

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088140.D
 Acq On : 18 Jun 2016 18:08
 Operator : UM/SJ
 Sample : H3501-22
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB14(1-3)

Quant Time: Jun 19 07:45:12 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

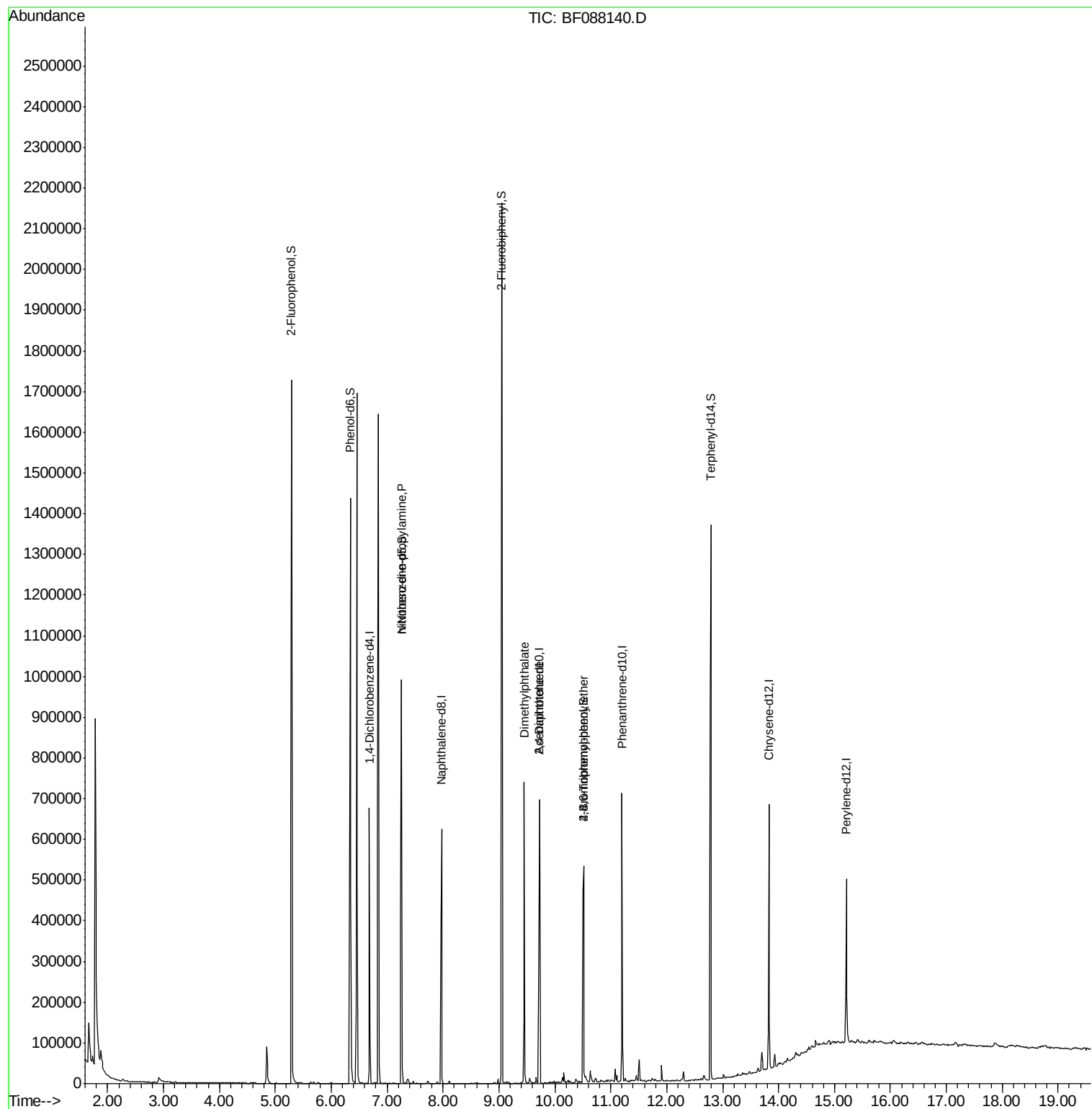
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	99009	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	374700	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	153260	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	243992	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	208488	20.00	ng	-0.02
86) Perylene-d12	15.21	264	158329	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	551649	95.25	ng	0.01
7) Phenol-d6	6.34	99	614547	87.56	ng	-0.01
23) Nitrobenzene-d5	7.26	82	354136	55.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	90722	56.06	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	669799	67.52	ng	-0.02
78) Terphenyl-d14	12.79	244	544225	59.40	ng	-0.01
Target Compounds						
10) Phenol	6.35	94	5026	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.26	70	45926	10.23	ng	# 69
45) 1,1'-Biphenyl	9.05	154	1298	Below Cal	#	1
49) Dimethylphthalate	9.45	163	304934	27.47	ng	99
56) 2,4-Dinitrotoluene	9.72	165	19100	5.85	ng	# 37
57) Fluorene	10.50	166	4737	Below Cal	#	87
66) 4-Bromophenyl-phenylether	10.51	248	6079	2.32	ng	# 1

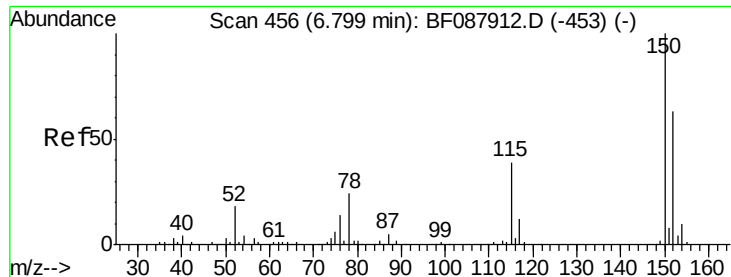
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF088140.D

