

Data Path : S:\HPCHEM1\BNA_F\DATA\BF060916\
 Data File : BF087851.D
 Acq On : 9 Jun 2016 14:36
 Operator : UM/SJ
 Sample : H3477-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1300-01-NE-06072016

Quant Time: Jun 09 15:48:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	129981	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	505385	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	247549	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	411124	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	290094	20.00	ng	-0.03
86) Perylene-d12	15.36	264	272071	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	734639	96.62	ng	-0.01
7) Phenol-d6	6.46	99	911113	98.88	ng	-0.02
23) Nitrobenzene-d5	7.38	82	544830	62.95	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	233332	89.27	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1013859	62.90	ng	-0.03
78) Terphenyl-d14	12.91	244	816867	64.08	ng	-0.03

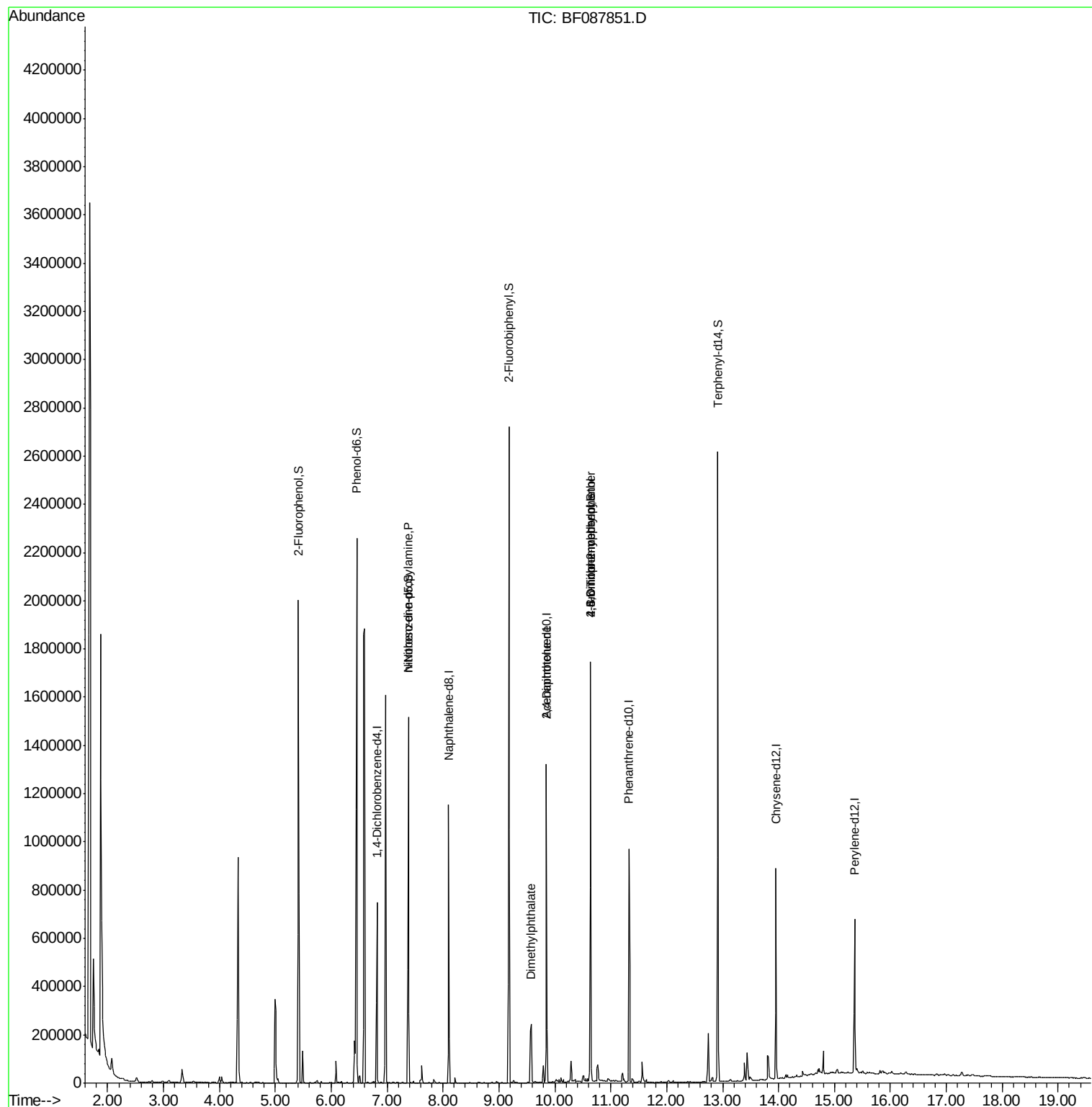
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.47	94	7112	Below Cal		97
19) n-Nitroso-di-n-propylamine	7.38	70	71111	12.06 ng	#	74
45) 1,1'-Biphenyl	9.18	154	1948	Below Cal	#	1
49) Dimethylphthalate	9.58	163	153209	8.54 ng		98
56) 2,4-Dinitrotoluene	9.85	165	32456	6.15 ng	#	38
57) Fluorene	10.64	166	11424	Below Cal	#	94
64) 4,6-Dinitro-2-methylphenol	10.64	198	370	2.30 ng	#	1
66) 4-Bromophenyl-phenylether	10.64	248	14523	3.29 ng	#	1

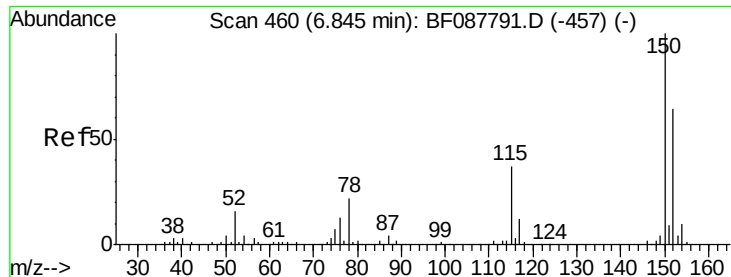
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087851.D

Acq: 9 Jun 2016 14:36

Instrument :

BNA_F

ClientSampleId :

