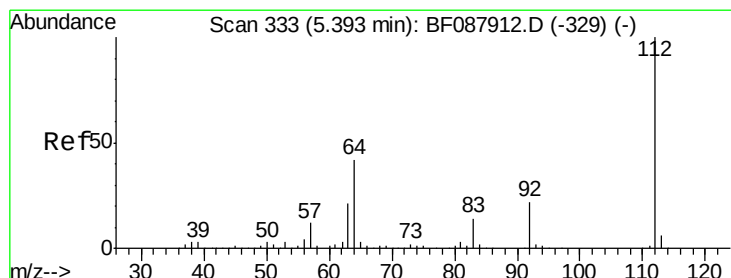
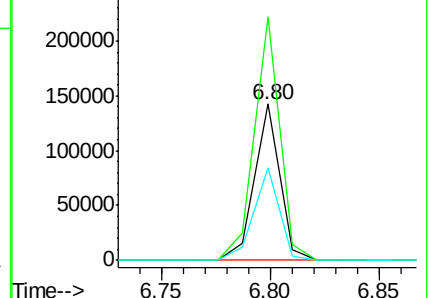
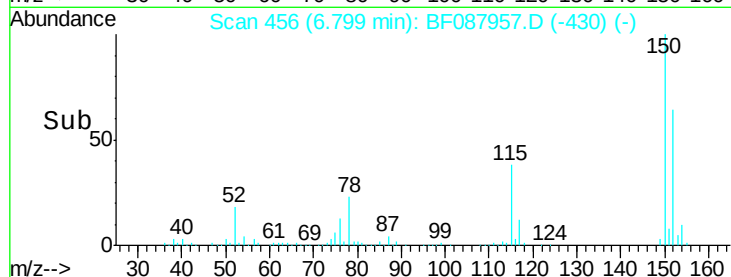
115 59.3 39.6 59.4



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



#5

2-Fluorophenol

Concen: 65.43 ng

RT: 5.39 min Scan# 333

Delta R.T. 0.00 min

Lab File: BF087957.D

Acq: 12 Jun 2016 19:32

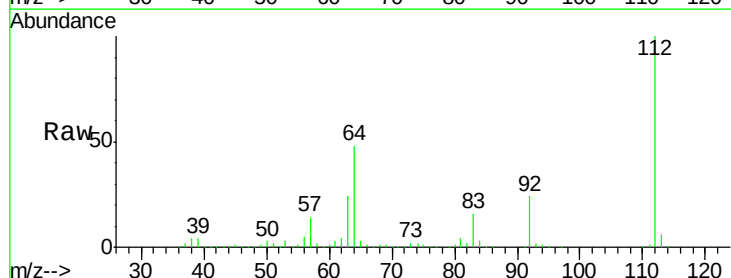
Tgt Ion:112 Resp: 440755

Ion Ratio Lower Upper

112 100

64 47.9 42.2 63.2

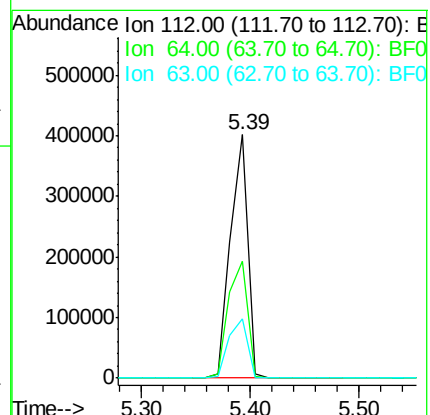
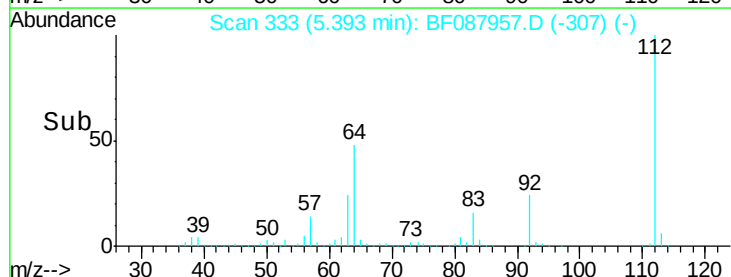
63 24.2 21.8 32.8

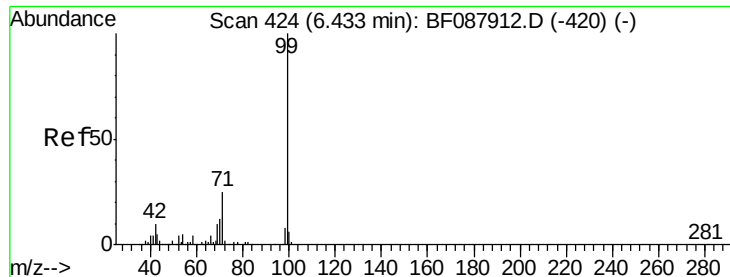


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.65 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF087957.D

Acq: 12 Jun 2016 19:32

Instrument :

BNA_F

ClientSampled :

W-16

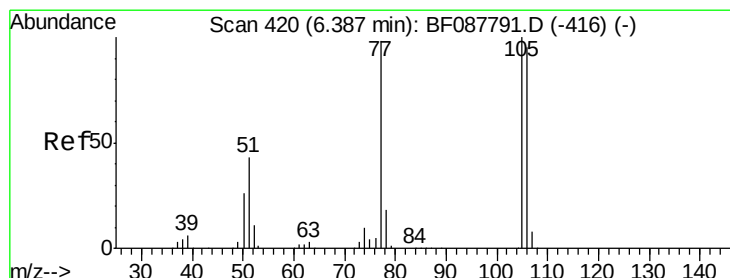
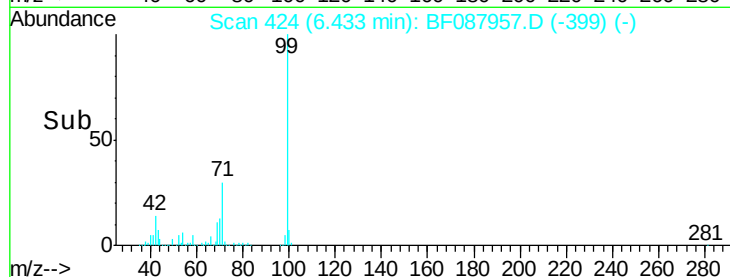
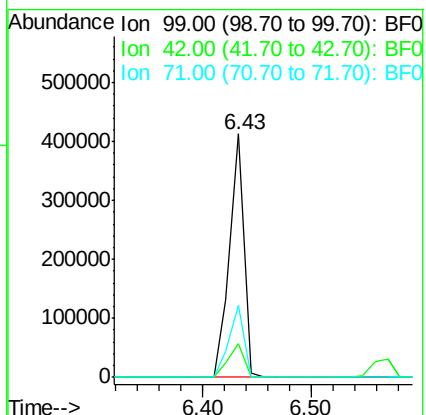
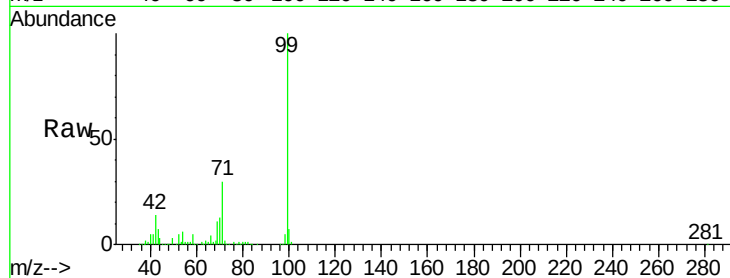
Tgt Ion: 99 Resp: 380814