Acq: 18 Jun 2016 18:08

Instrument :

BNA_F

ClientSampleId :

SB14(1-3)

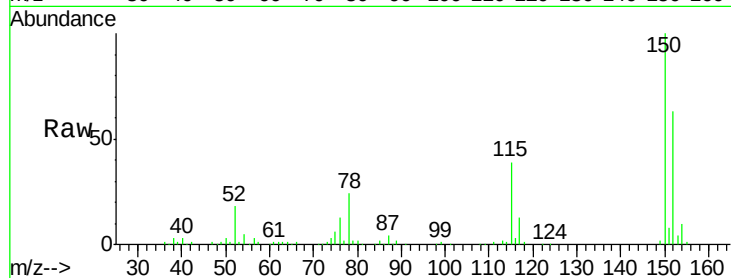
Tgt Ion:152 Resp: 99009

Ion Ratio Lower Upper

152 100

150 158.9 123.8 185.6

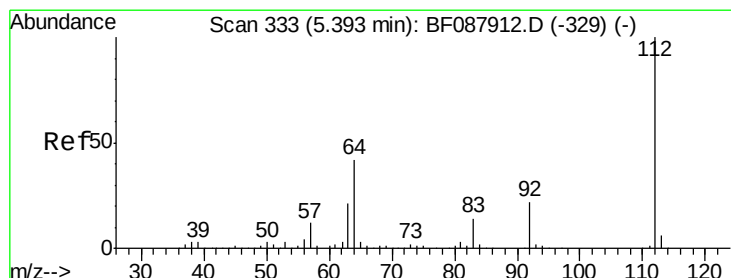
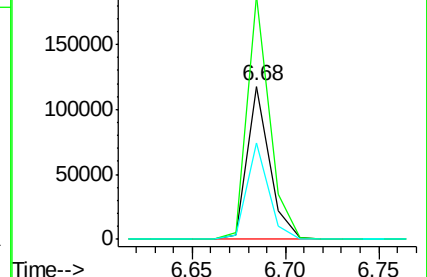
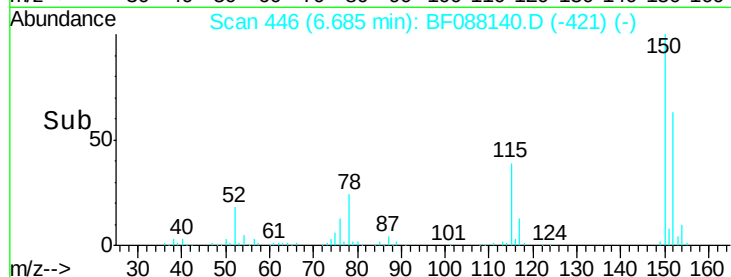
115 62.6 39.6 59.4#



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: 95.25 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF088140.D

Acq: 18 Jun 2016 18:08

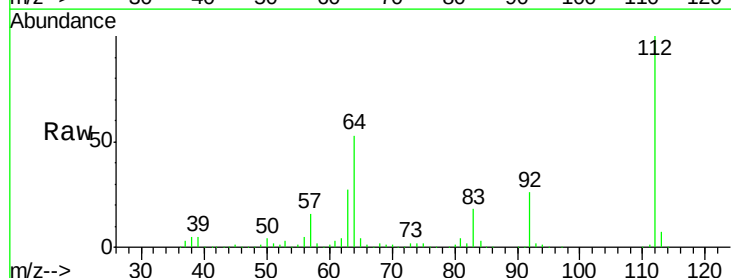
Tgt Ion:112 Resp: 551649

Ion Ratio Lower Upper

112 100

64 53.5 42.2 63.2

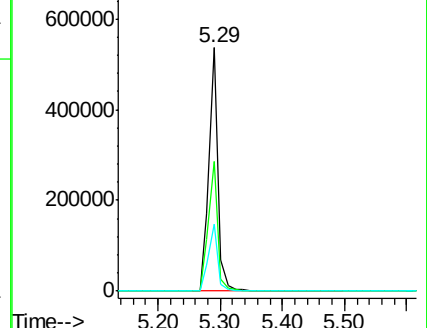
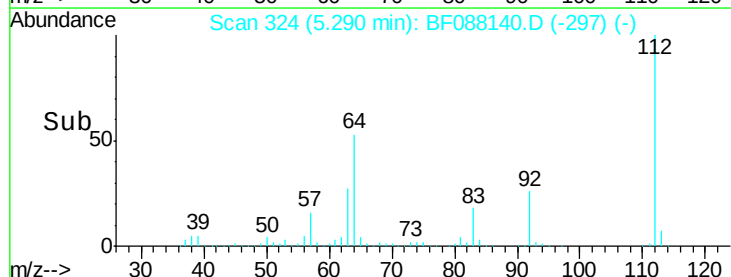
63 27.3 21.8 32.8

