

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088159.D
 Acq On : 19 Jun 2016 3:47
 Operator : UM/SJ
 Sample : H3628-03
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-15

Quant Time: Jun 19 07:54:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

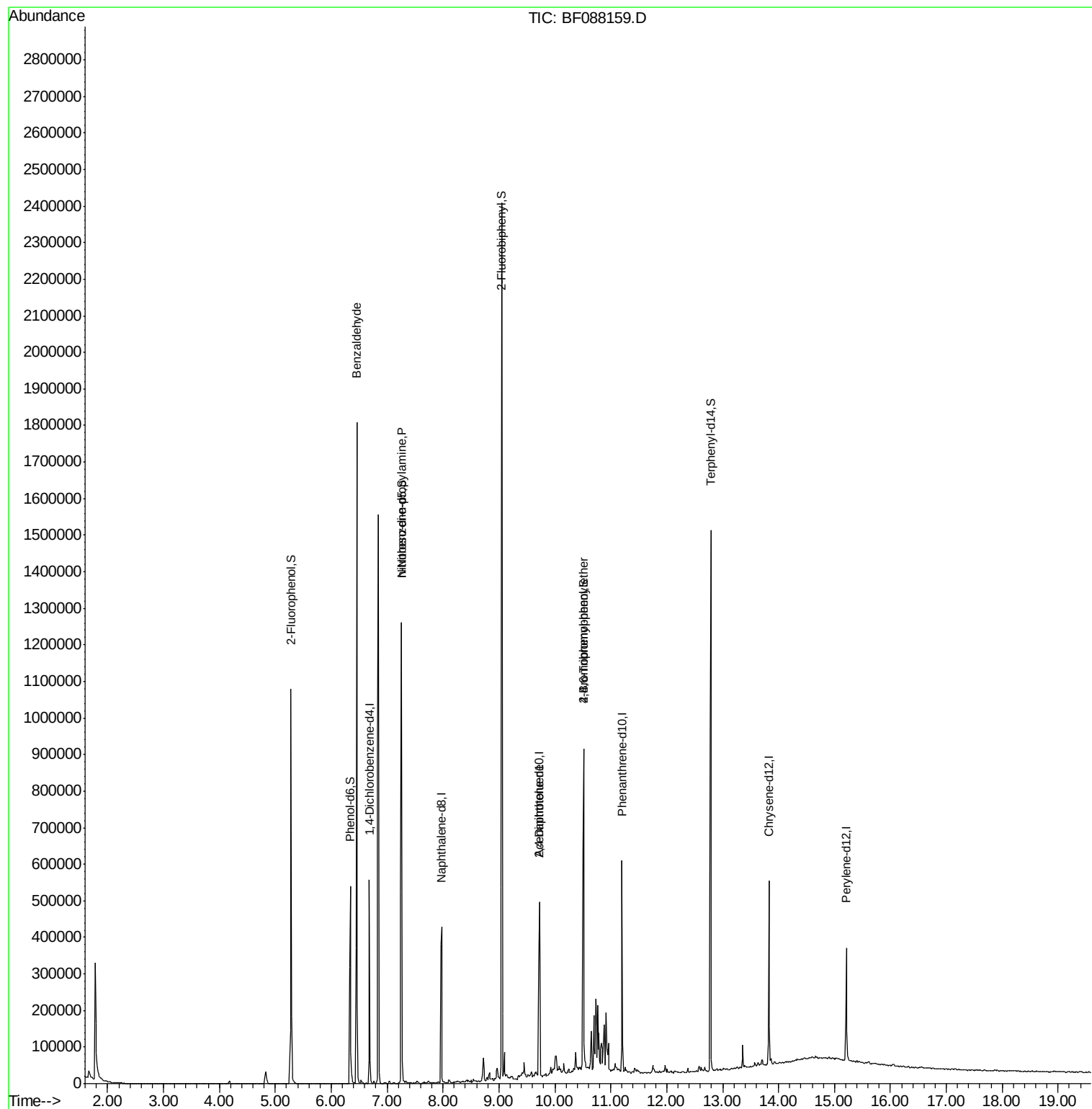
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	85861	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	295395	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	118629	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	195541	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	160678	20.00	ng	-0.02
86) Perylene-d12	15.21	264	124099	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	323376	64.39	ng	0.00
7) Phenol-d6	6.34	99	249337	40.96	ng	-0.01
23) Nitrobenzene-d5	7.26	82	455729	90.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	139973	111.75	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	729290	97.38	ng	-0.02
78) Terphenyl-d14	12.79	244	554896	78.59	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.46	77	11119	2.63	ng	# 72
10) Phenol	6.35	94	947	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.26	70	60464	15.53	ng	# 69
45) 1,1'-Biphenyl	9.05	154	1739	Below Cal		# 1
56) 2,4-Dinitrotoluene	9.72	165	15199	6.01	ng	# 37
57) Fluorene	10.51	166	7127	Below Cal		# 89
66) 4-Bromophenyl-phenylether	10.51	248	9031	4.30	ng	# 1

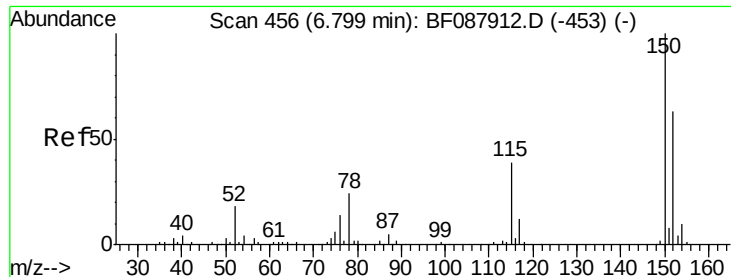
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088159.D

Acq: 19 Jun 2016 3:47

Instrument :

BNA_F

ClientSampleId :