Ion Ratio Lower Upper

99 100

42 13.7 12.2 18.2

71 29.5 23.4 35.0



#9

Benzaldehyde

Concen: 2.81 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.23 min

Lab File: BF087957.D

Acq: 12 Jun 2016 19:32

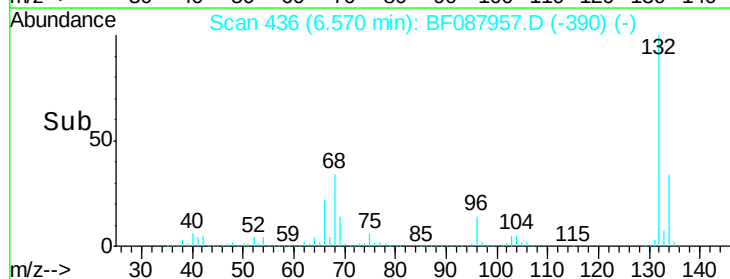
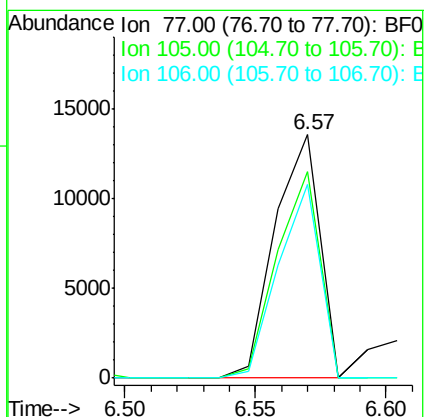
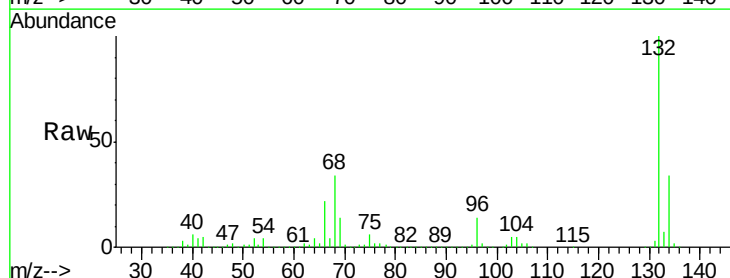
Tgt Ion: 77 Resp: 16245

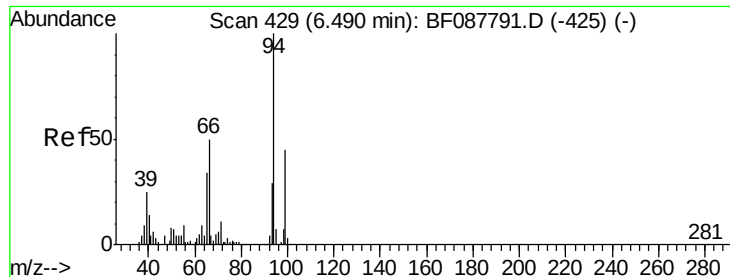
Ion Ratio Lower Upper

77 100

105 84.6 90.6 130.6#

106 79.7 85.3 125.3#





#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF087957.D

Acq: 12 Jun 2016 19:32

Instrument :

BNA_F

ClientSampleId :

W-16

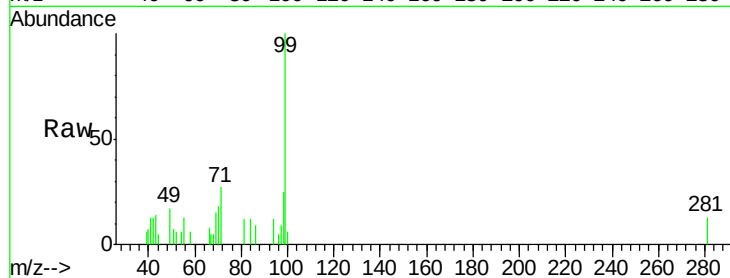
Tgt Ion: 94 Resp: 504

Ion Ratio Lower Upper

94 100

65 0.0 5.9 45.9#

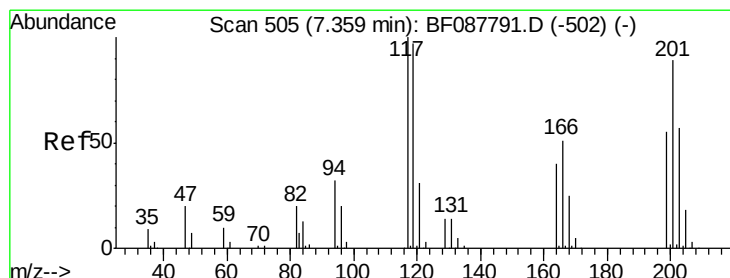
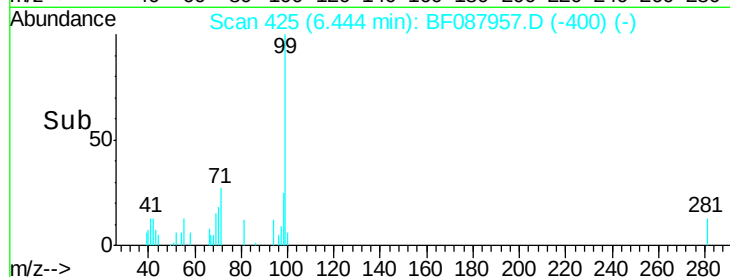
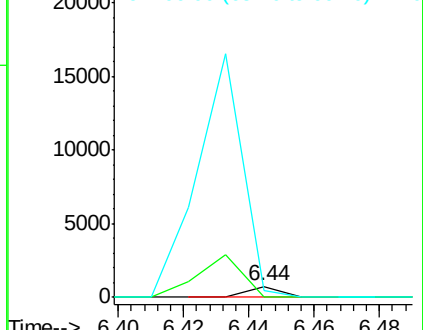
66 67.3 14.0 54.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#18

Hexachloroethane

Concen: 146.84 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.06 min

Lab File: BF087957.D

Acq: 12 Jun 2016 19:32

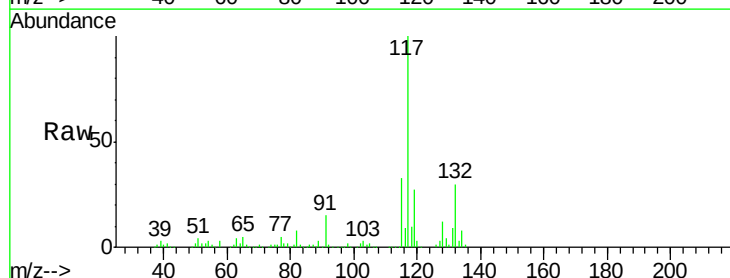
Tgt Ion: 117 Resp: 448989

Ion Ratio Lower Upper

117 100

119 27.4 77.4 116.2#

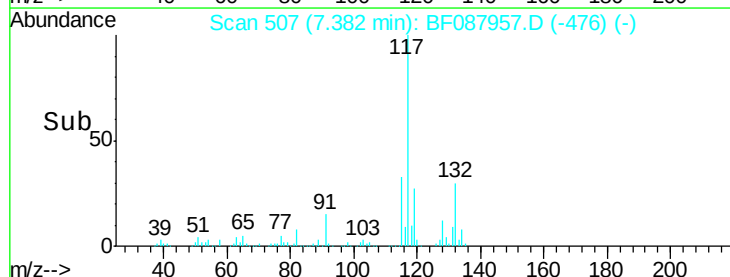
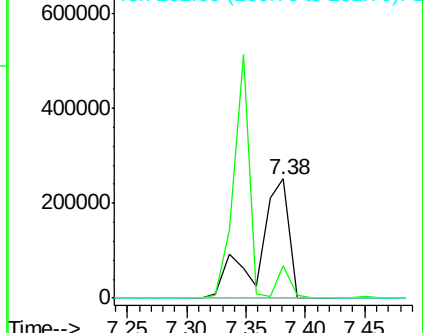
201 0.0 80.4 120.6#