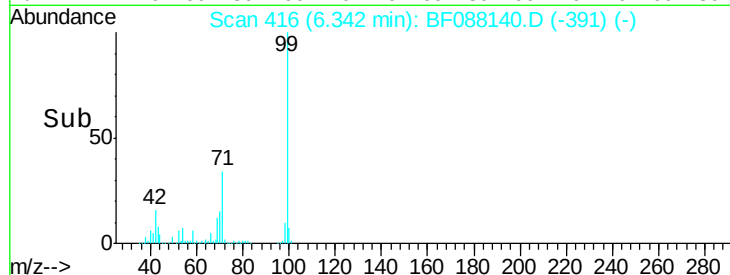
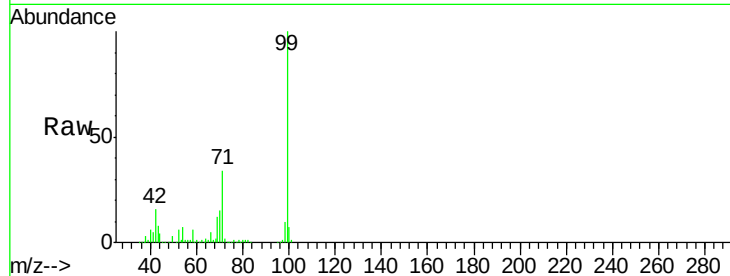
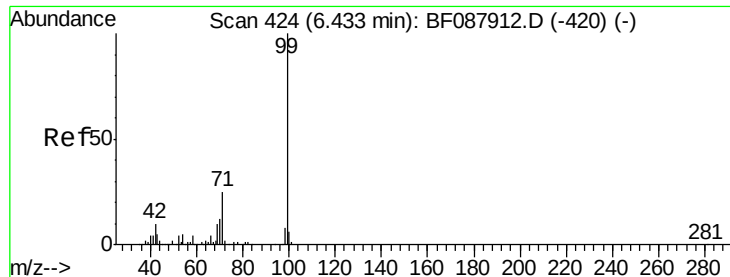


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 87.56 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088140.D

Acq: 18 Jun 2016 18:08

Instrument :

BNA_F

ClientSampleId :

SB14(1-3)

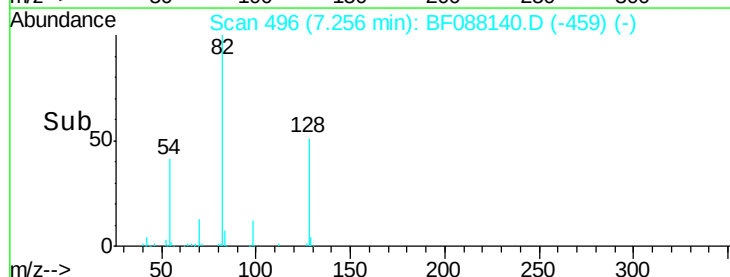
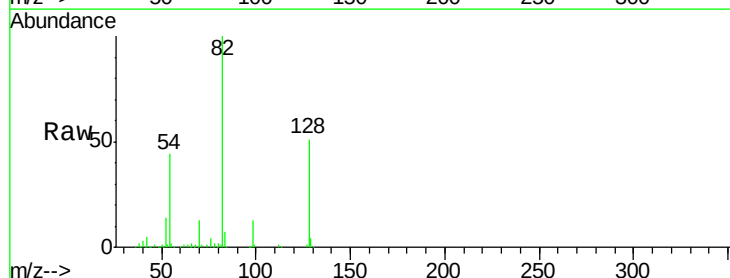
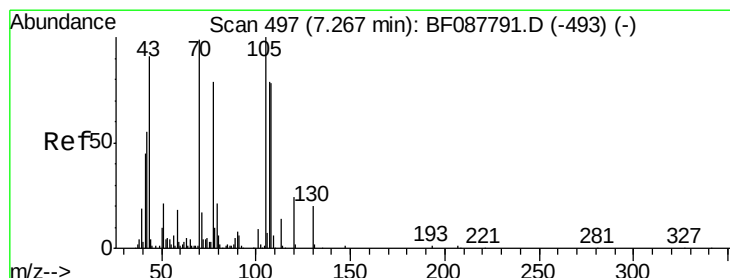
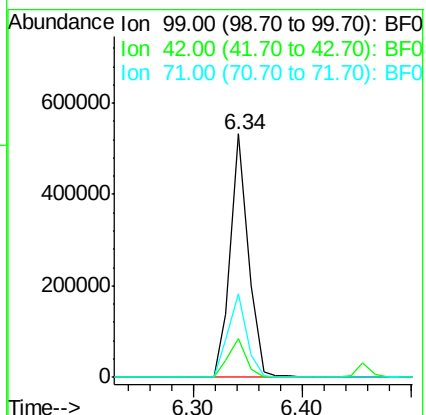
Tgt Ion: 99 Resp: 614547

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

71 34.3 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.23 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.13 min

Lab File: BF088140.D

Acq: 18 Jun 2016 18:08

Tgt Ion: 70 Resp: 45926

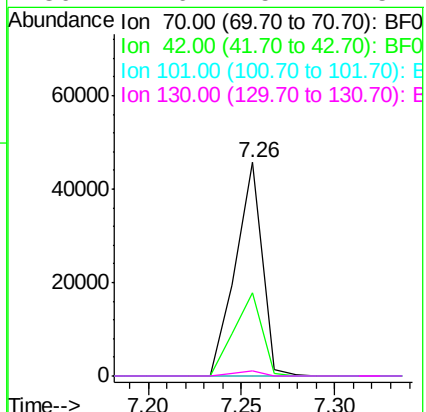
Ion Ratio Lower Upper

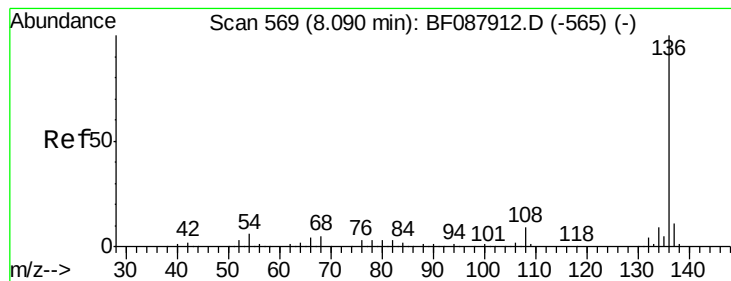
70 100

42 38.7 49.6 74.4#

101 0.0 7.1 10.7#

130 2.6 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: BF088140.D

Acq: 18 Jun 2016 18:08

Instrument :