1300-01-NE-06072016

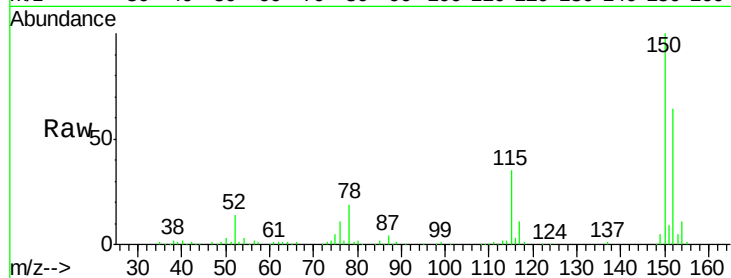
Tgt Ion:152 Resp: 129981

Ion Ratio Lower Upper

152 100

150 155.3 123.8 185.6

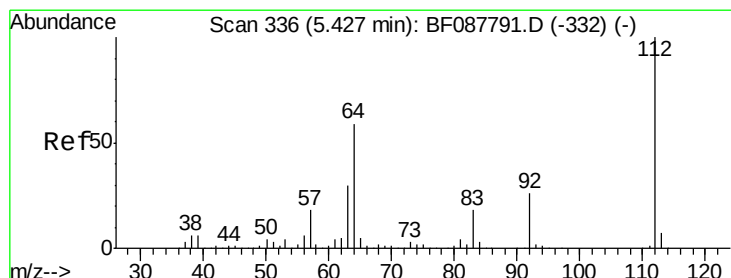
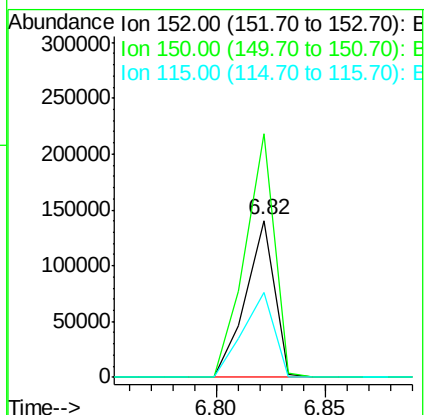
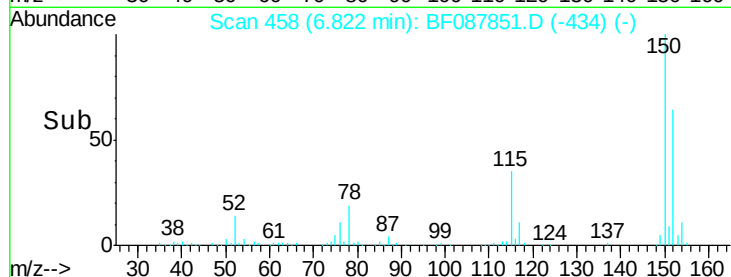
115 54.4 39.6 59.4



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: 96.62 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087851.D

Acq: 9 Jun 2016 14:36

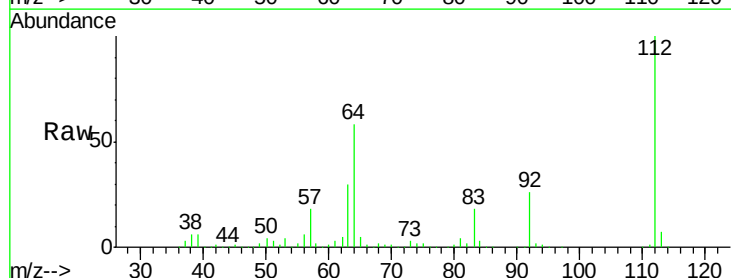
Tgt Ion:112 Resp: 734639

Ion Ratio Lower Upper

112 100

64 58.0 42.2 63.2

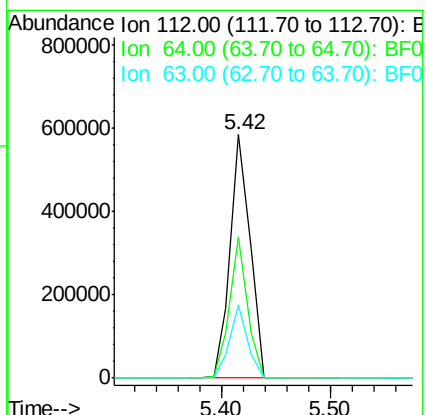
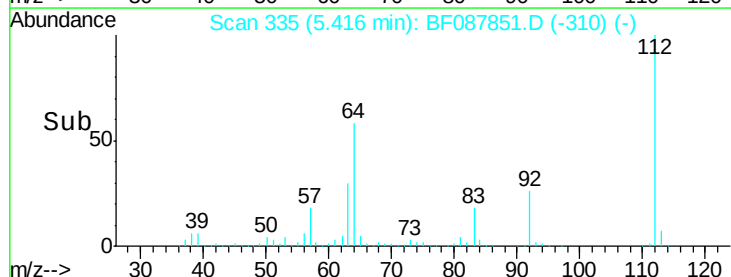
63 30.0 21.8 32.8

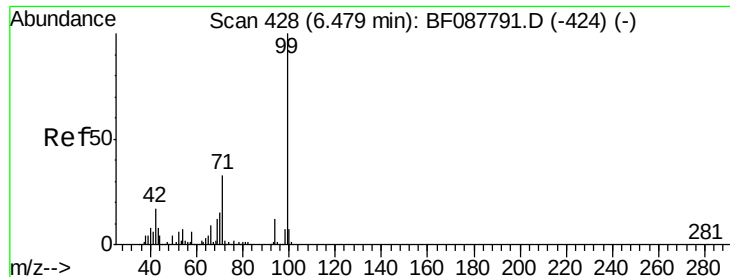


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.88 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087851.D

Acq: 9 Jun 2016 14:36

Instrument :

BNA_F

ClientSampleId :

1300-01-NE-06072016

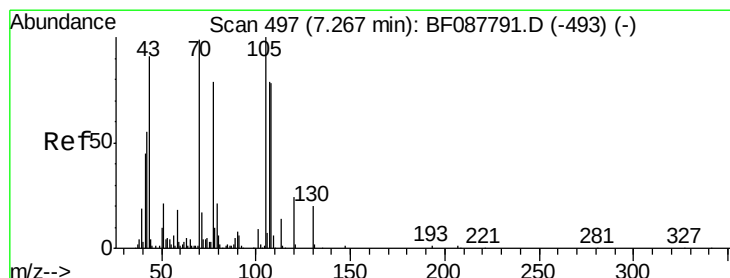
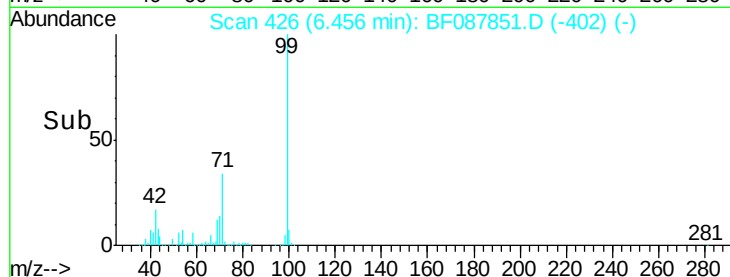
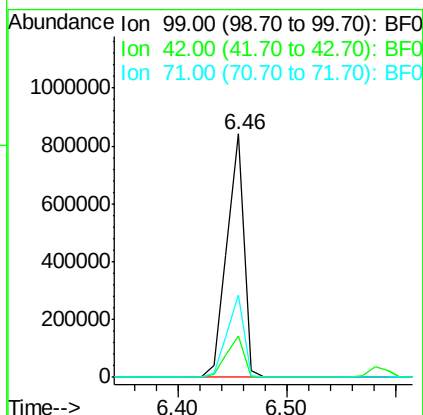
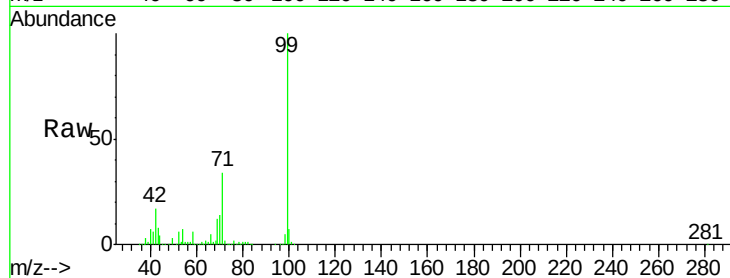
Tgt Ion: 99 Resp: 911113