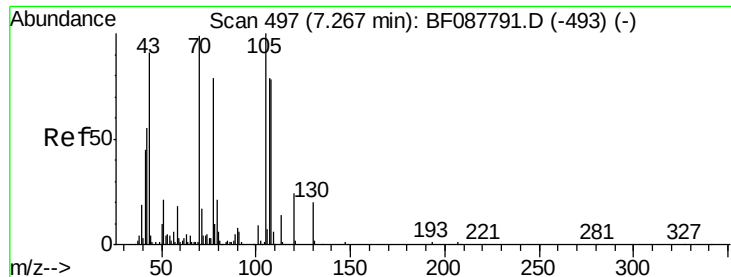


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

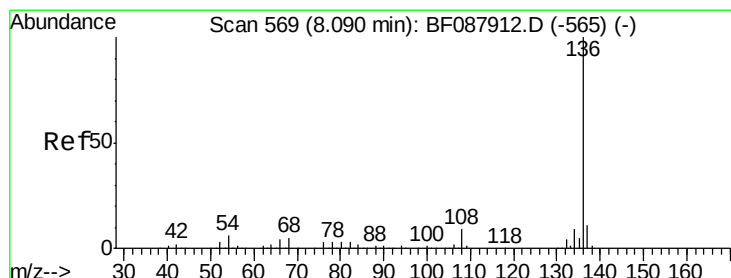
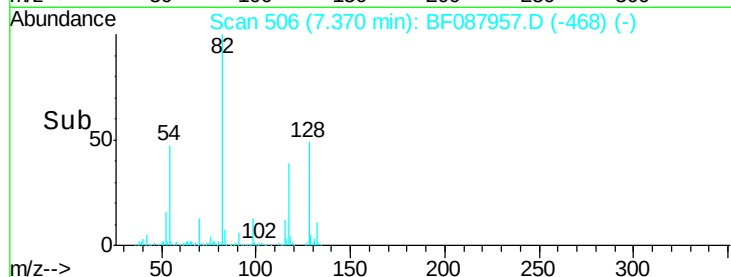
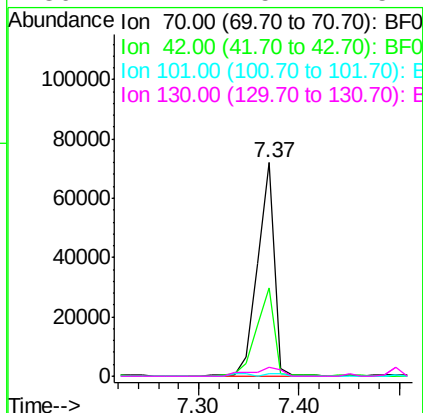
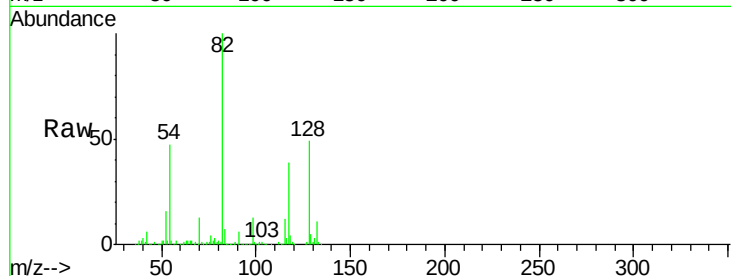




#19
n-Nitroso-di-n-propylamine
Concen: 15.96 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.14 min
Lab File: BF087957.D
Acq: 12 Jun 2016 19:32

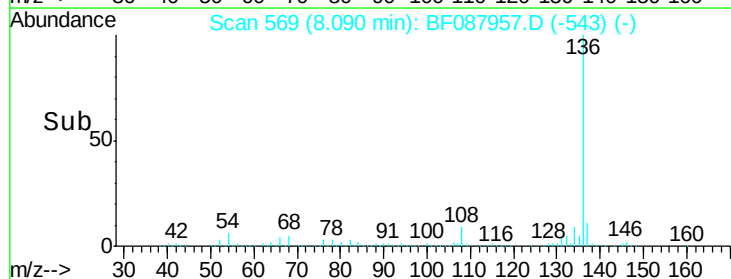
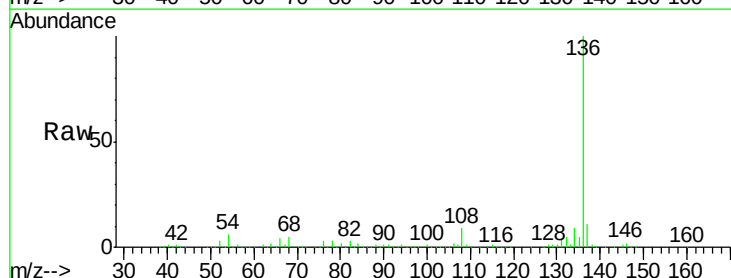
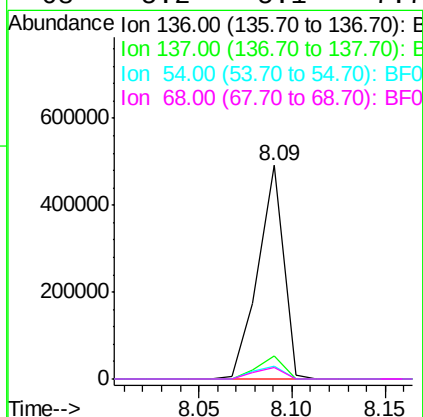
Instrument :
BNA_F
ClientSampled :
W-16

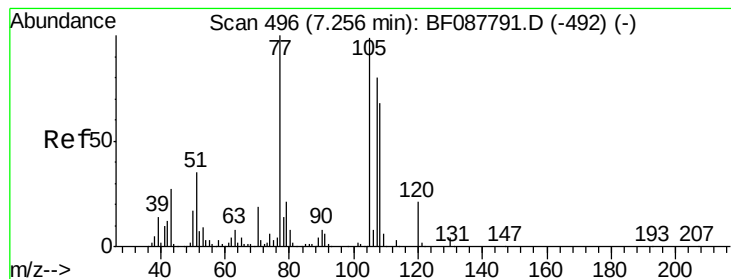
Tgt Ion: 70 Resp: 83348
Ion Ratio Lower Upper
70 100
42 41.5 49.6 74.4#
101 1.3 7.1 10.7#
130 4.4 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. 0.00 min
Lab File: BF087957.D
Acq: 12 Jun 2016 19:32

Tgt Ion: 136 Resp: 469145
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 6.0 6.6 10.0#
68 5.2 5.1 7.7





#22

Acetophenone

Concen: 8.11 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.08 min

Lab File: BF087957.D

Acq: 12 Jun 2016 19:32

Instrument :

BNA_F

ClientSampleId :

W-16

Tgt Ion: 105 Resp: 84989

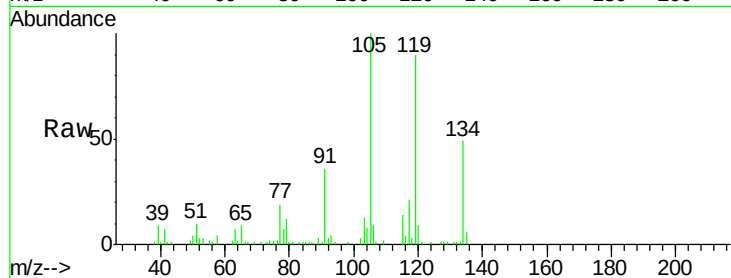
Ion Ratio Lower Upper

105 100

71 0.7 5.3 7.9#

51 9.5 18.2 27.4#

120 9.3 18.0 27.0#

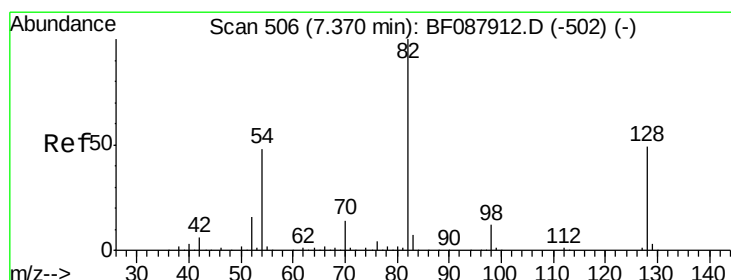
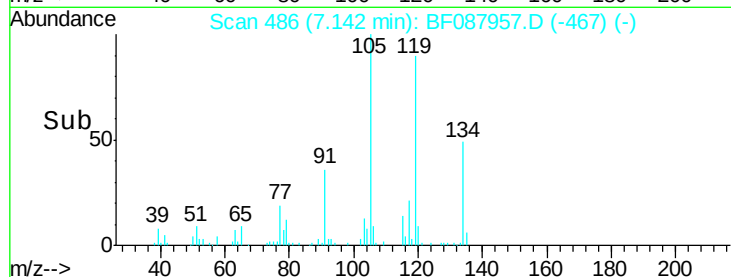
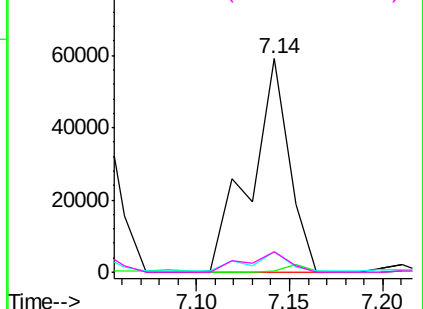