BNA_F

ClientSampleId :

SB14(1-3)

Tgt Ion:136 Resp: 374700

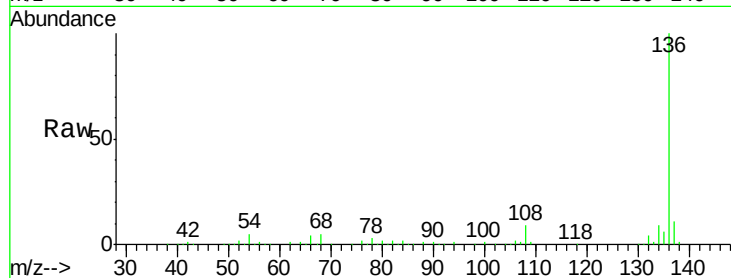
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.0 6.6 10.0#

68 4.6 5.1 7.7#

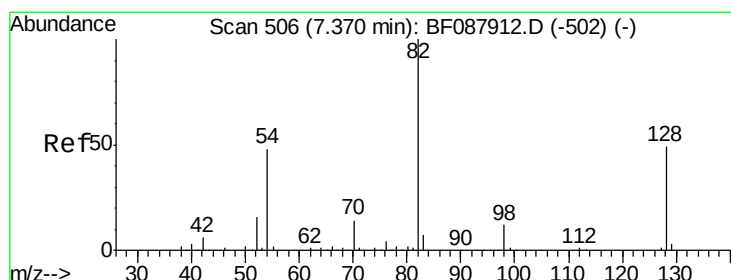
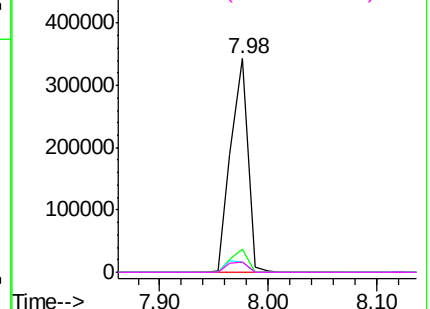
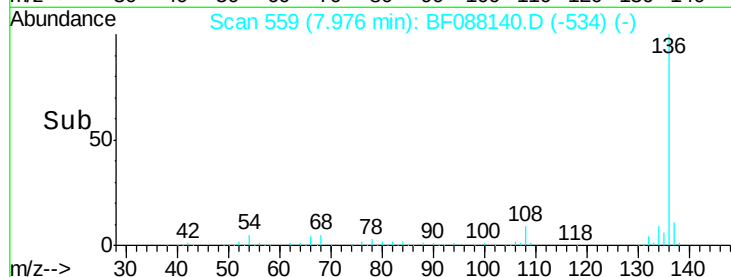


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.19 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF088140.D

Acq: 18 Jun 2016 18:08

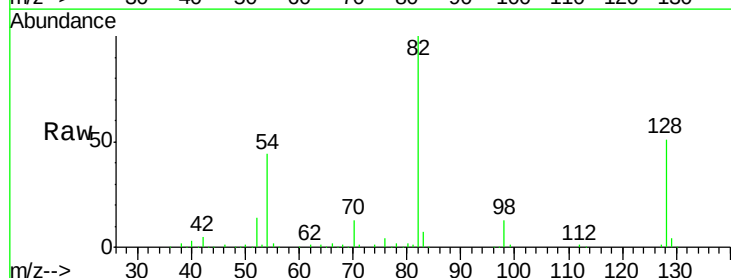
Tgt Ion: 82 Resp: 354136

Ion Ratio Lower Upper

82 100

128 50.8 35.9 53.9

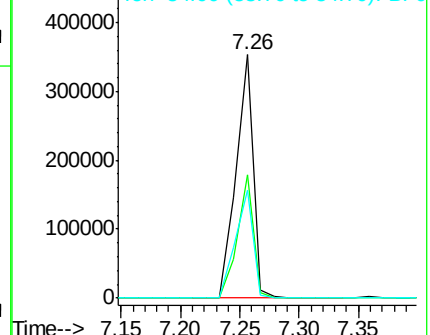
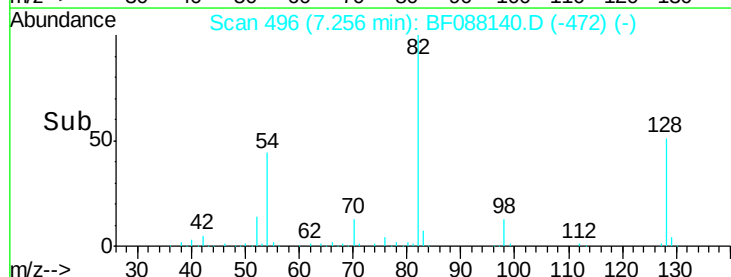
54 44.1 40.9 61.3

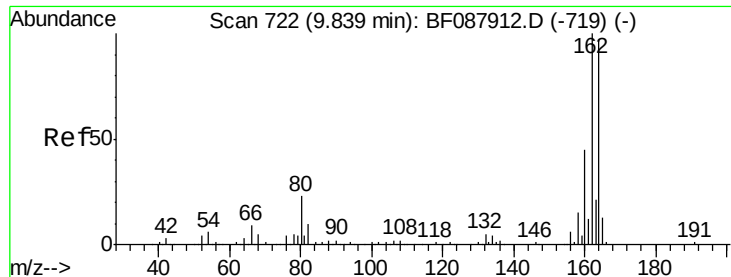


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF088140.D

Acq: 18 Jun 2016 18:08

Instrument :

BNA_F

ClientSampleId :

SB14(1-3)