Ion Ratio Lower Upper

99 100

42 16.9 12.2 18.2

71 33.6 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.06 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.11 min

Lab File: BF087851.D

Acq: 9 Jun 2016 14:36

Tgt Ion: 70 Resp: 71111

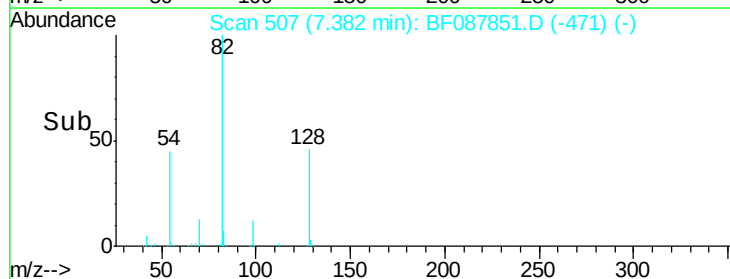
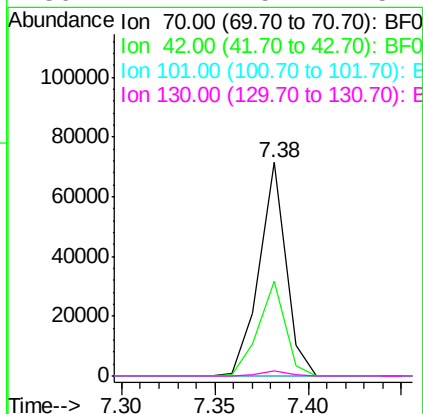
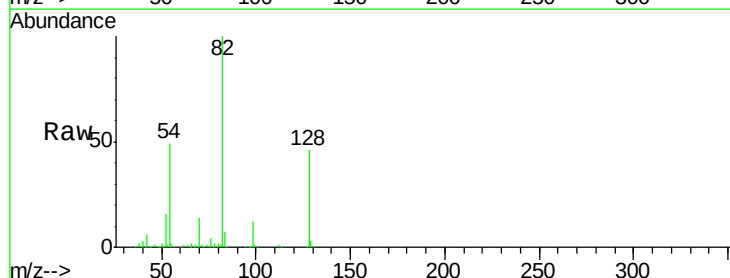
Ion Ratio Lower Upper

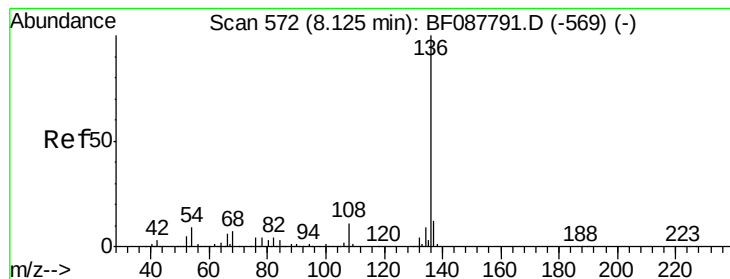
70 100

42 44.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087851.D

Acq: 9 Jun 2016 14:36

Instrument :

BNA_F

ClientSampleId :

1300-01-NE-06072016

Tgt Ion:136 Resp: 505385

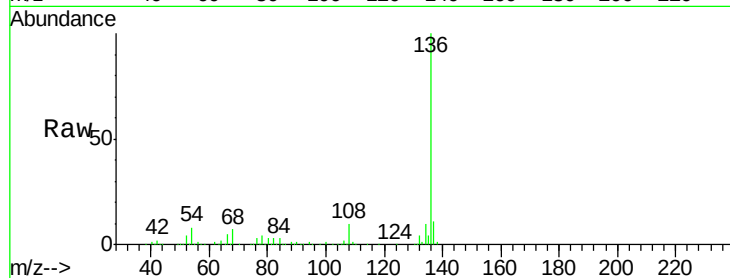
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 8.2 6.6 10.0

68 6.5 5.1 7.7

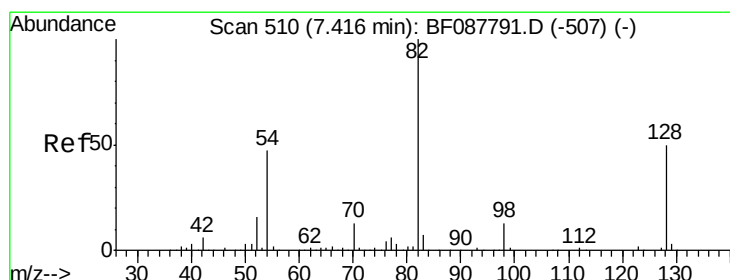
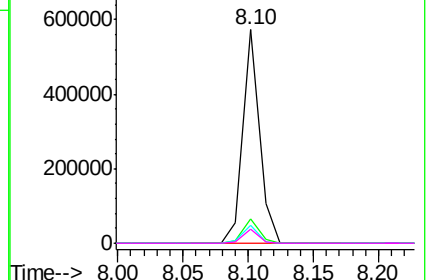
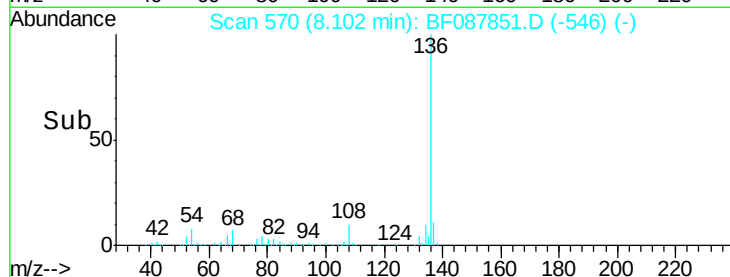


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.95 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087851.D

Acq: 9 Jun 2016 14:36

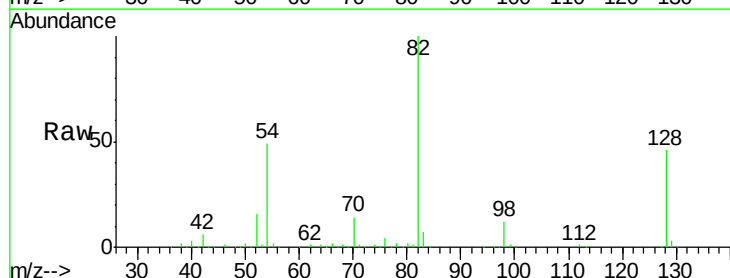
Tgt Ion: 82 Resp: 544830

Ion Ratio Lower Upper

82 100

128 45.8 35.9 53.9

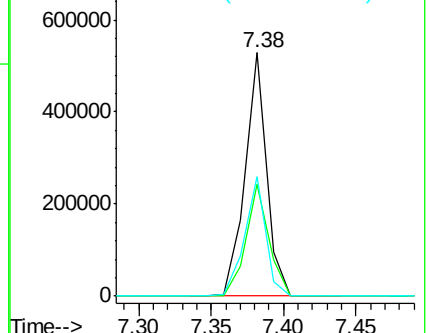
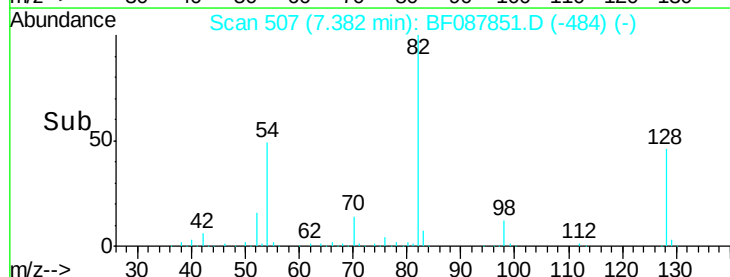
54 49.2 40.9 61.3