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 77.01 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.00 min

Lab File: BF087957.D

Acq: 12 Jun 2016 19:32

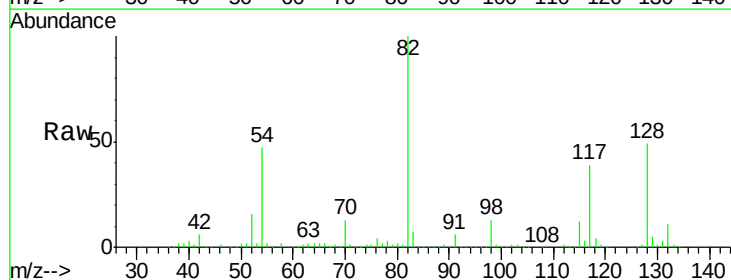
Tgt Ion: 82 Resp: 618696

Ion Ratio Lower Upper

82 100

128 49.5 35.9 53.9

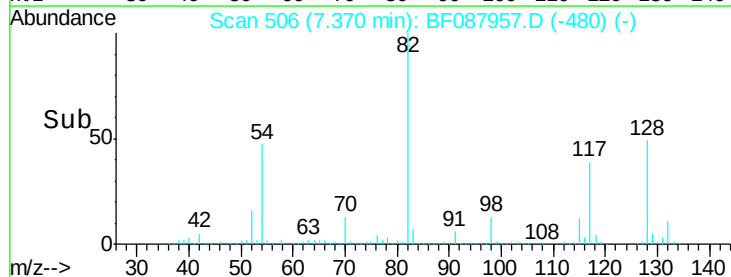
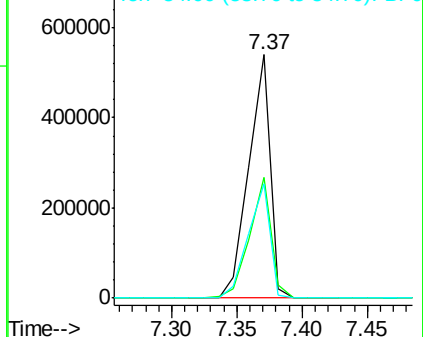
54 46.9 40.9 61.3

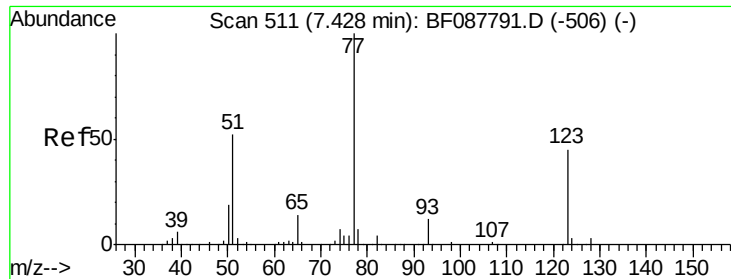


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

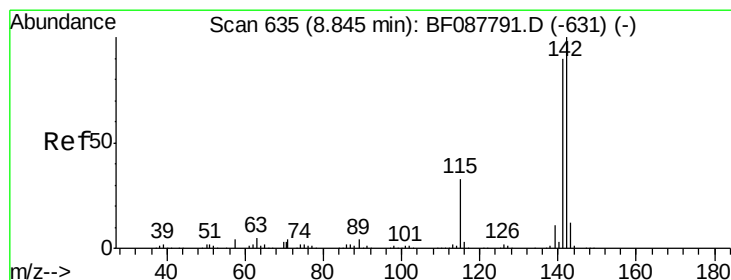
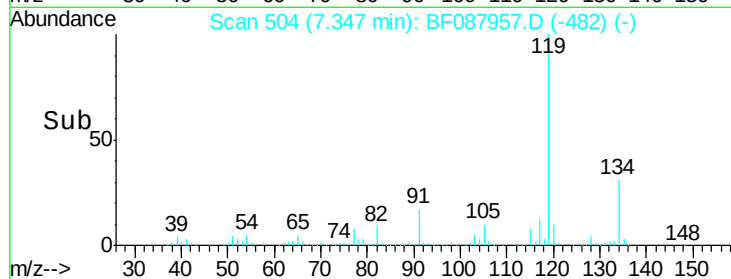
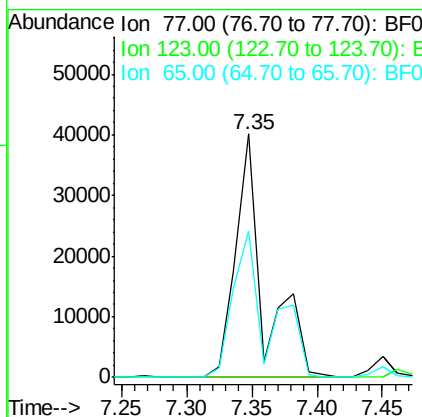
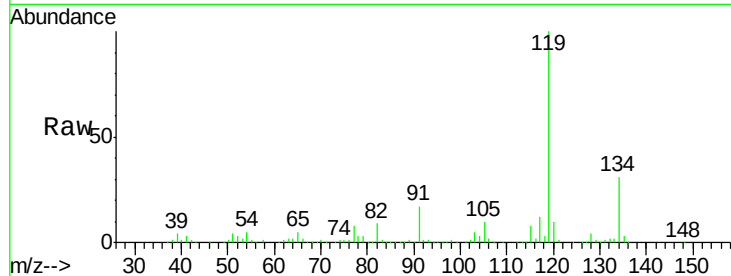




#24
Nitrobenzene
Concen: 7.79 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.05 min
Lab File: BF087957.D
Acq: 12 Jun 2016 19:32

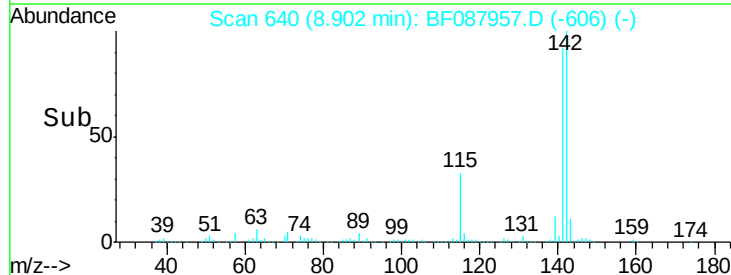
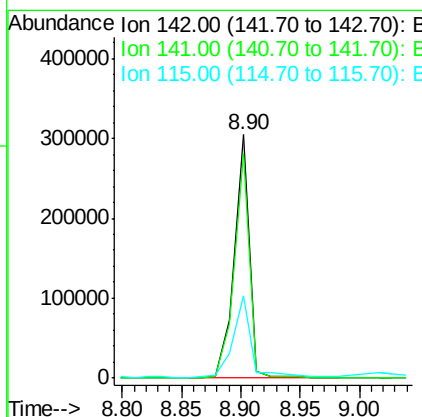
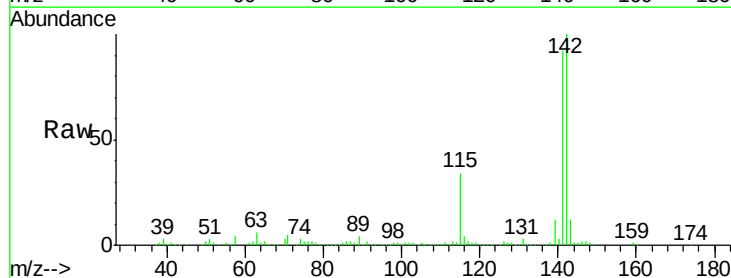
Instrument :
BNA_F
ClientSampled :
W-16