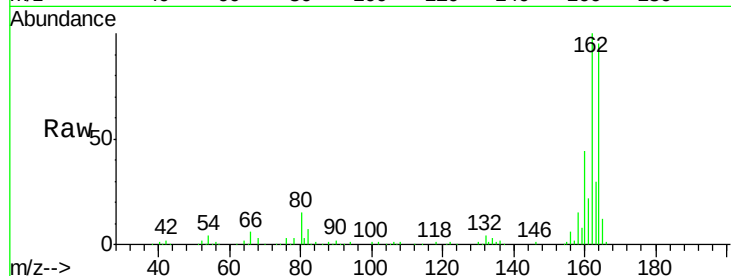
Tgt Ion:164 Resp: 153260

Ion Ratio Lower Upper

164 100

162 105.4 85.4 128.2

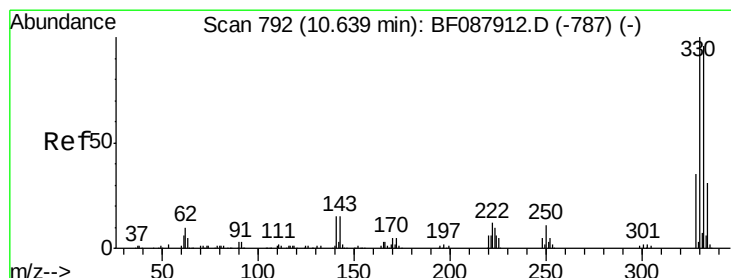
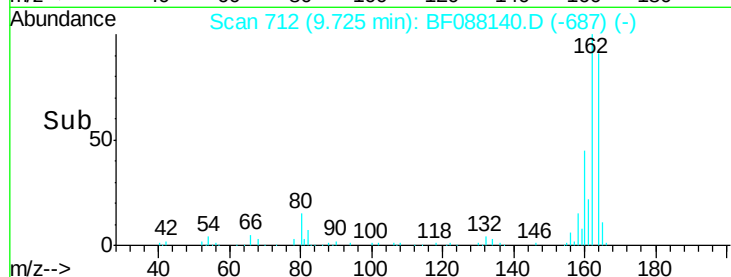
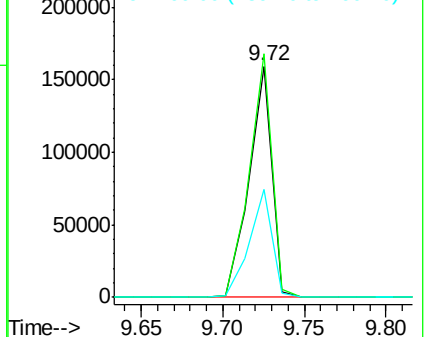
160 46.9 39.5 59.3



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: 56.06 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF088140.D

Acq: 18 Jun 2016 18:08

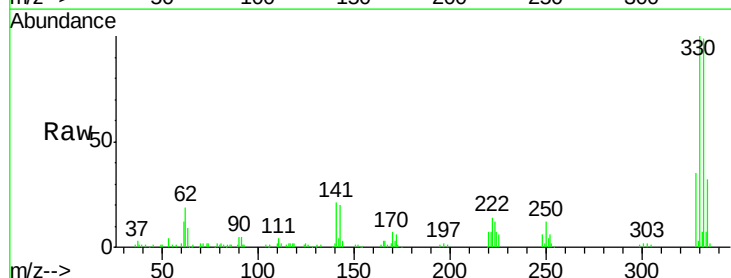
Tgt Ion:330 Resp: 90722

Ion Ratio Lower Upper

330 100

332 97.8 0.0 0.0#

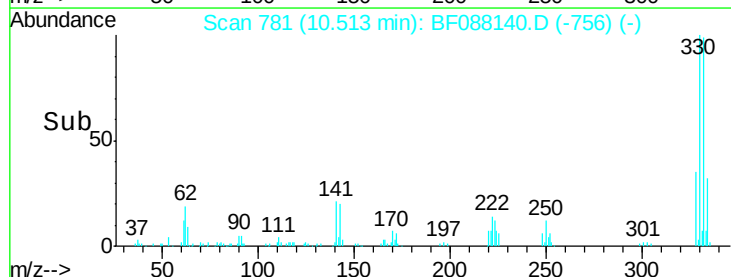
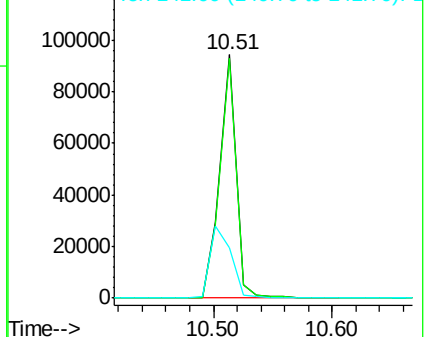
141 37.4 0.0 0.0#