W-15

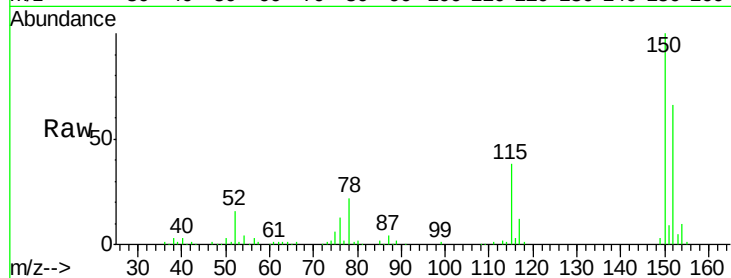
Tgt Ion:152 Resp: 85861

Ion Ratio Lower Upper

152 100

150 152.2 123.8 185.6

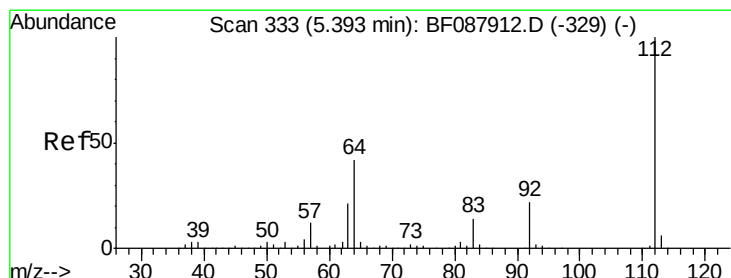
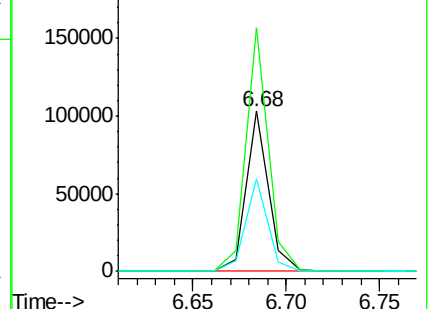
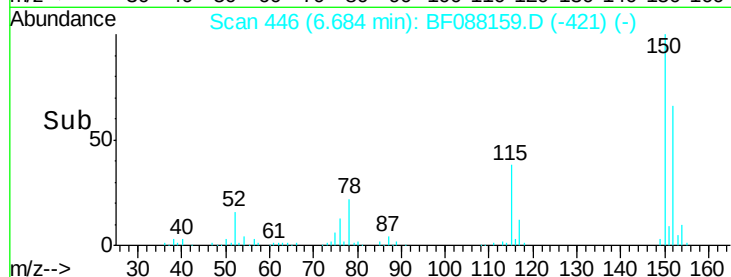
115 57.8 39.6 59.4



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: 64.39 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.00 min

Lab File: BF088159.D

Acq: 19 Jun 2016 3:47

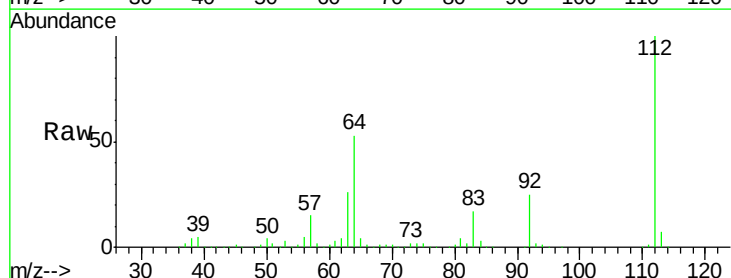
Tgt Ion:112 Resp: 323376

Ion Ratio Lower Upper

112 100

64 52.5 42.2 63.2

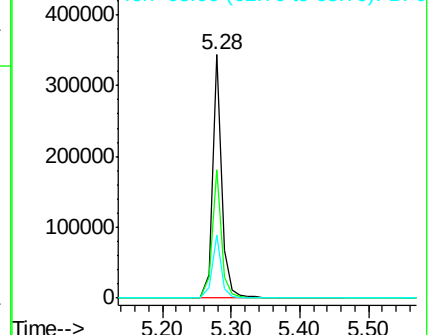
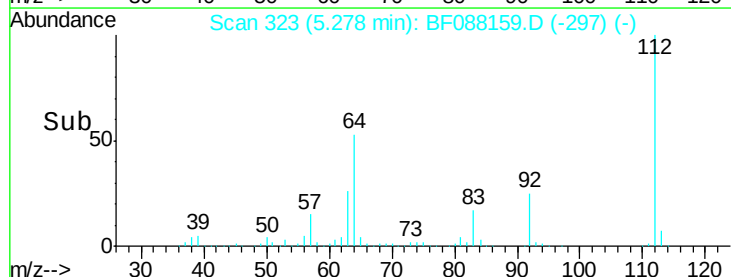
63 26.2 21.8 32.8

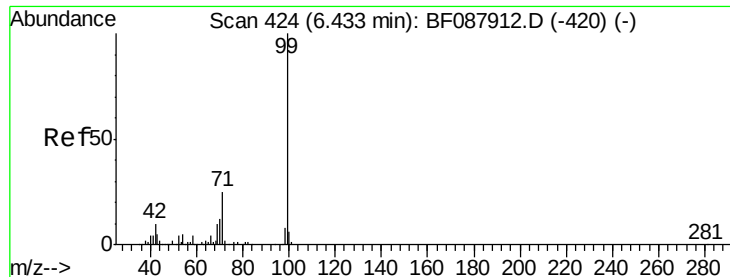


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.96 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088159.D

Acq: 19 Jun 2016 3:47

Instrument :

BNA_F

ClientSampleId :

W-15

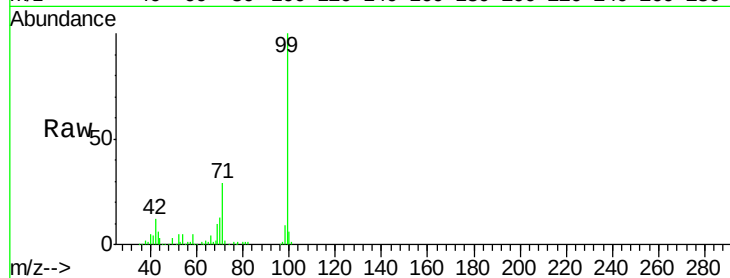
Tgt Ion: 99 Resp: 249337

Ion Ratio Lower Upper

99 100

42 12.3 12.2 18.2

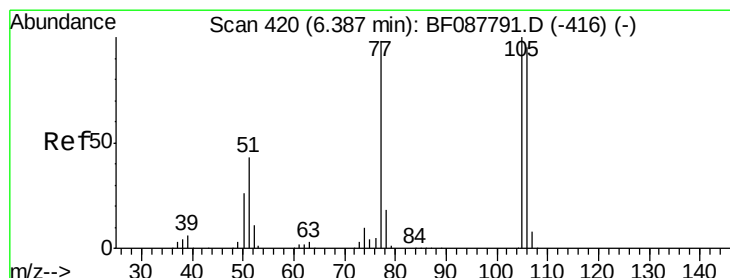
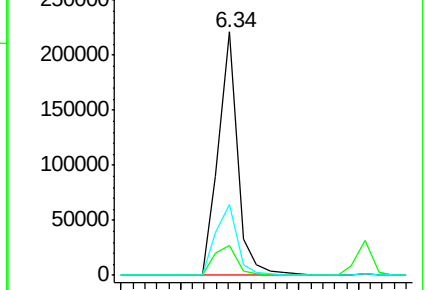
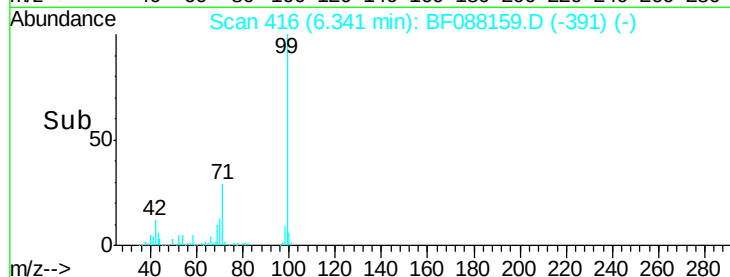
71 28.9 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.63 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.22 min