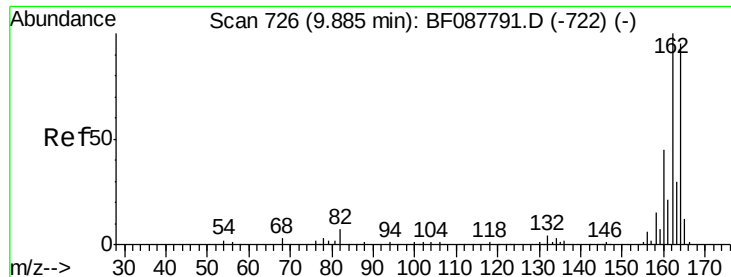


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF087851.D

Acq: 9 Jun 2016 14:36

Instrument :

BNA_F

ClientSampleId :

1300-01-NE-06072016

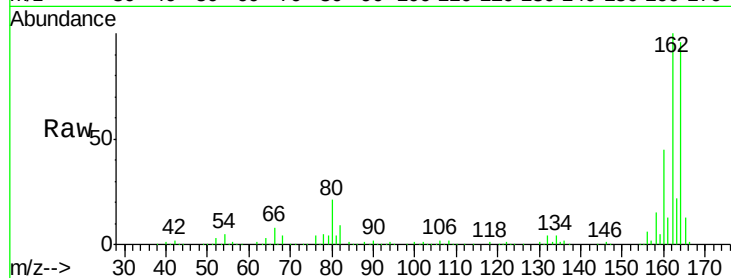
Tgt Ion:164 Resp: 247549

Ion Ratio Lower Upper

164 100

162 103.9 85.4 128.2

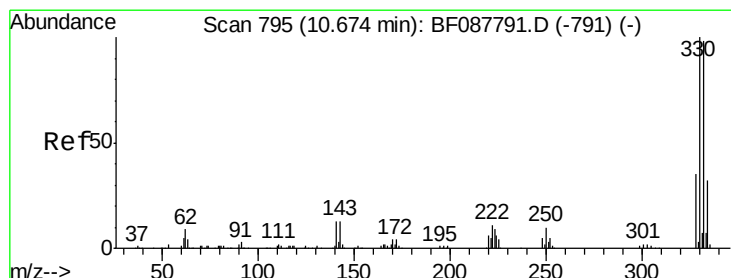
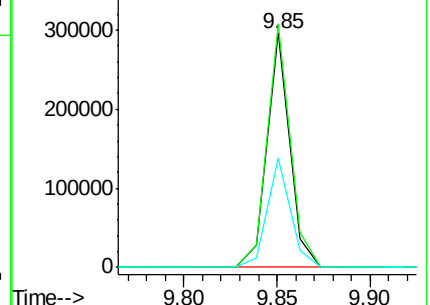
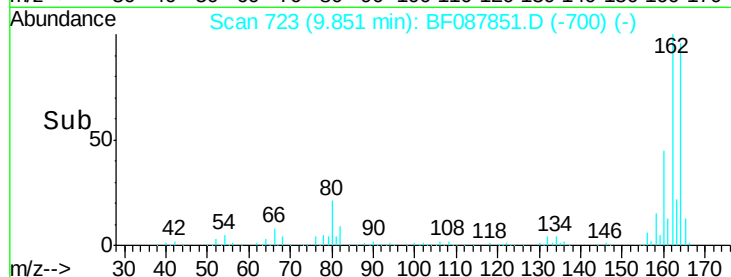
160 46.7 39.5 59.3



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: 89.27 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

Lab File: BF087851.D

Acq: 9 Jun 2016 14:36

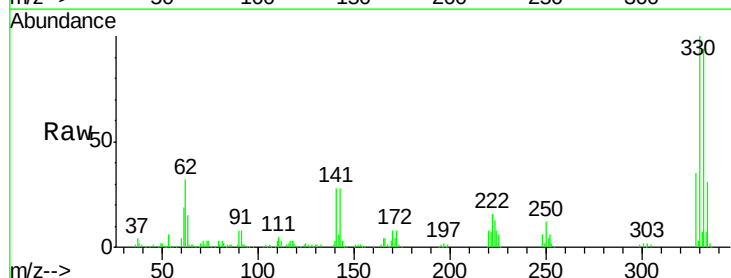
Tgt Ion:330 Resp: 233332

Ion Ratio Lower Upper

330 100

332 94.6 0.0 0.0#

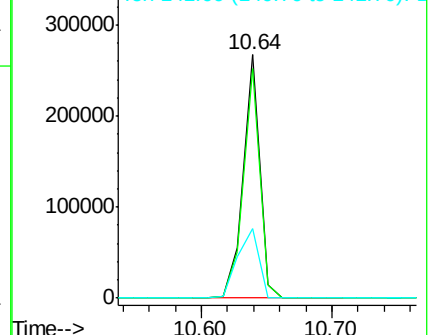
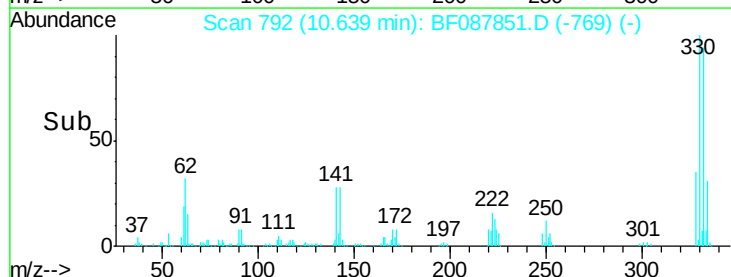
141 36.4 0.0 0.0#