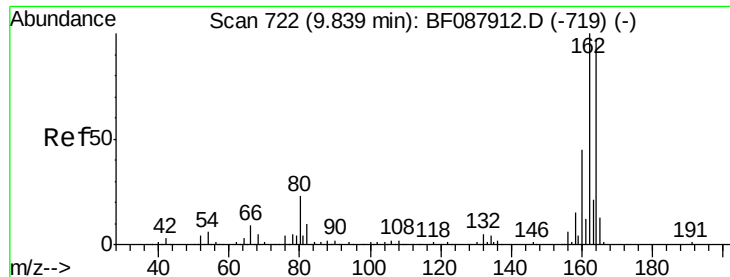
Tgt Ion: 77 Resp: 60657
Ion Ratio Lower Upper
77 100
123 0.0 45.0 67.4#
65 60.2 10.2 15.2#



#37
2-Methylnaphthalene
Concen: 17.73 ng
RT: 8.90 min Scan# 640
Delta R.T. 0.09 min
Lab File: BF087957.D
Acq: 12 Jun 2016 19:32

Tgt Ion: 142 Resp: 271372
Ion Ratio Lower Upper
142 100
141 92.2 71.0 106.6
115 33.7 22.6 33.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF087957.D

Acq: 12 Jun 2016 19:32

Instrument :

BNA_F

ClientSampleId :

W-16

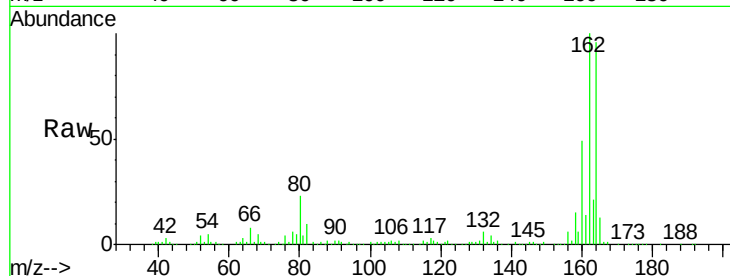
Tgt Ion:164 Resp: 219311

Ion Ratio Lower Upper

164 100

162 104.1 85.4 128.2

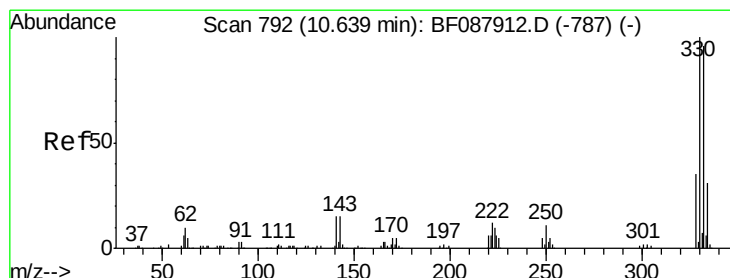
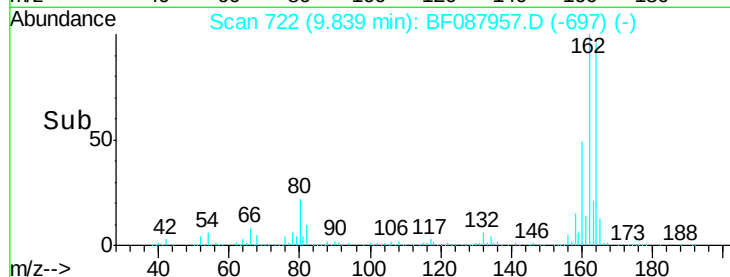
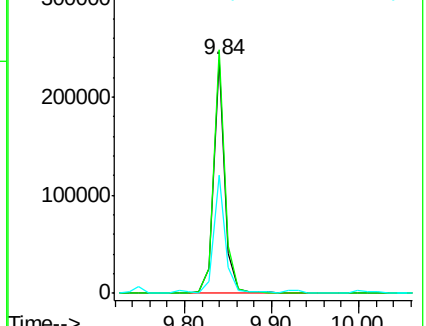
160 50.6 39.5 59.3



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: 120.56 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF087957.D

Acq: 12 Jun 2016 19:32

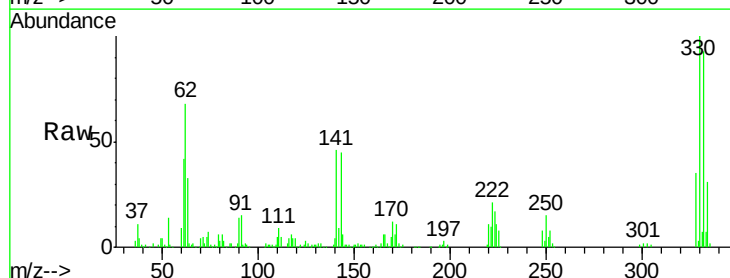
Tgt Ion:330 Resp: 279184

Ion Ratio Lower Upper

330 100

332 94.3 0.0 0.0#

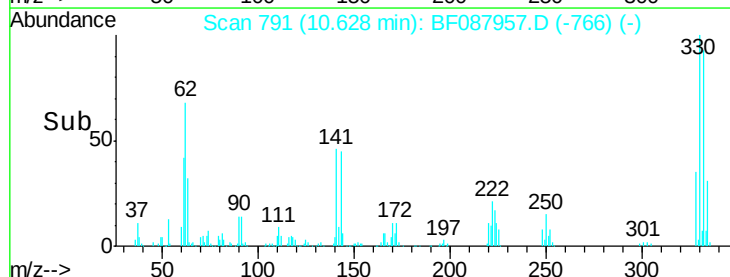
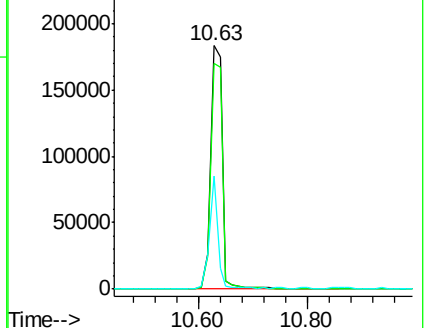
141 32.5 0.0 0.0#

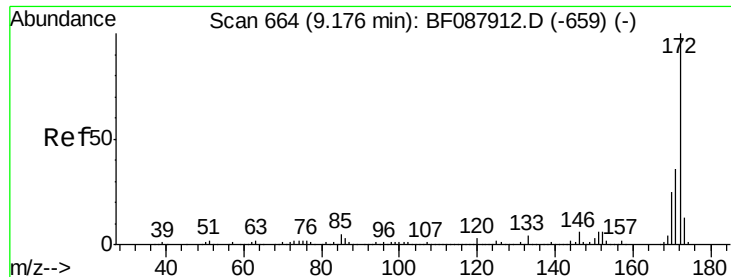


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

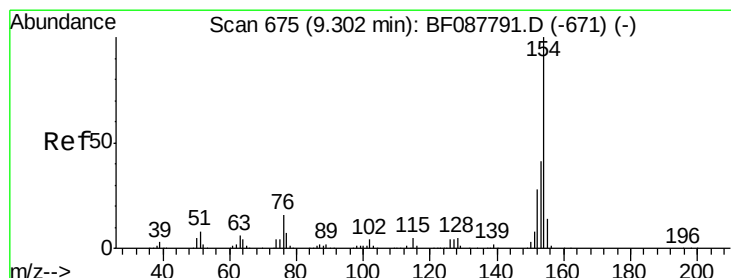
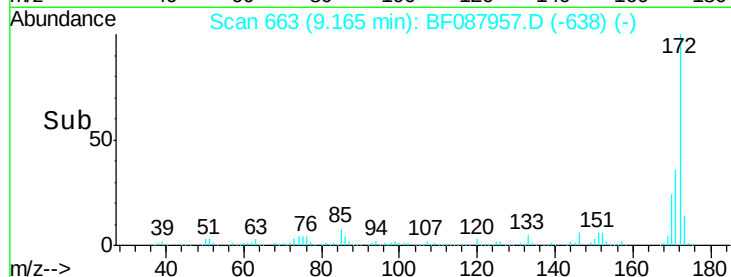
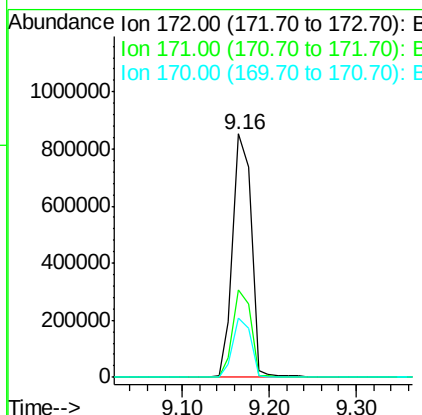
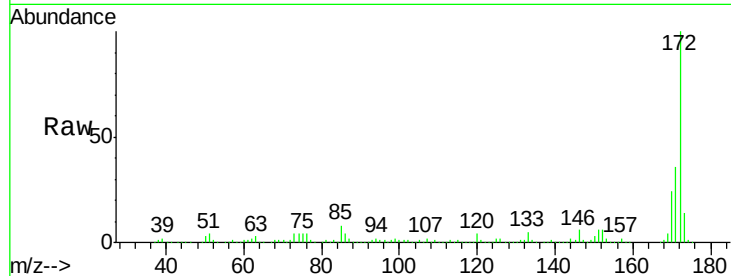