Lab File: BF088159.D

Acq: 19 Jun 2016 3:47

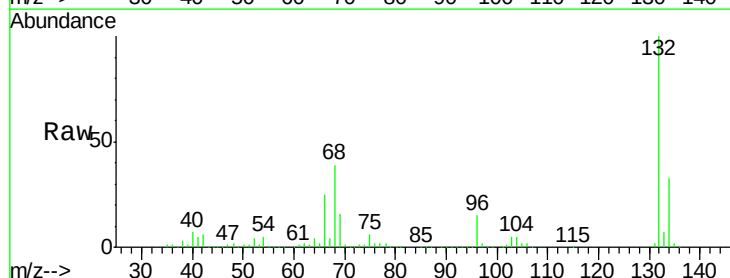
Tgt Ion: 77 Resp: 11119

Ion Ratio Lower Upper

77 100

105 83.0 90.6 130.6#

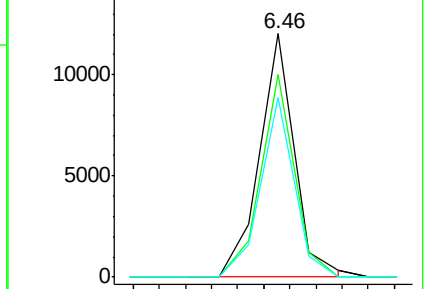
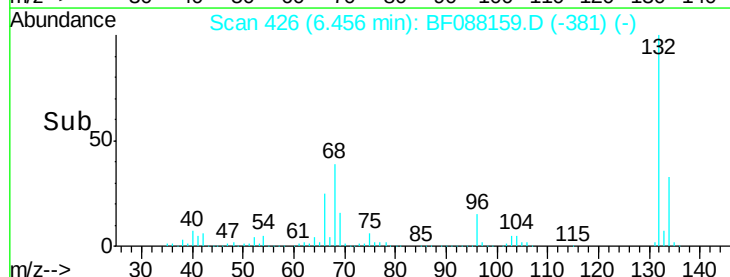
106 73.9 85.3 125.3#

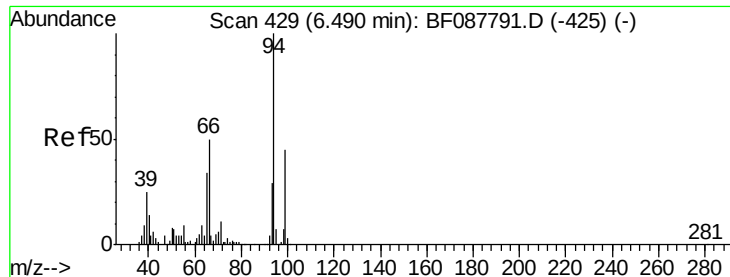


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF088159.D

Acq: 19 Jun 2016 3:47

Instrument :

BNA_F

ClientSampled :

W-15

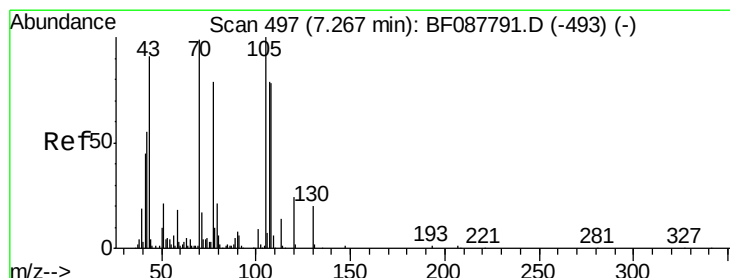
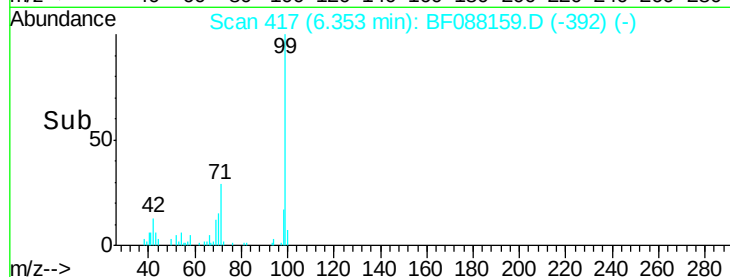
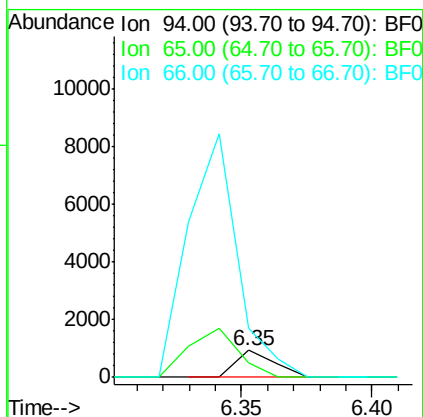
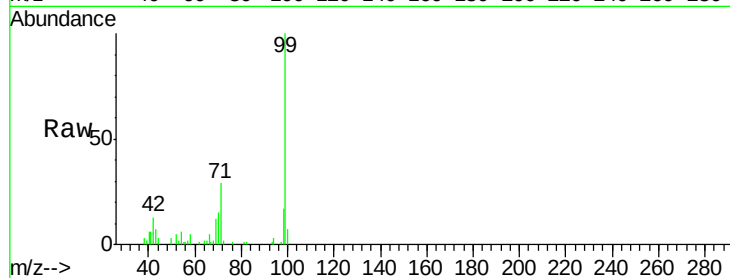
Tgt Ion: 94 Resp: 947

Ion Ratio Lower Upper

94 100

65 55.7 5.9 45.9#

66 182.6 14.0 54.0#



#19

n-Nitroso-di-n-propylamine

Concen: 15.53 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.13 min

Lab File: BF088159.D

Acq: 19 Jun 2016 3:47

Tgt Ion: 70 Resp: 60464

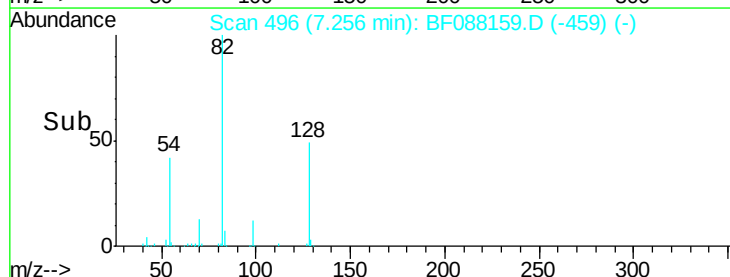
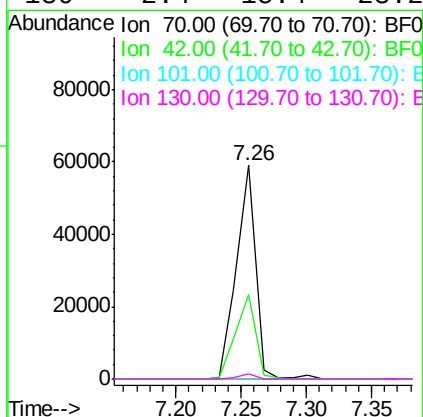
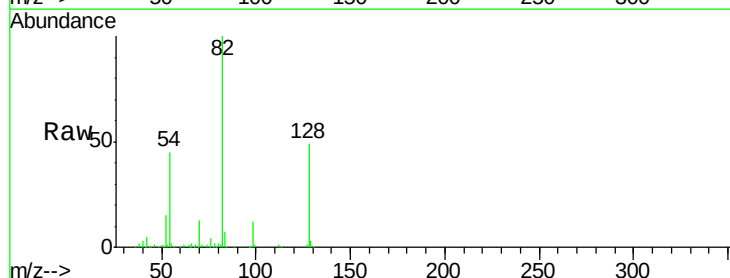
Ion Ratio Lower Upper