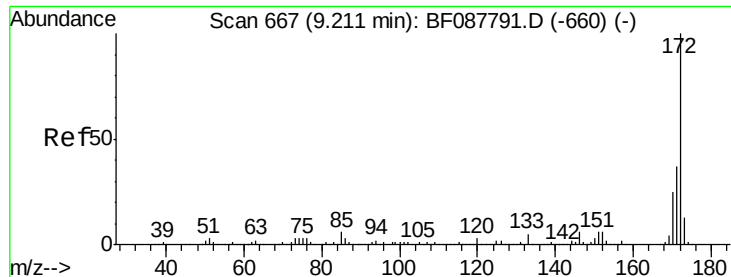


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

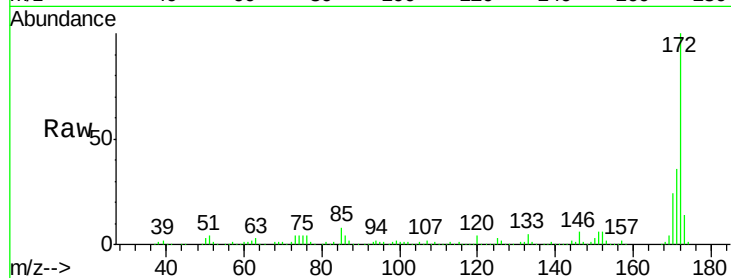




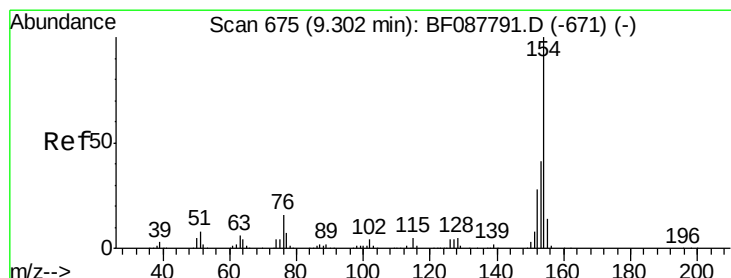
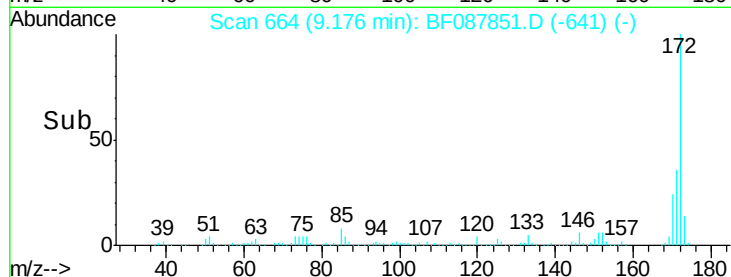
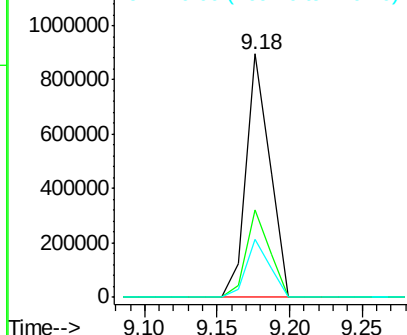
#44
2-Fluorobiphenyl
Concen: 62.90 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087851.D
Acq: 9 Jun 2016 14:36

Instrument :
BNA_F
ClientSampleId :
1300-01-NE-06072016

Tgt Ion:172 Resp: 1013859
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.9 19.2 28.8

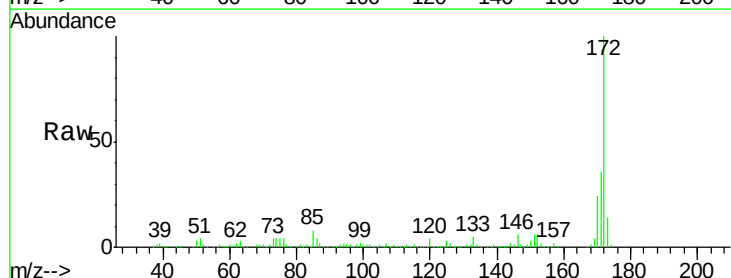


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

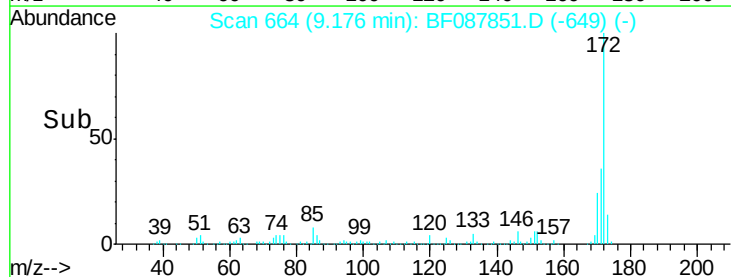
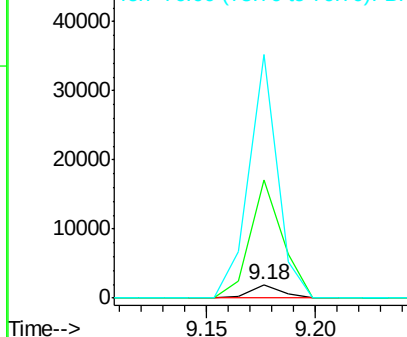


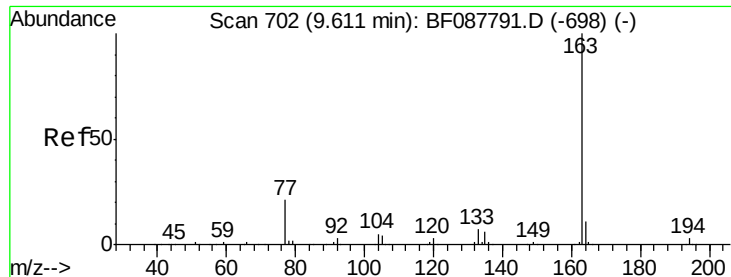
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.18 min Scan# 664
Delta R.T. -0.12 min
Lab File: BF087851.D
Acq: 9 Jun 2016 14:36

Tgt Ion:154 Resp: 1948
Ion Ratio Lower Upper
154 100
153 887.5 20.6 60.6#
76 1826.3 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





#49

Dimethylphthalate

Concen: 8.54 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.03 min

Lab File: BF087851.D

Acq: 9 Jun 2016 14:36

Instrument :

BNA_F

ClientSampleId :