#44
2-Fluorobiphenyl
Concen: 91.20 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF087957.D
Acq: 12 Jun 2016 19:32

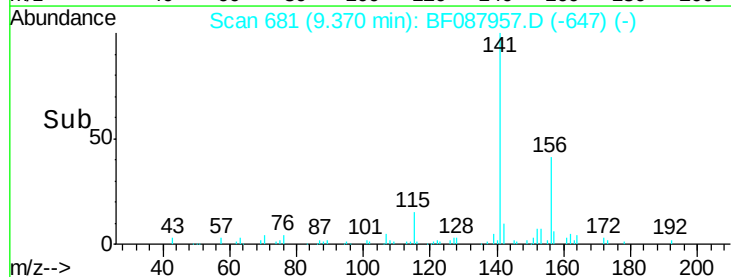
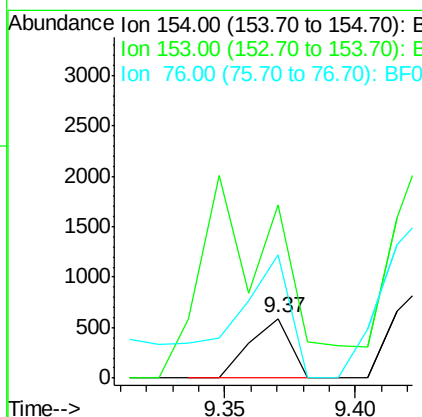
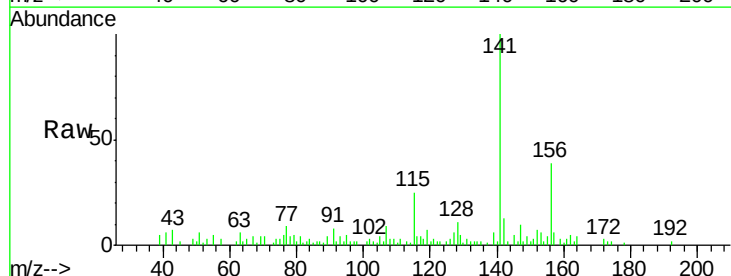
Instrument :
BNA_F
ClientSampleId :
W-16

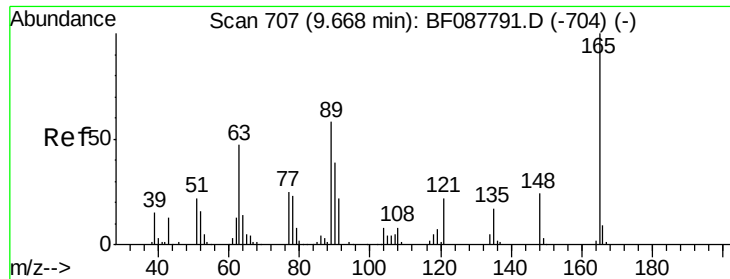
Tgt Ion:172 Resp: 1267585
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.4 19.2 28.8



#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.37 min Scan# 681
Delta R.T. 0.09 min
Lab File: BF087957.D
Acq: 12 Jun 2016 19:32

Tgt Ion:154 Resp: 647
Ion Ratio Lower Upper
154 100
153 291.9 20.6 60.6#
76 208.0 0.0 35.1#





#50

2,6-Dinitrotoluene

Concen: 8.05 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.19 min

Lab File: BF087957.D

Acq: 12 Jun 2016 19:32

Instrument :

BNA_F

ClientSampleId :

W-16

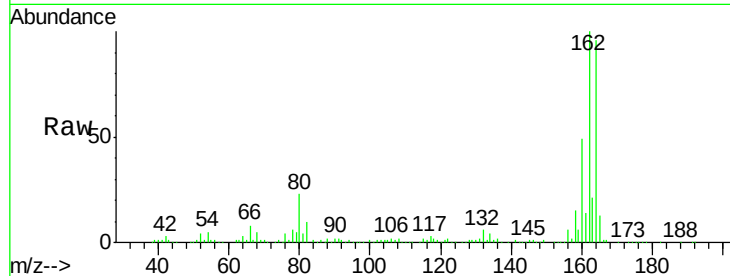
Tgt Ion:165 Resp: 29279

Ion Ratio Lower Upper

165 100

63 5.0 28.1 42.1#

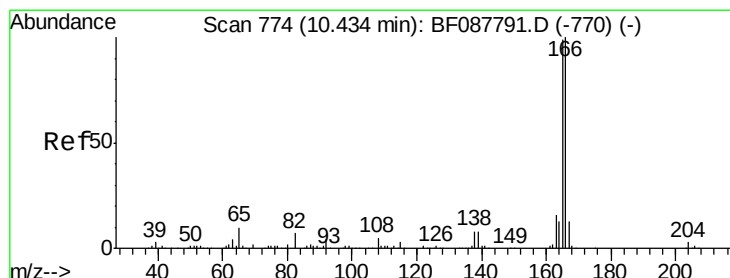
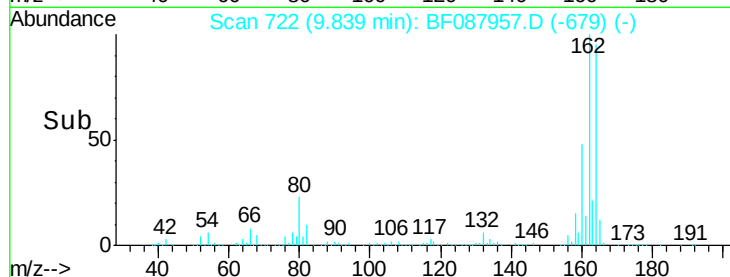
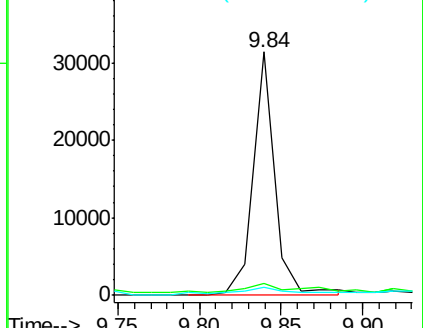
89 3.6 32.2 48.2#