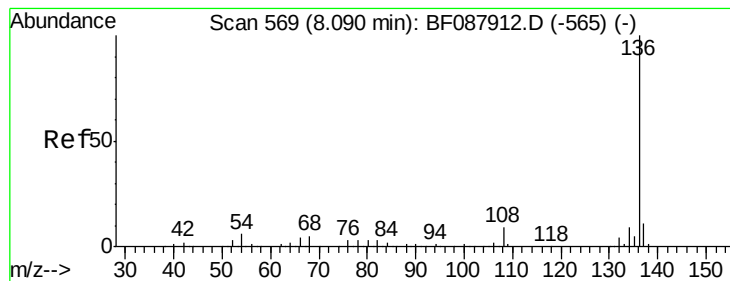
70 100

42 39.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF088159.D

Acq: 19 Jun 2016 3:47

Instrument :

BNA_F

ClientSampleId :

W-15

Tgt Ion: 136 Resp: 295395

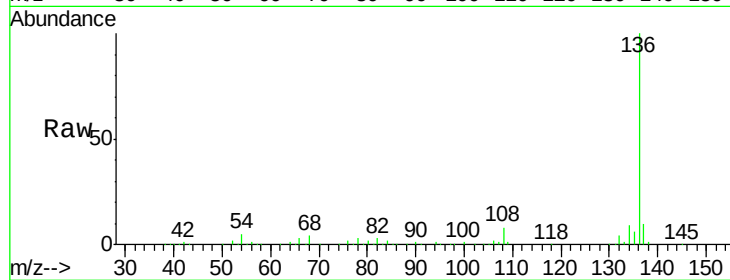
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 4.9 6.6 10.0#

68 4.4 5.1 7.7#

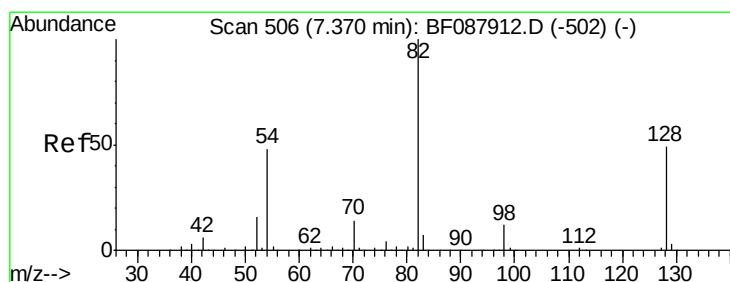
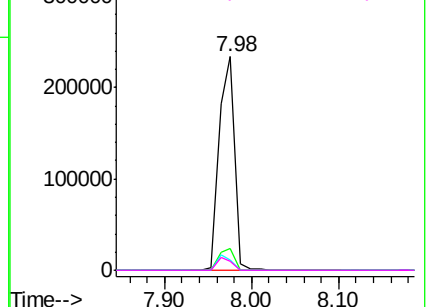
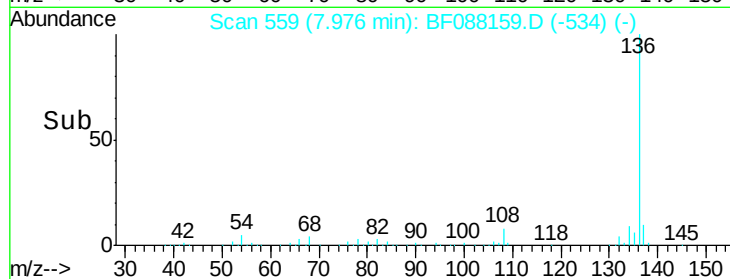


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.09 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF088159.D

Acq: 19 Jun 2016 3:47

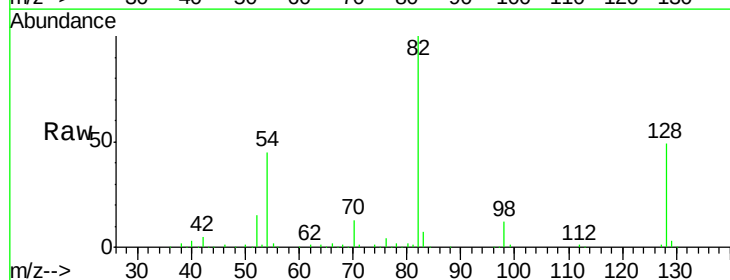
Tgt Ion: 82 Resp: 455729

Ion Ratio Lower Upper

82 100

128 48.6 35.9 53.9

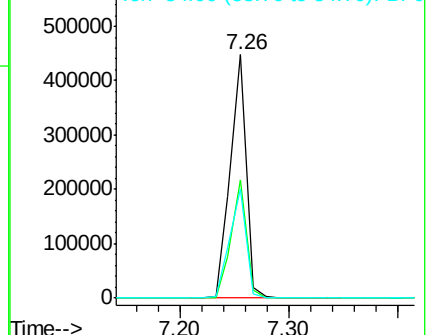
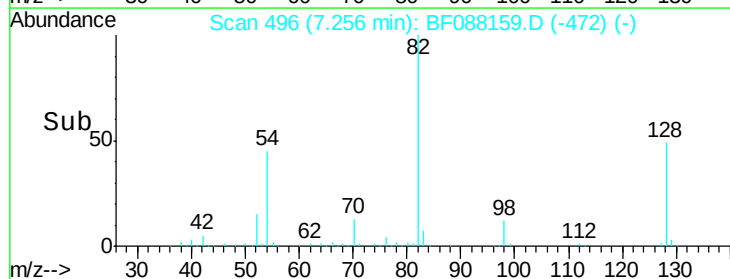
54 44.8 40.9 61.3

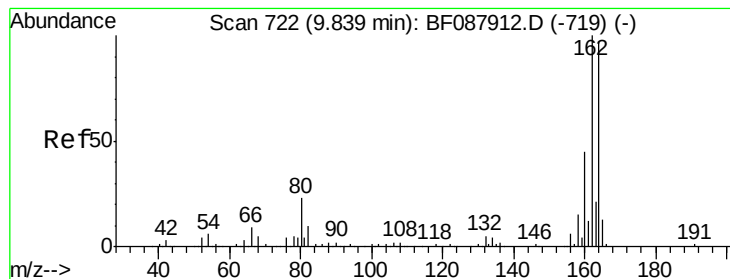


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.72 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF088159.D

Acq: 19 Jun 2016 3:47

Instrument :

BNA_F

ClientSampleId :