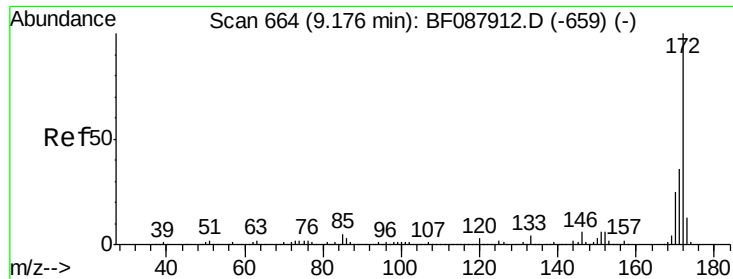


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

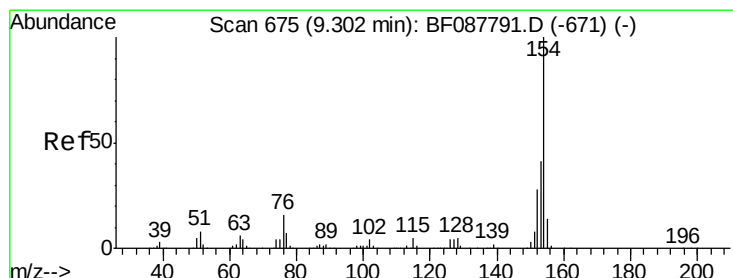
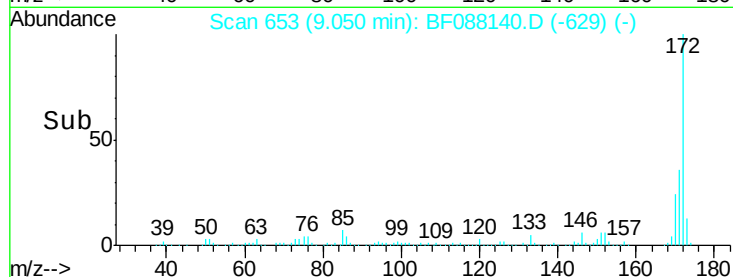
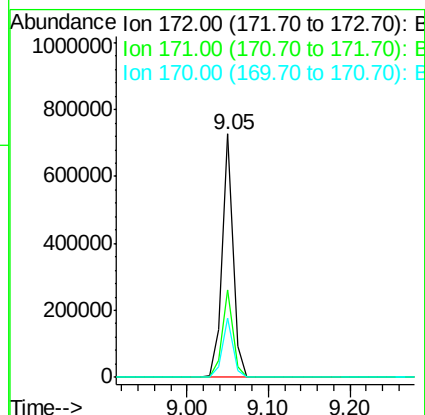
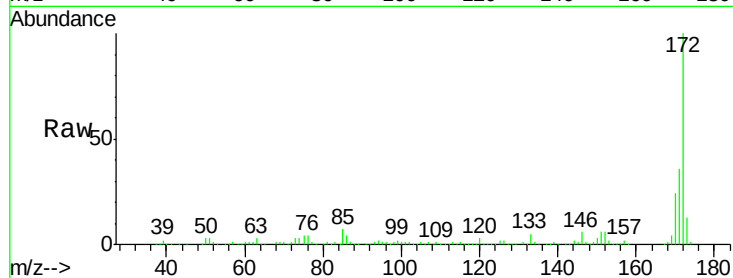




#44
 2-Fluorobiphenyl
 Concen: 67.52 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088140.D
 Acq: 18 Jun 2016 18:08

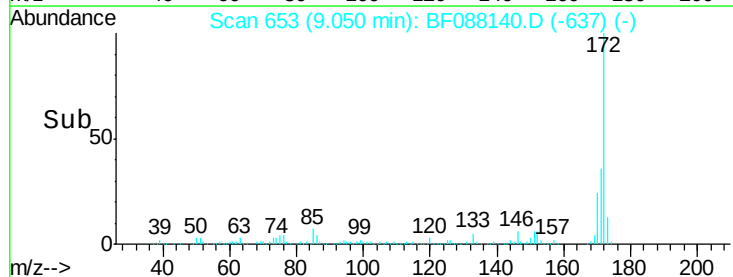
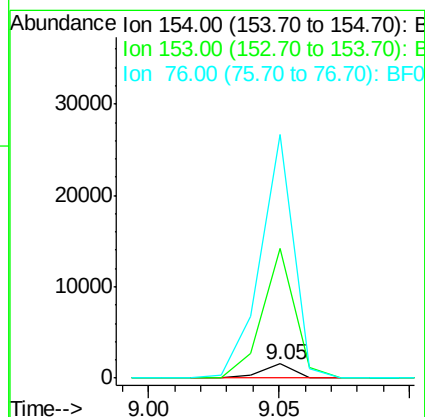
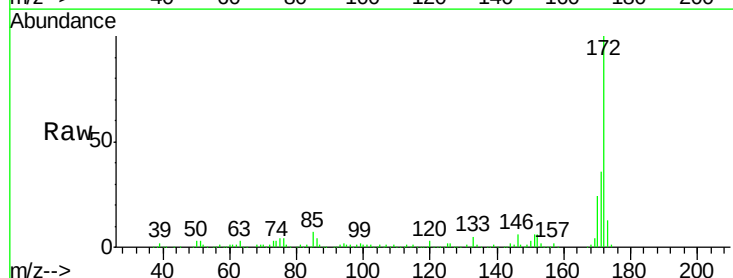
Instrument :
 BNA_F
 ClientSampleId :
 SB14(1-3)

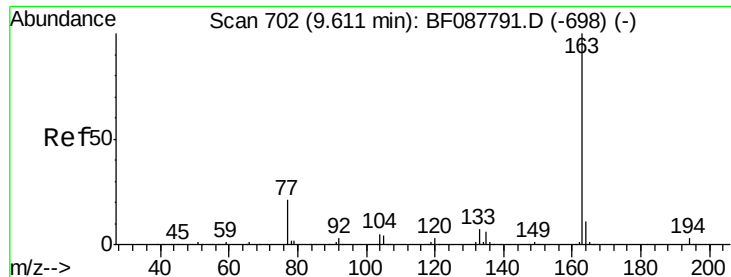
Tgt Ion:172 Resp: 669799
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 24.1 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.05 min Scan# 653
 Delta R.T. -0.11 min
 Lab File: BF088140.D
 Acq: 18 Jun 2016 18:08

Tgt Ion:154 Resp: 1298
 Ion Ratio Lower Upper
 154 100
 153 914.2 20.6 60.6#
 76 1715.3 0.0 35.1#