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



#57

Fluorene

Concen: Below Cal

RT: 10.39 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF087957.D

Acq: 12 Jun 2016 19:32

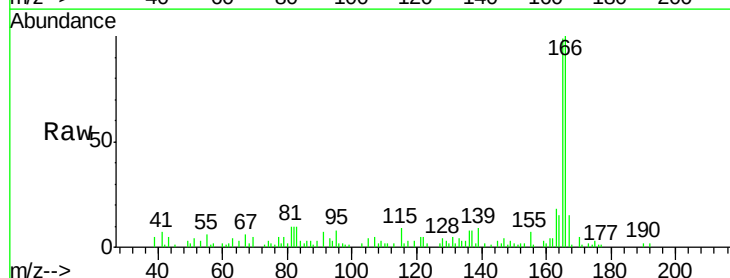
Tgt Ion:166 Resp: 23967

Ion Ratio Lower Upper

166 100

165 98.6 77.8 116.8

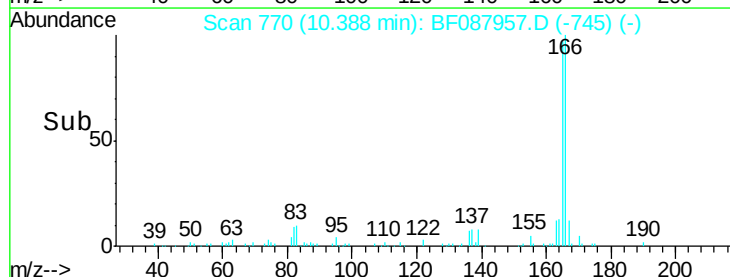
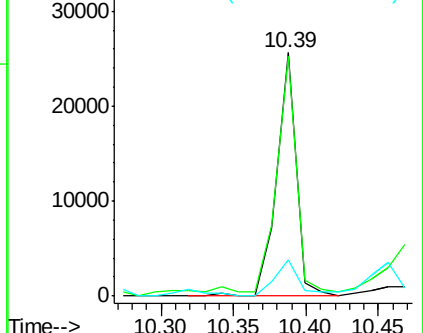
167 14.9 11.2 16.8

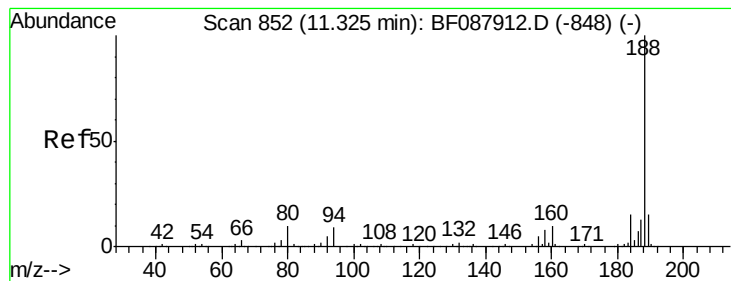


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF087957.D

Acq: 12 Jun 2016 19:32

Instrument :

BNA_F

ClientSampled :

W-16

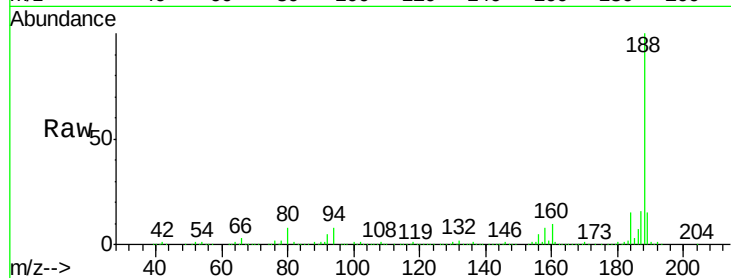
Tgt Ion:188 Resp: 425065

Ion Ratio Lower Upper

188 100

94 7.9 9.0 13.6#

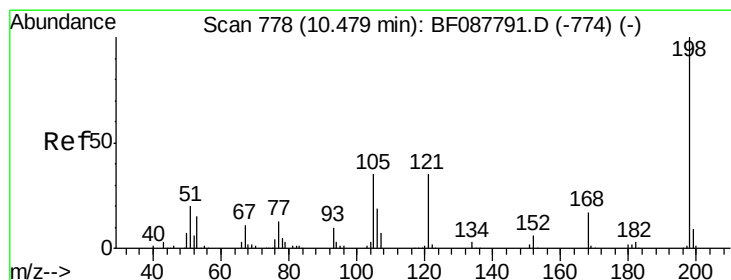
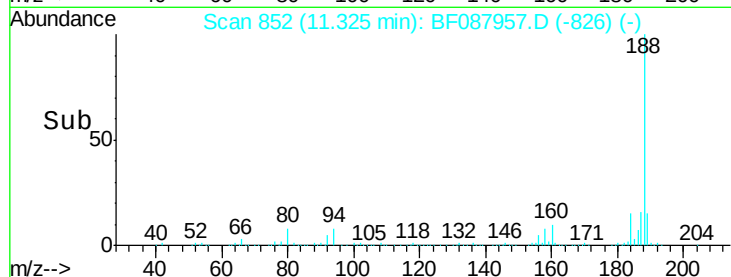
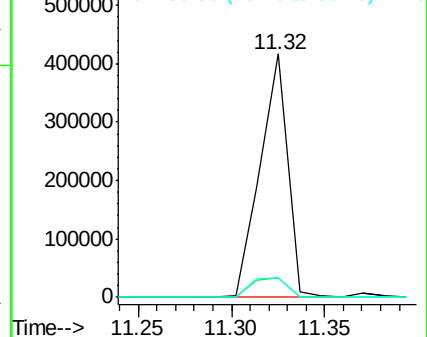
80 8.2 10.0 15.0#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 2.66 ng

RT: 10.34 min Scan# 766

Delta R.T. -0.10 min

Lab File: BF087957.D

Acq: 12 Jun 2016 19:32

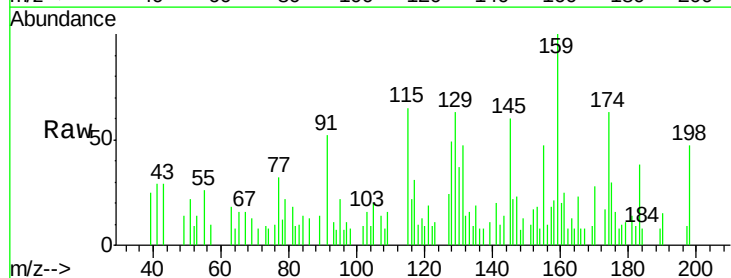
Tgt Ion:198 Resp: 1380

Ion Ratio Lower Upper

198 100

51 47.2 39.6 79.6

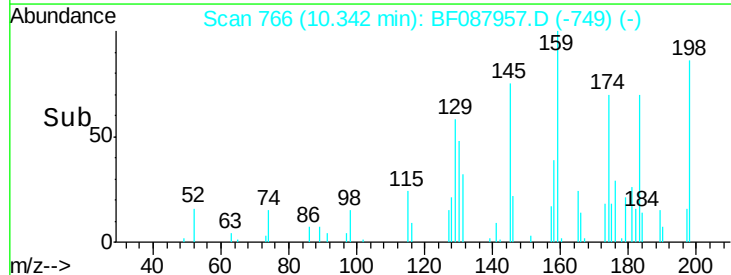
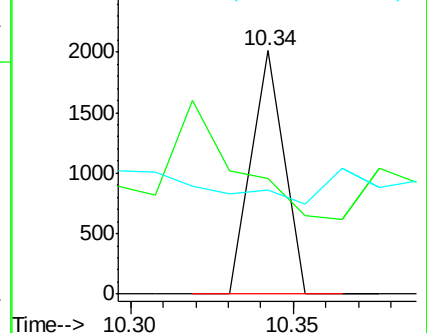
105 42.8 36.6 76.6