W-15

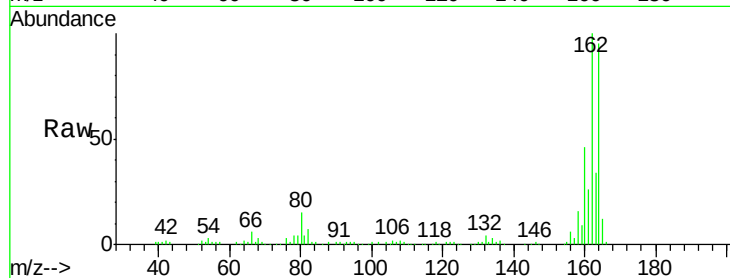
Tgt Ion:164 Resp: 118629

Ion Ratio Lower Upper

164 100

162 105.3 85.4 128.2

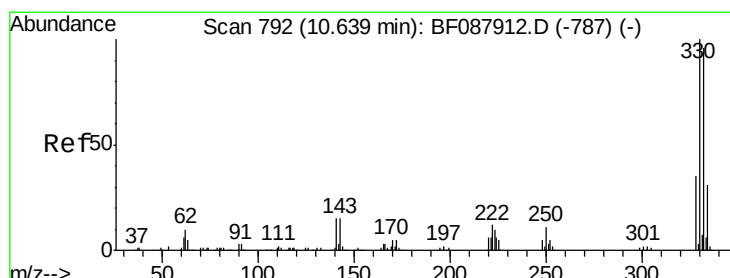
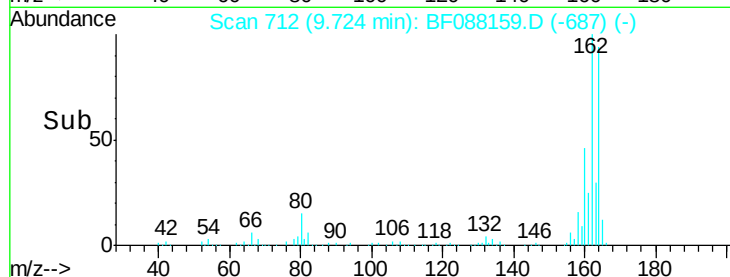
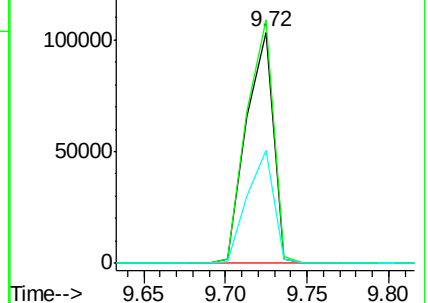
160 48.9 39.5 59.3



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: 111.75 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF088159.D

Acq: 19 Jun 2016 3:47

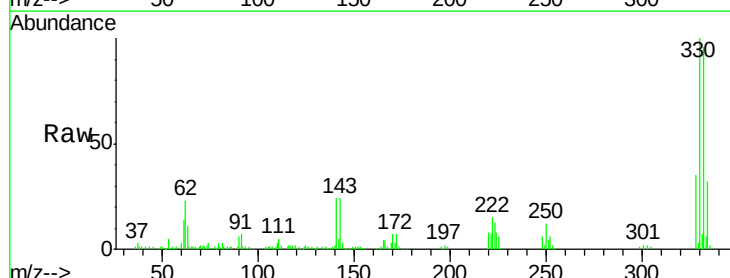
Tgt Ion:330 Resp: 139973

Ion Ratio Lower Upper

330 100

332 96.1 0.0 0.0#

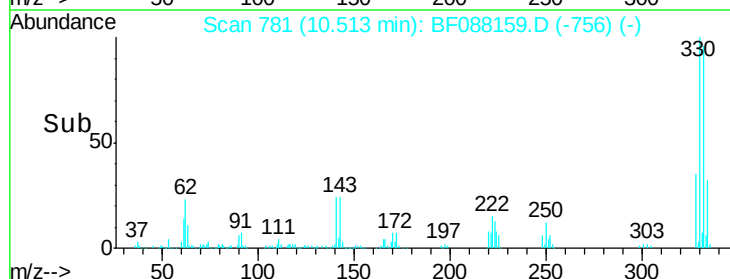
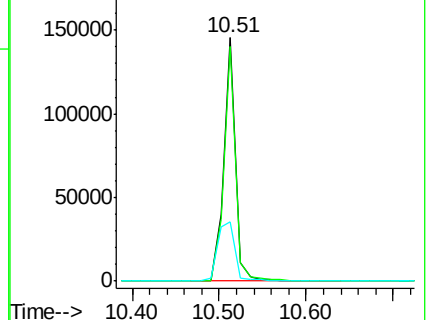
141 36.9 0.0 0.0#

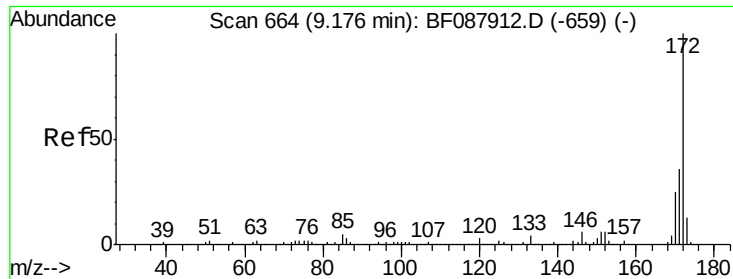


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

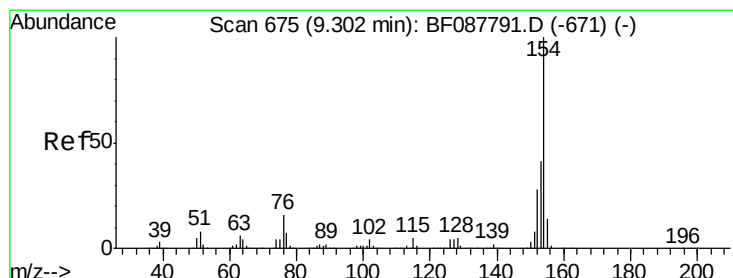
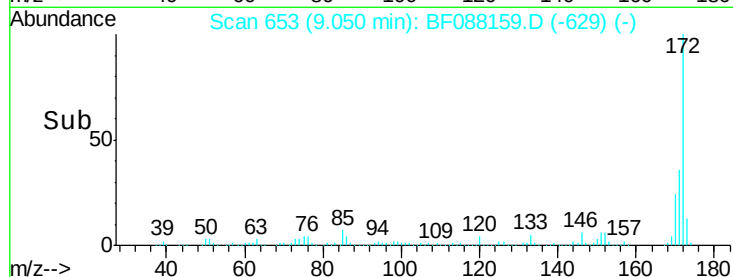
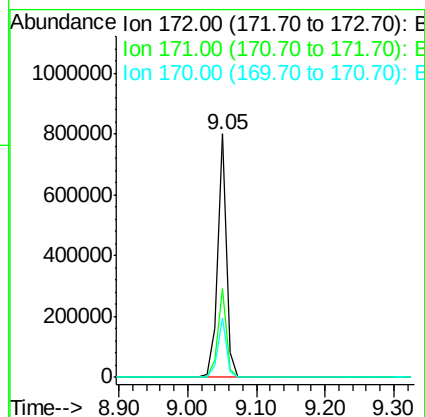
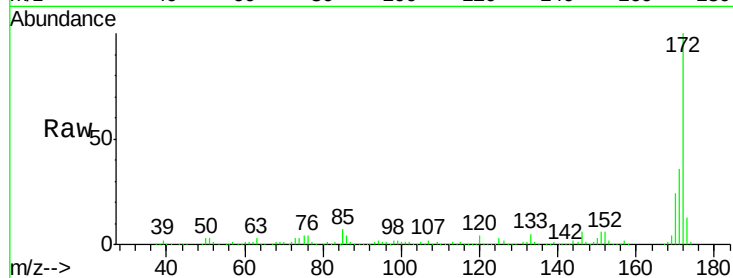