#49

Dimethylphthalate

Concen: 27.47 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088140.D

Acq: 18 Jun 2016 18:08

Instrument :

BNA_F

ClientSampleId :

SB14(1-3)

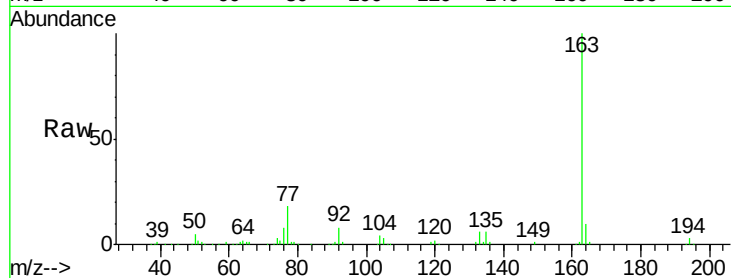
Tgt Ion:163 Resp: 304934

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

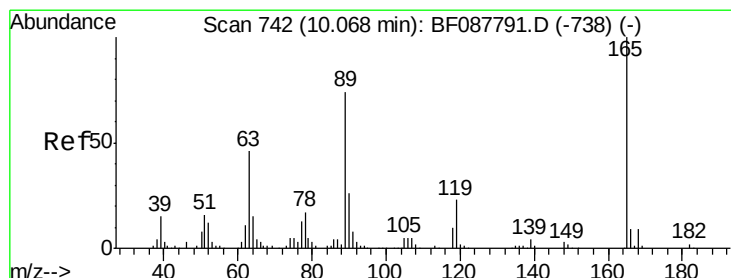
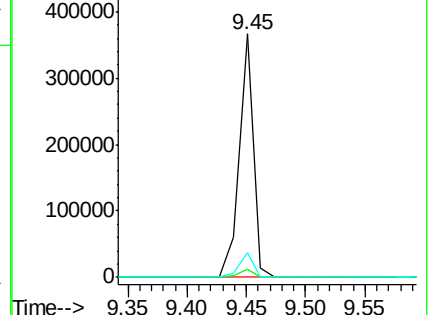
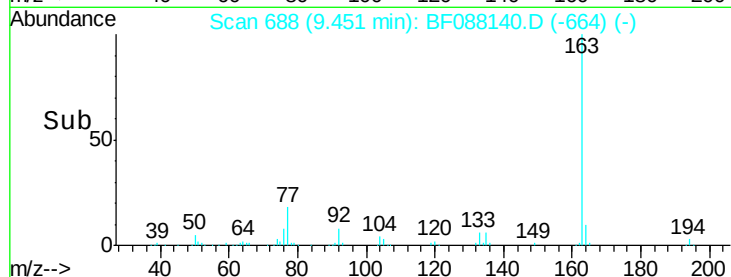
164 10.0 8.3 12.5



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: 5.85 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088140.D

Acq: 18 Jun 2016 18:08

Tgt Ion:165 Resp: 19100

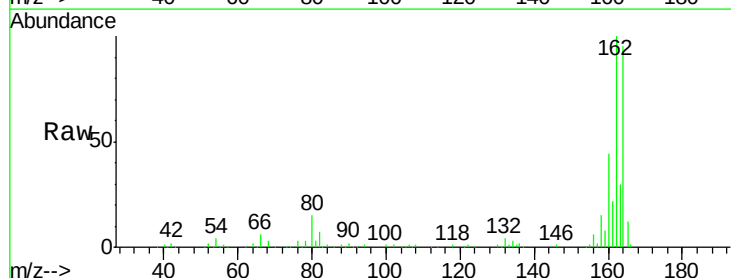
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.8 41.1 61.7#

182 0.0 2.0 3.0#

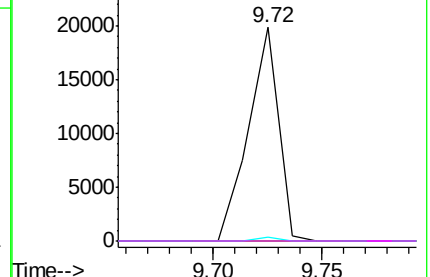
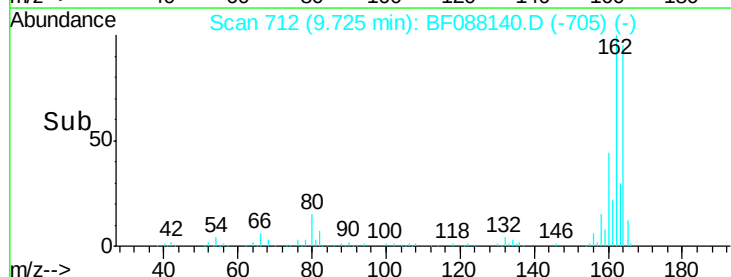


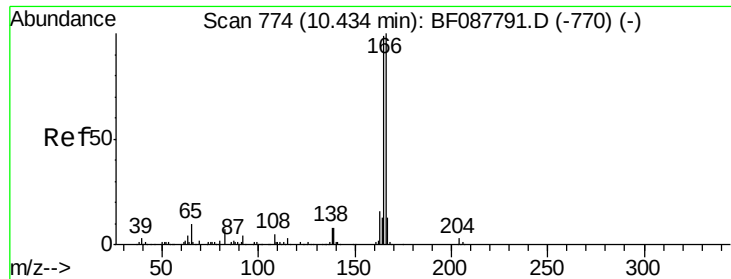
Abundance Ion 165.00 (164.70 to 165.70): E