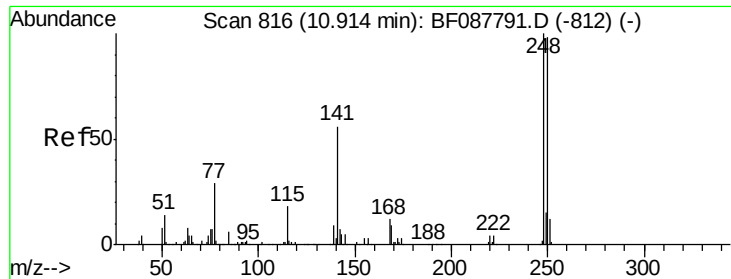


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

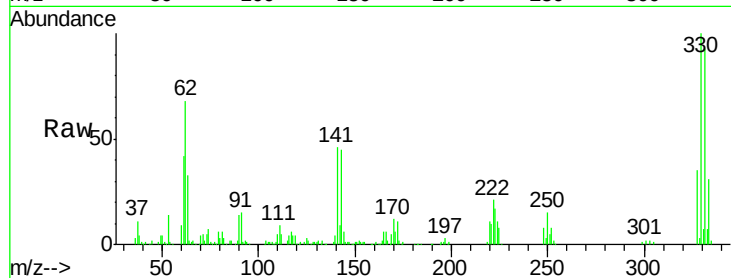




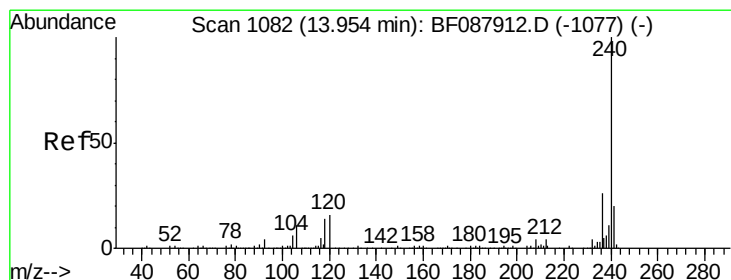
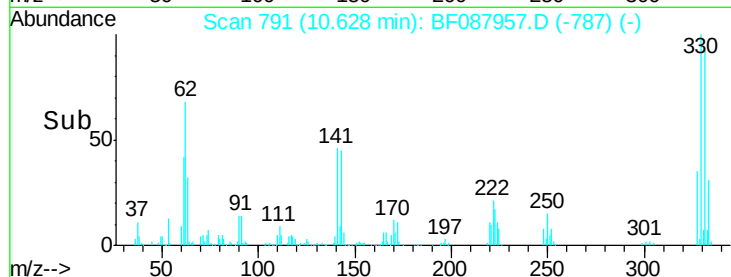
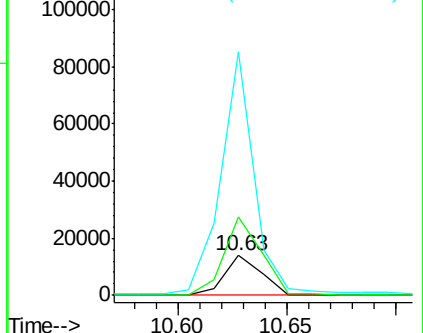
#66
4-Bromophenyl-phenylether
Concen: 3.60 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.25 min
Lab File: BF087957.D
Acq: 12 Jun 2016 19:32

Instrument :
BNA_F
ClientSampled :
W-16

Tgt Ion:248 Resp: 16436
Ion Ratio Lower Upper
248 100
250 199.8 77.1 115.7#
141 616.6 50.6 76.0#

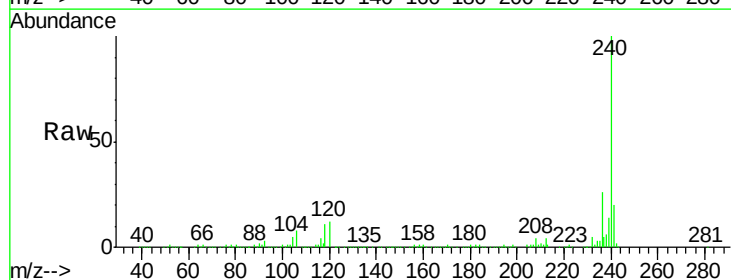


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

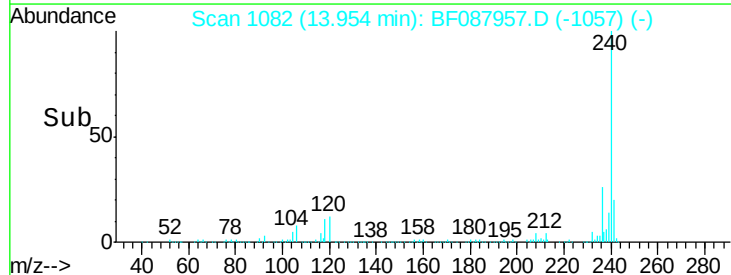
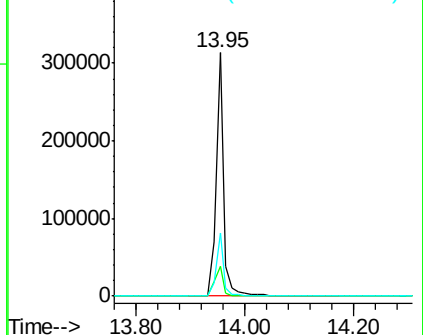


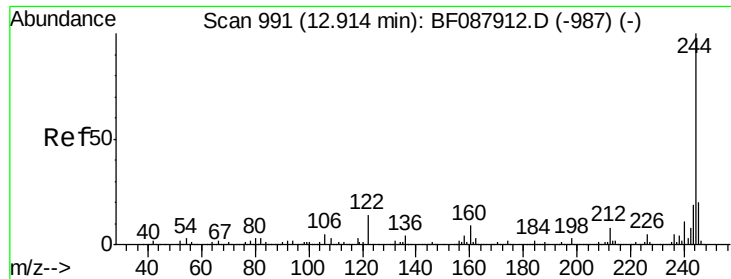
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BF087957.D
Acq: 12 Jun 2016 19:32

Tgt Ion:240 Resp: 311821
Ion Ratio Lower Upper
240 100
120 12.2 6.8 10.2#
236 26.0 20.2 30.2



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

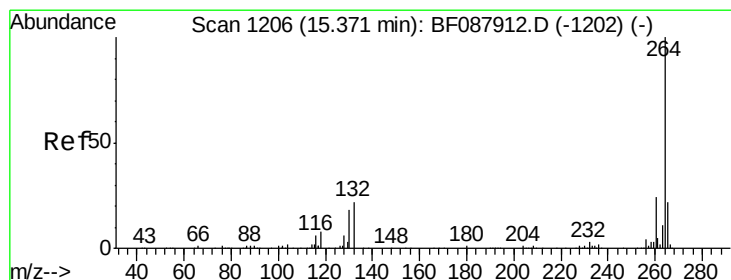
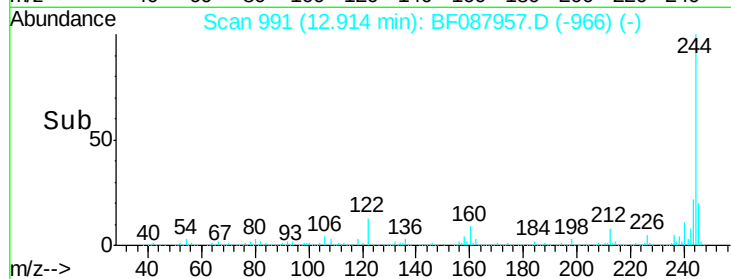
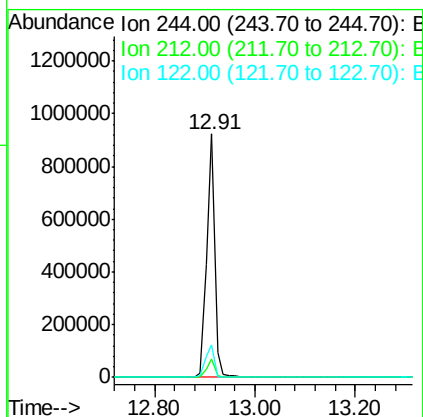
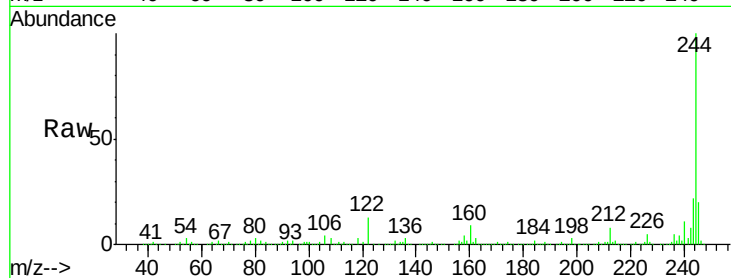




#78
 Terphenyl-d14
 Concen: 75.22 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BF087957.D
 Acq: 12 Jun 2016 19:32

Instrument :
 BNA_F
 ClientSampleId :
 W-16

Tgt Ion:244 Resp: 1030767
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 13.1 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF087957.D
 Acq: 12 Jun 2016 19:32

Tgt Ion:264 Resp: 243453
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 21.2 16.9 25.3