#44
 2-Fluorobiphenyl
 Concen: 97.38 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088159.D
 Acq: 19 Jun 2016 3:47

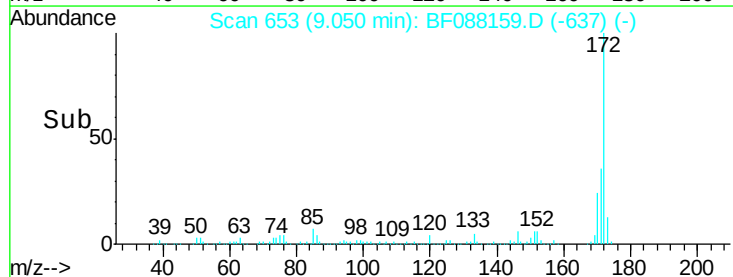
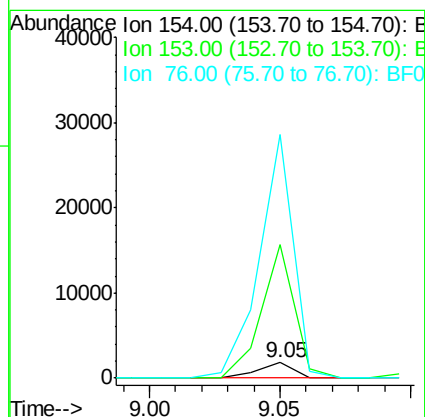
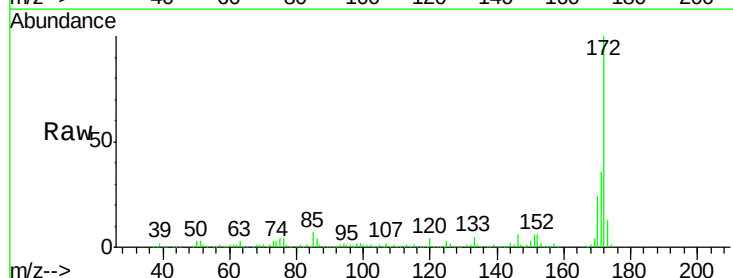
Instrument :
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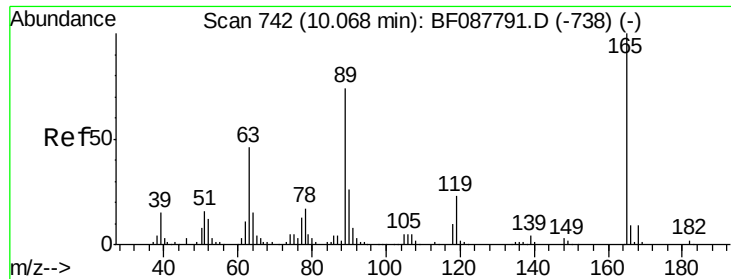
Tgt Ion:172 Resp: 729290
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.2 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.05 min Scan# 653
 Delta R.T. -0.11 min
 Lab File: BF088159.D
 Acq: 19 Jun 2016 3:47

Tgt Ion:154 Resp: 1739
 Ion Ratio Lower Upper
 154 100
 153 852.0 20.6 60.6#
 76 1550.1 0.0 35.1#

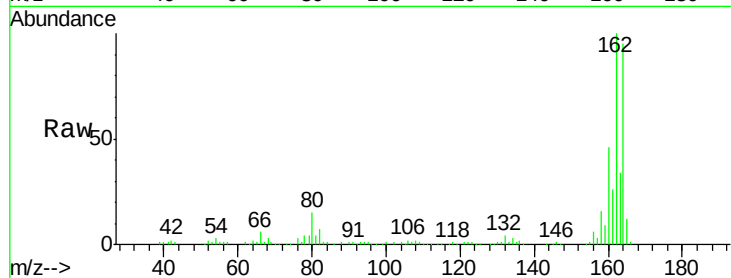




#56
2,4-Dinitrotoluene
Concen: 6.01 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.22 min
Lab File: BF088159.D
Acq: 19 Jun 2016 3:47

Instrument :
BNA_F
ClientSampleId :
W-15

Tgt Ion:	165	Resp:	15199
Ion	Ratio	Lower	Upper
165	100		
63	2.4	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

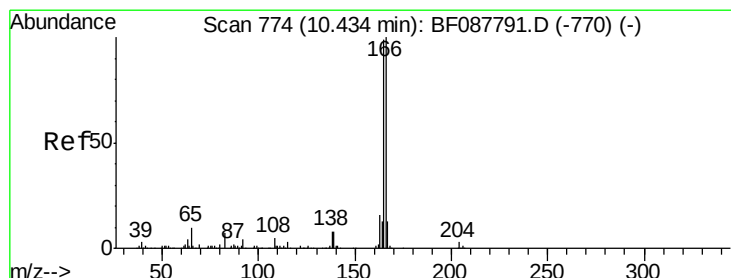
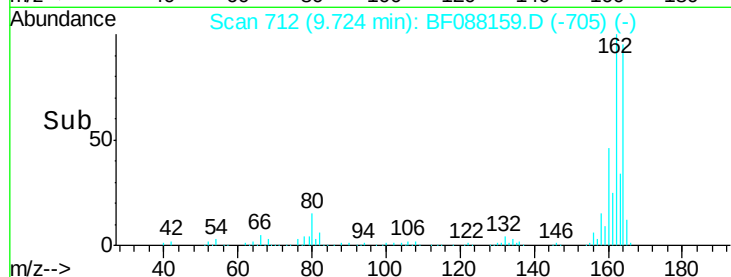
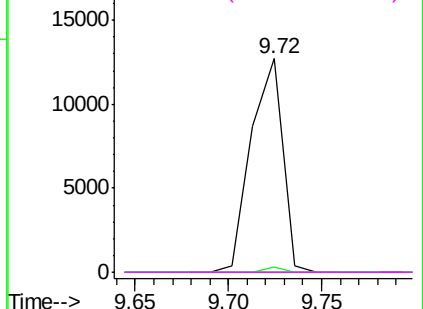


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

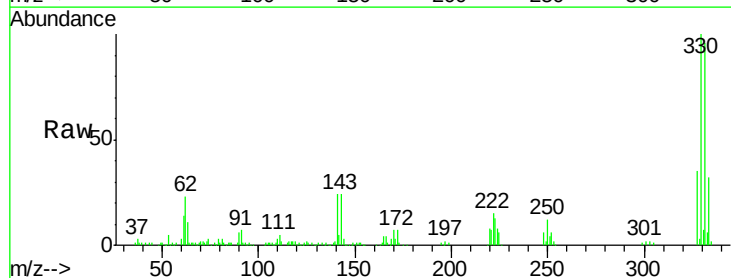
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.51 min Scan# 781
Delta R.T. 0.23 min
Lab File: BF088159.D
Acq: 19 Jun 2016 3:47