1300-01-NE-06072016

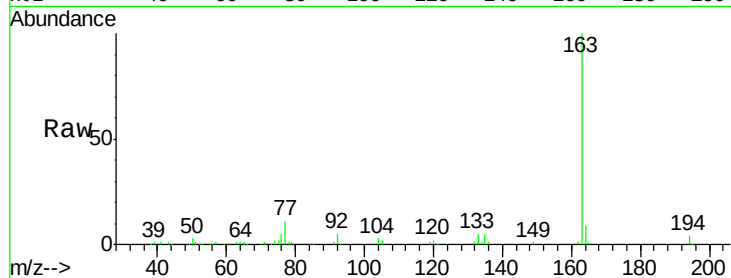
Tgt Ion:163 Resp: 153209

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

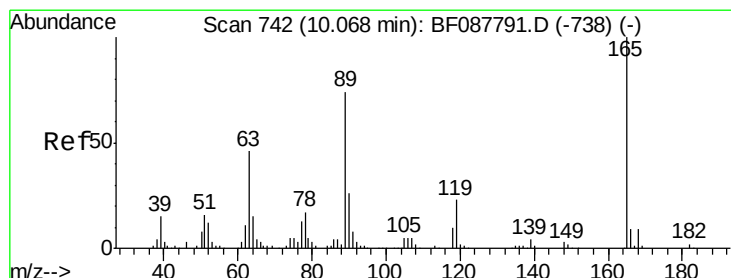
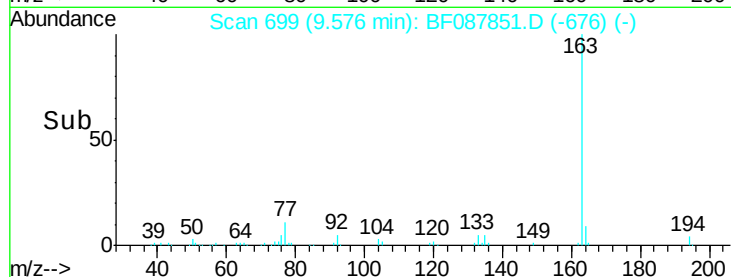
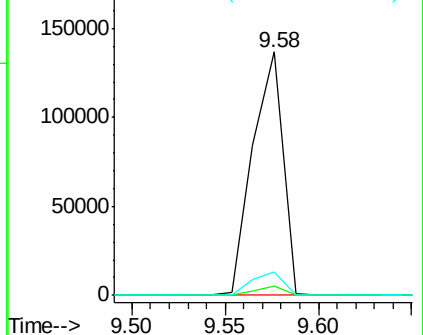
164 9.4 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.15 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.22 min

Lab File: BF087851.D

Acq: 9 Jun 2016 14:36

Tgt Ion:165 Resp: 32456

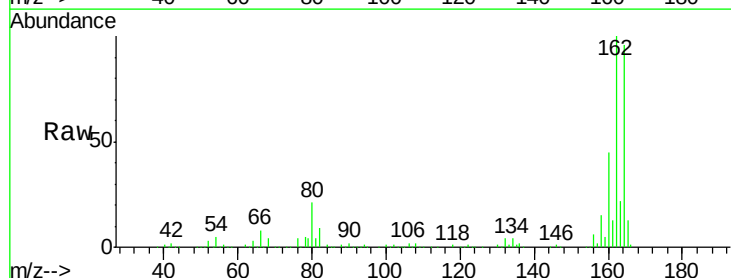
Ion Ratio Lower Upper

165 100

63 1.2 22.0 33.0#

89 1.5 41.1 61.7#

182 0.0 2.0 3.0#

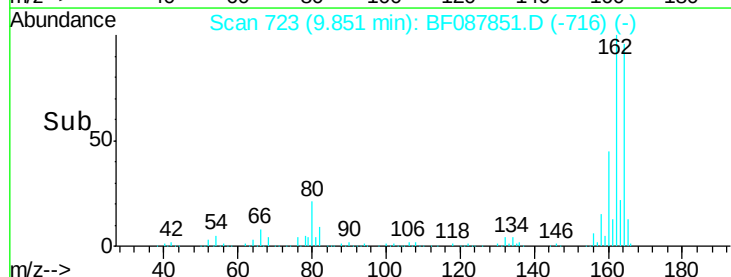
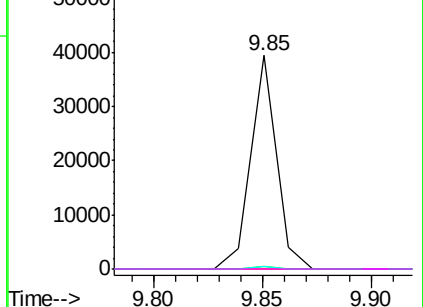


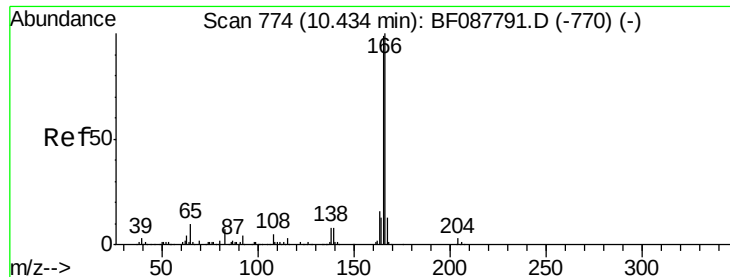
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

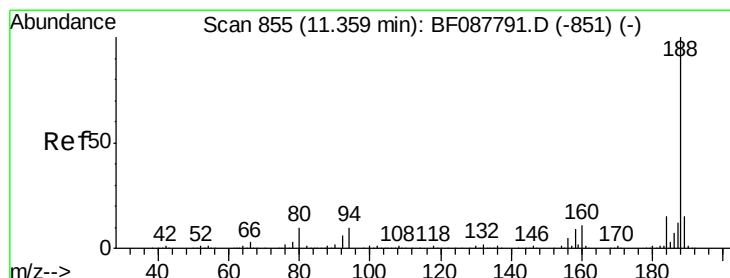
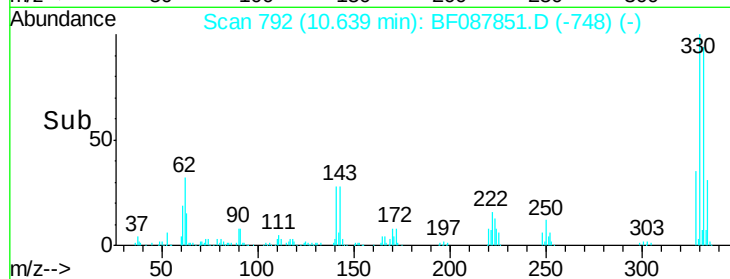
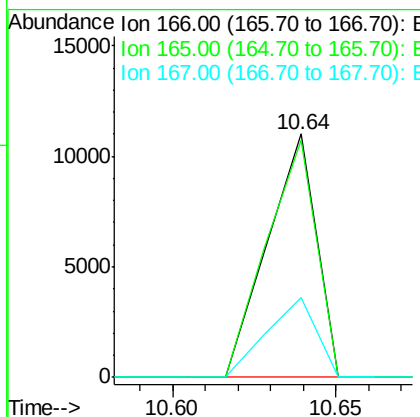
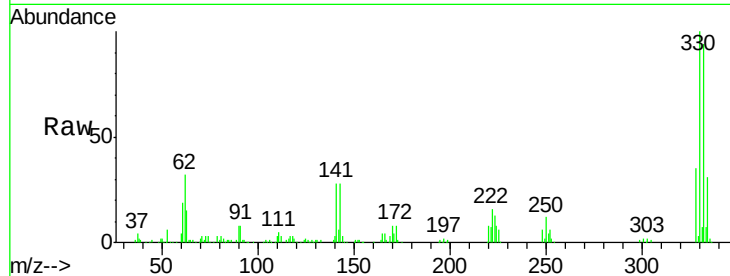




#57
 Fluorene
 Concen: Below Cal
 RT: 10.64 min Scan# 792
 Delta R.T. 0.21 min
 Lab File: BF087851.D
 Acq: 9 Jun 2016 14:36