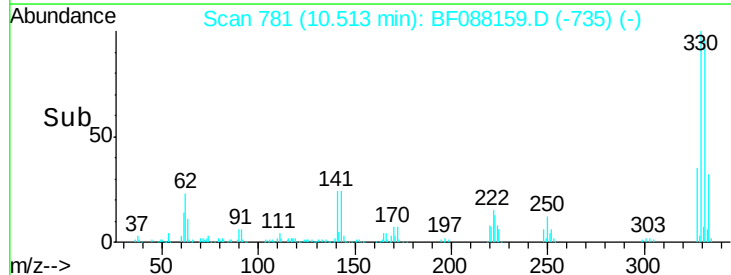
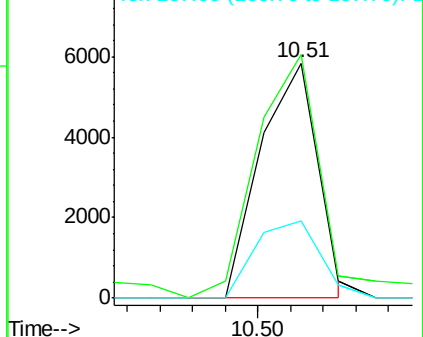
Tgt Ion:	166	Resp:	7127
Ion	Ratio	Lower	Upper
166	100		
165	103.6	77.8	116.8
167	33.0	11.2	16.8#

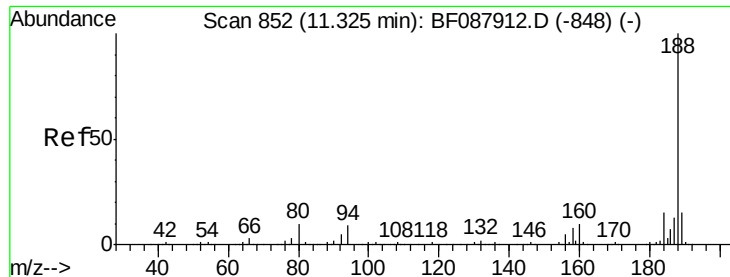


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

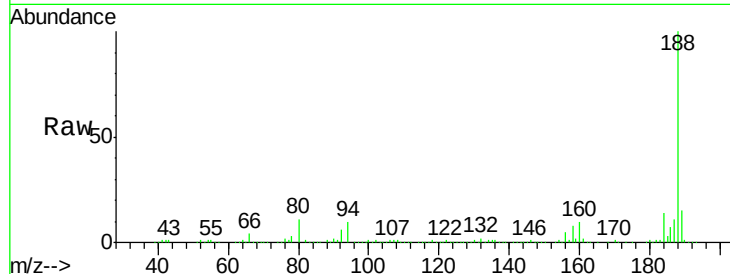




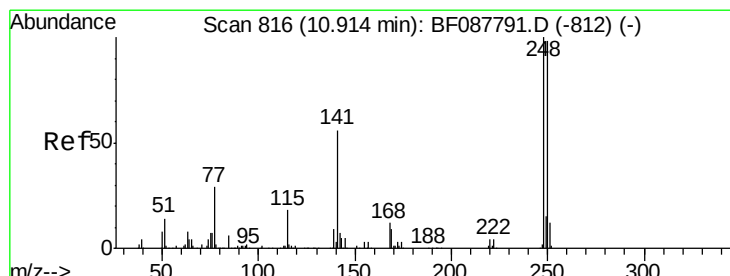
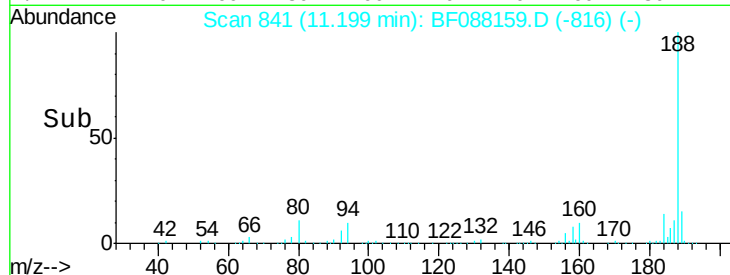
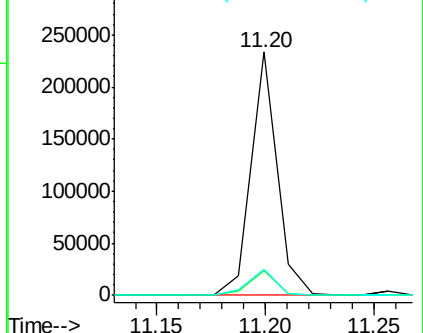
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF088159.D
 Acq: 19 Jun 2016 3:47

Instrument :
 BNA_F
 ClientSampleId :
 W-15

Tgt Ion:188 Resp: 195541
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.0 13.6
 80 10.7 10.0 15.0

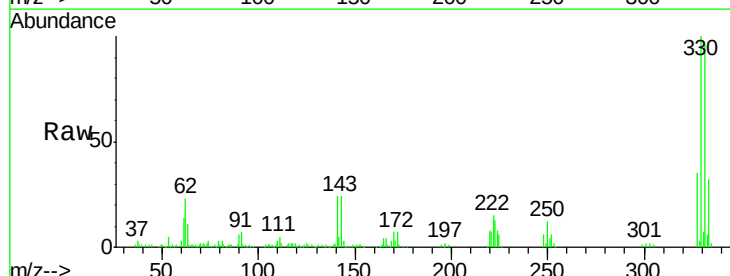


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

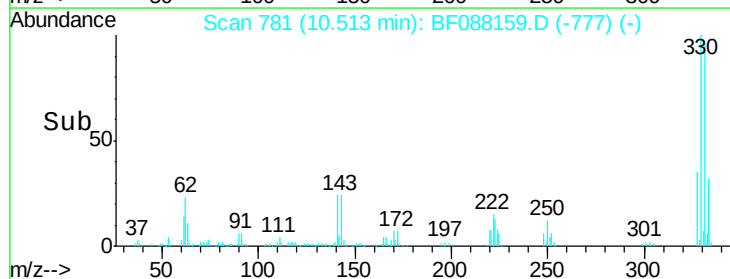
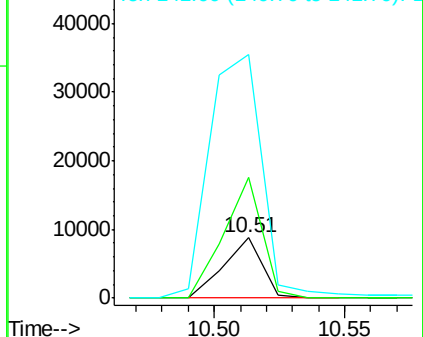