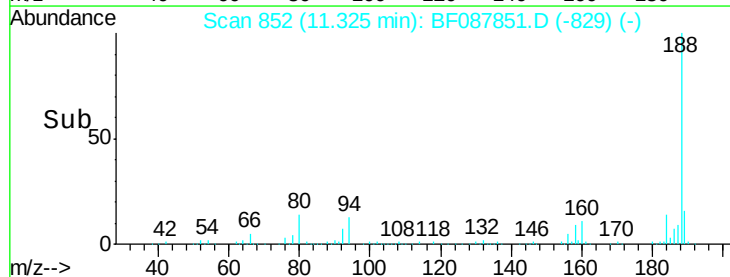
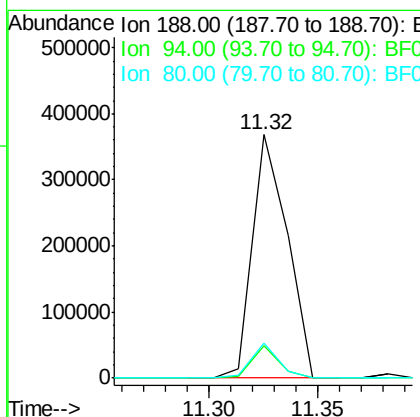
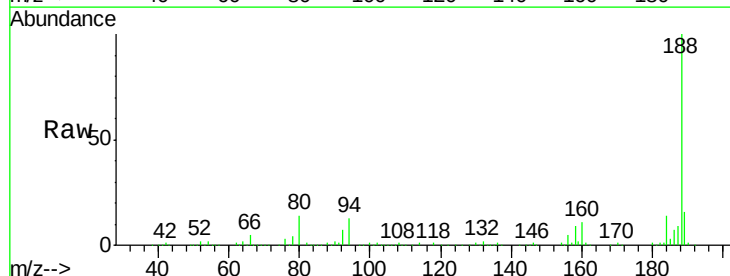
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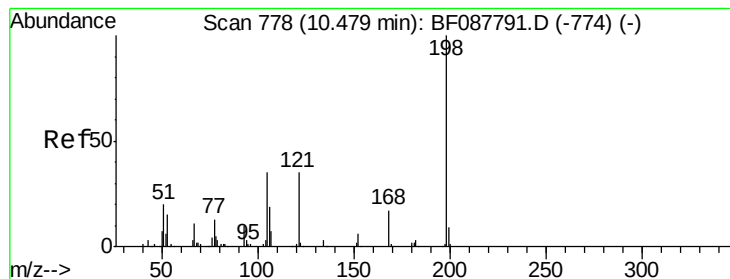
Tgt Ion:166 Resp: 11424
 Ion Ratio Lower Upper
 166 100
 165 97.5 77.8 116.8
 167 32.9 11.2 16.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.03 min
 Lab File: BF087851.D
 Acq: 9 Jun 2016 14:36

Tgt Ion:188 Resp: 411124
 Ion Ratio Lower Upper
 188 100
 94 13.4 9.0 13.6
 80 14.4 10.0 15.0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.30 ng

RT: 10.64 min Scan# 792

Delta R.T. 0.16 min

Lab File: BF087851.D

Acq: 9 Jun 2016 14:36

Instrument :

BNA_F

ClientSampleId :

1300-01-NE-06072016

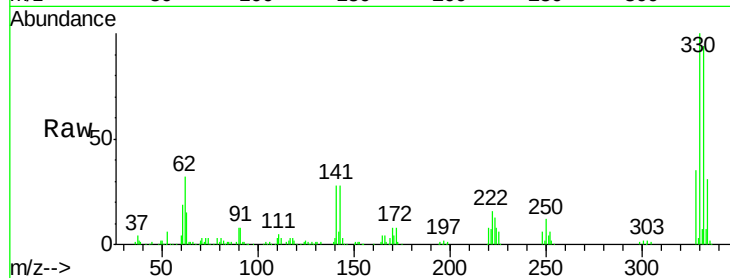
Tgt Ion:198 Resp: 370

Ion Ratio Lower Upper

198 100

51 136.7 39.6 79.6#

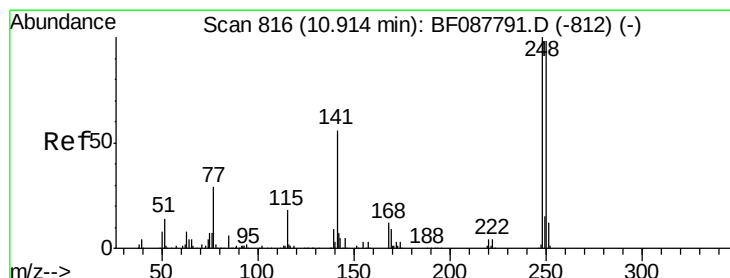
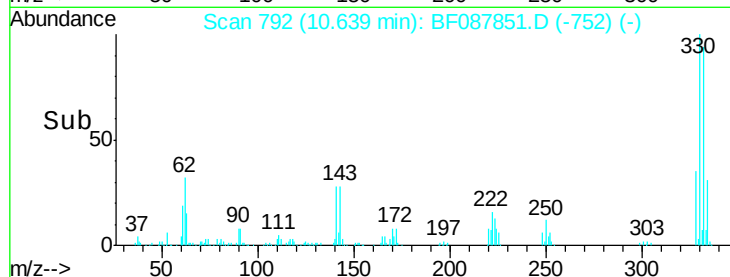
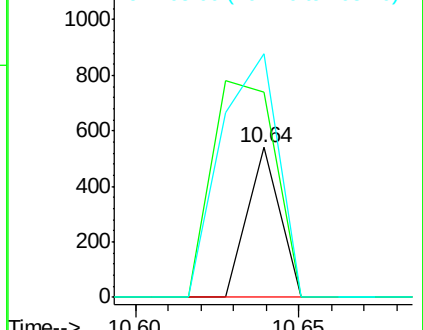
105 162.4 36.6 76.6#



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: 3.29 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.27 min

Lab File: BF087851.D

Acq: 9 Jun 2016 14:36

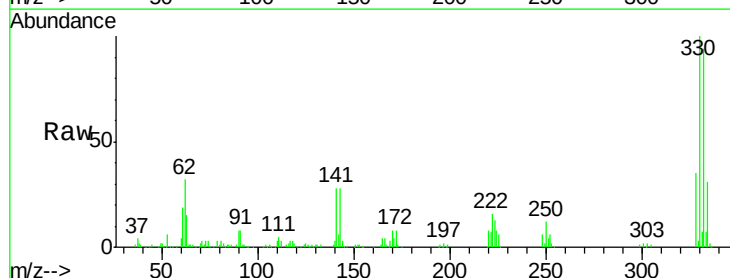
Tgt Ion:248 Resp: 14523

Ion Ratio Lower Upper

248 100

250 200.3 77.1 115.7#

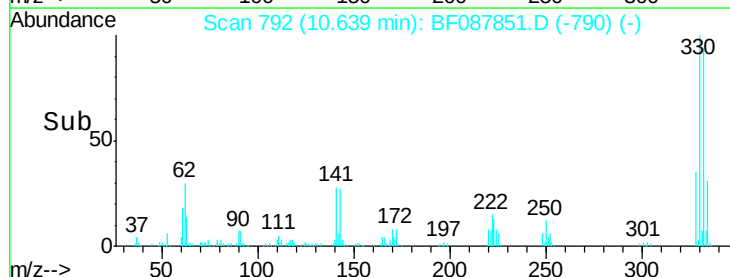
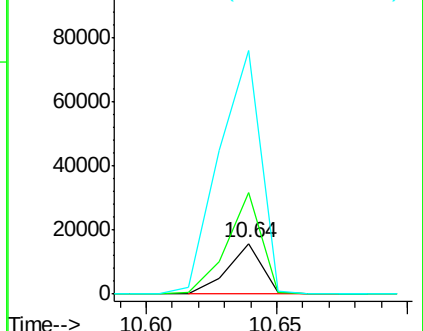
141 478.7 50.6 76.0#

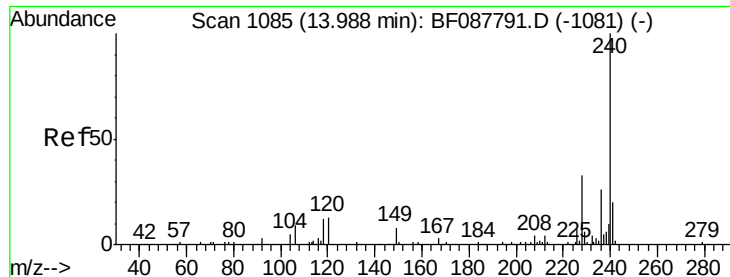


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.03 min

Lab File: BF087851.D

Acq: 9 Jun 2016 14:36

Instrument :

BNA_F

ClientSampleId :

1300-01-NE-06072016

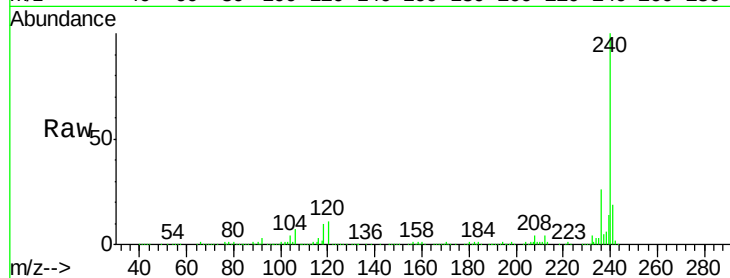
Tgt Ion:240 Resp: 290094

Ion Ratio Lower Upper

240 100

120 10.8 6.8 10.2#

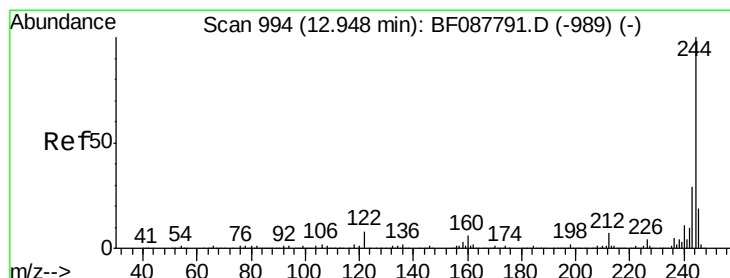
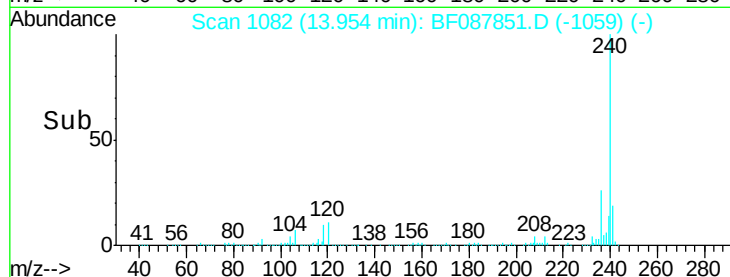
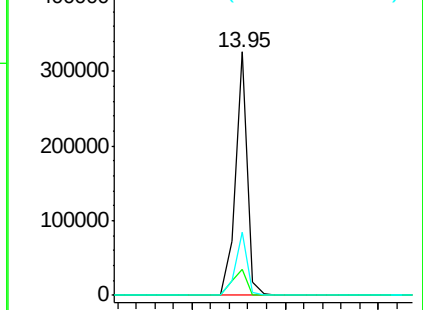
236 25.8 20.2 30.2



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: 64.08 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087851.D

Acq: 9 Jun 2016 14:36

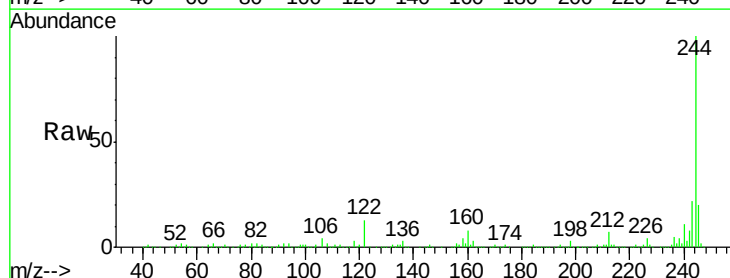
Tgt Ion:244 Resp: 816867

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

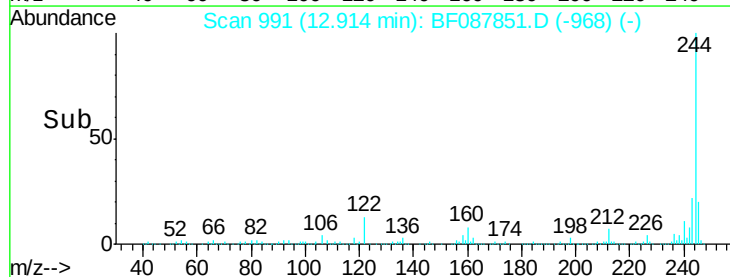
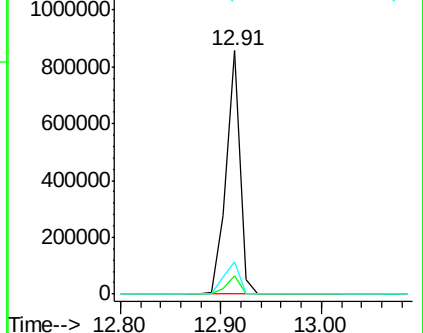
122 13.3 11.2 16.8

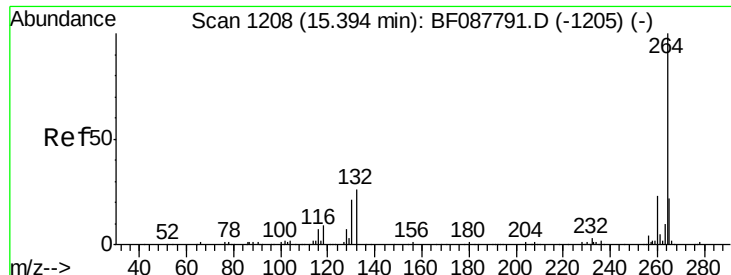


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087851.D
Acq: 9 Jun 2016 14:36

Instrument :
BNA_F
ClientSampleId :
1300-01-NE-06072016

Tgt Ion: 264 Resp: 272071
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.5 16.9 25.3