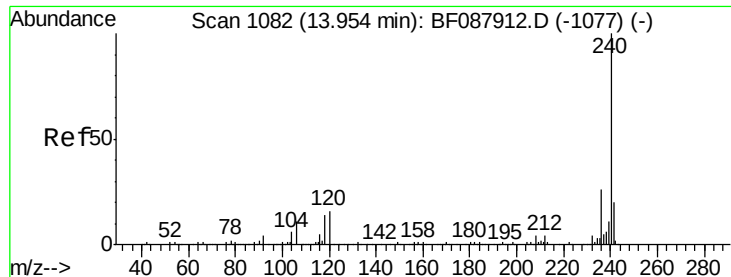
#66
 4-Bromophenyl-phenylether
 Concen: 4.30 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.25 min
 Lab File: BF088159.D
 Acq: 19 Jun 2016 3:47

Tgt Ion:248 Resp: 9031
 Ion Ratio Lower Upper
 248 100
 250 199.7 77.1 115.7#
 141 403.7 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: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088159.D

Acq: 19 Jun 2016 3:47

Instrument :

BNA_F

ClientSampleId :

W-15

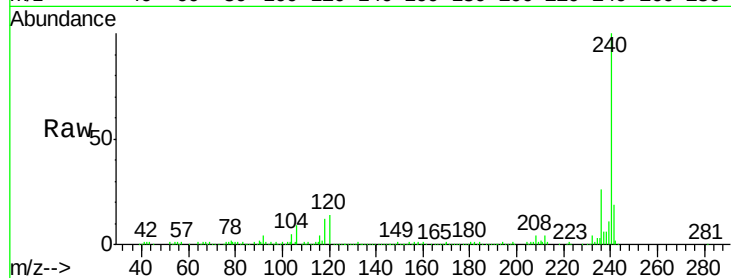
Tgt Ion:240 Resp: 160678

Ion Ratio Lower Upper

240 100

120 13.9 6.8 10.2#

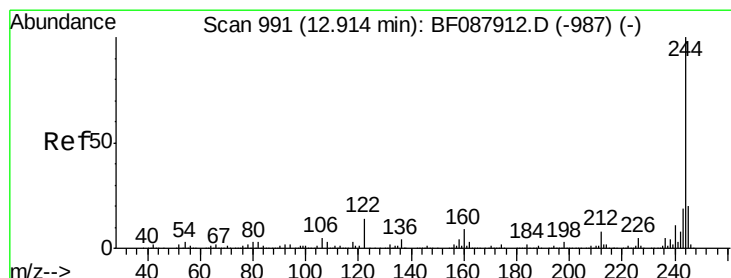
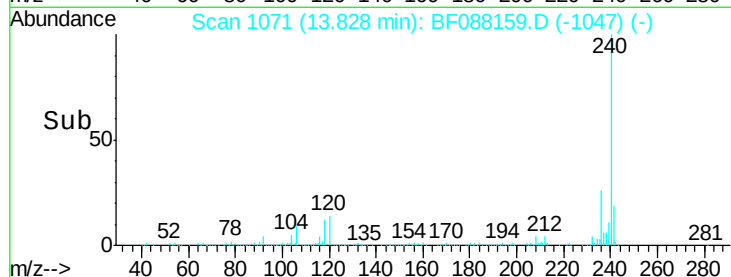
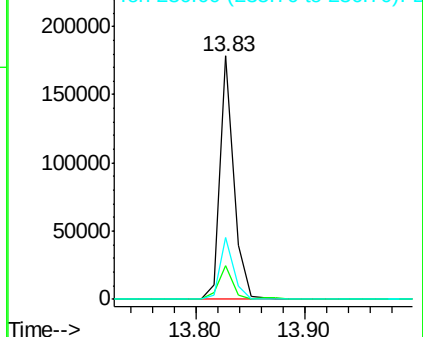
236 25.5 20.2 30.2



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: 78.59 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088159.D

Acq: 19 Jun 2016 3:47

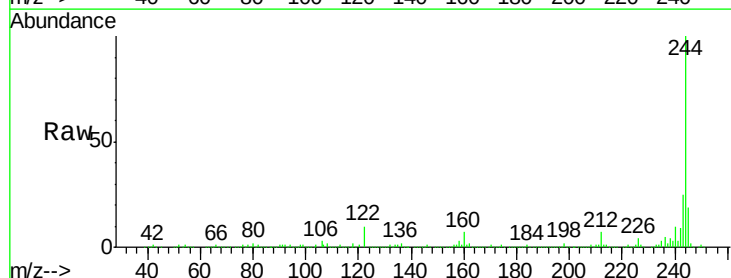
Tgt Ion:244 Resp: 554896

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

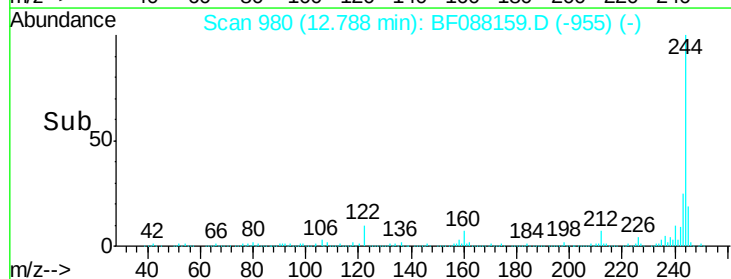
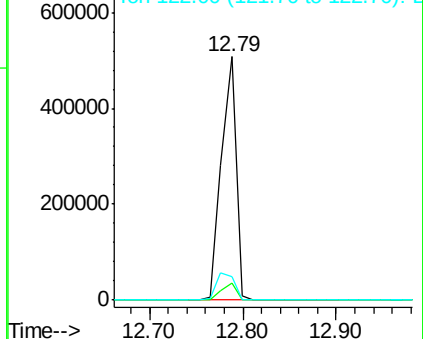
122 9.6 11.2 16.8#

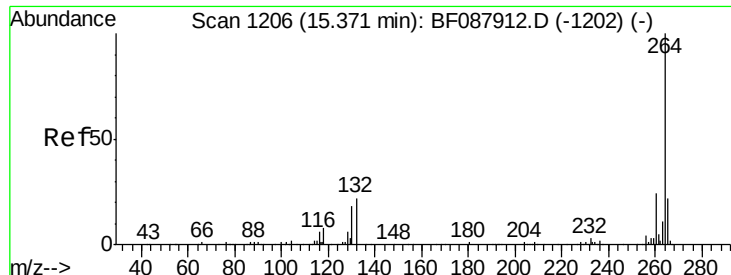


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

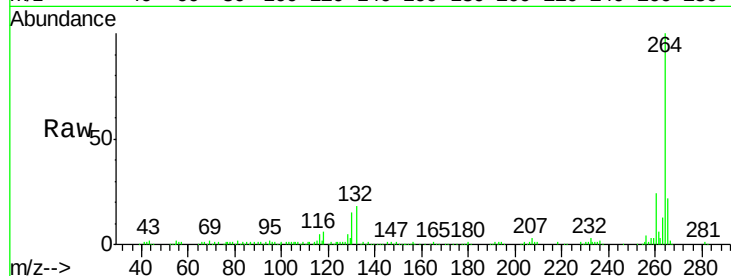




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF088159.D
Acq: 19 Jun 2016 3:47

Instrument :
BNA_F
ClientSampleId :
W-15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.8	16.9	25.3



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