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

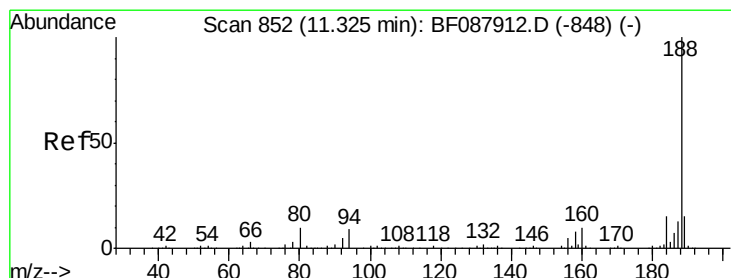
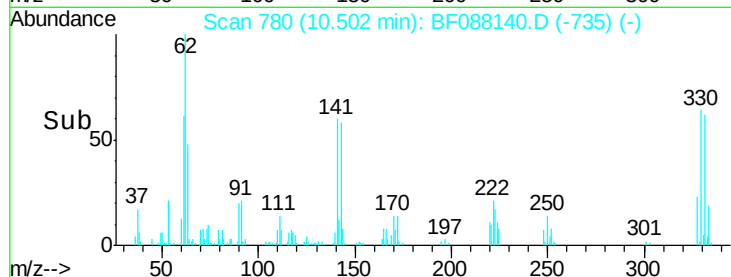
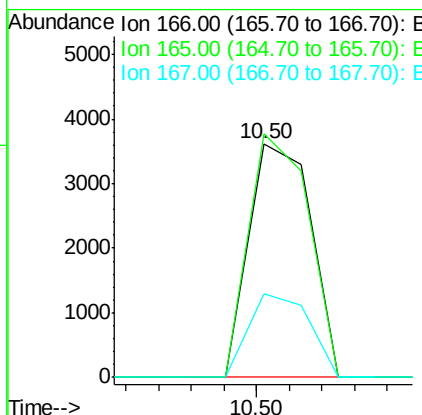
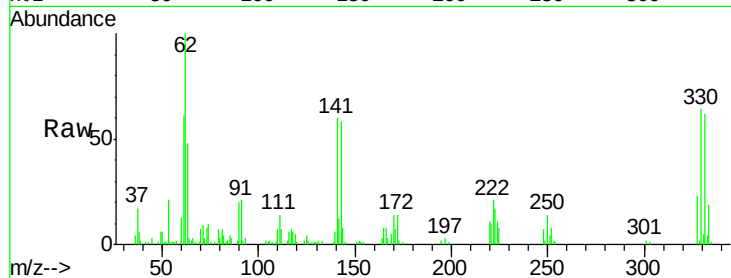




#57
 Fluorene
 Concen: Below Cal
 RT: 10.50 min Scan# 780
 Delta R.T. 0.22 min
 Lab File: BF088140.D
 Acq: 18 Jun 2016 18:08

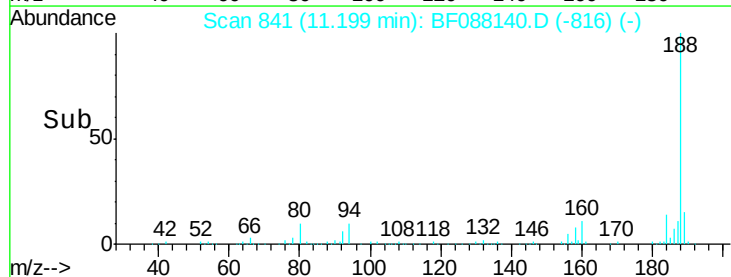
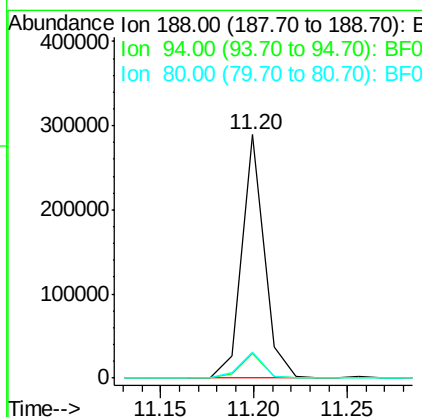
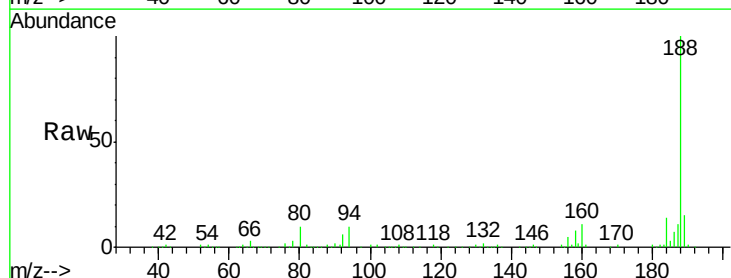
Instrument :
 BNA_F
 ClientSampleId :
 SB14(1-3)

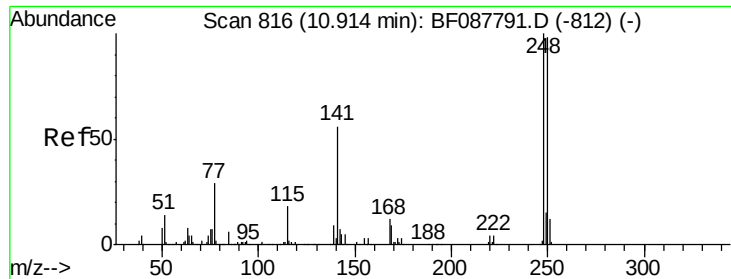
Tgt Ion:166 Resp: 4737
 Ion Ratio Lower Upper
 166 100
 165 104.3 77.8 116.8
 167 35.7 11.2 16.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF088140.D
 Acq: 18 Jun 2016 18:08

Tgt Ion:188 Resp: 243992
 Ion Ratio Lower Upper
 188 100
 94 10.0 9.0 13.6
 80 10.5 10.0 15.0

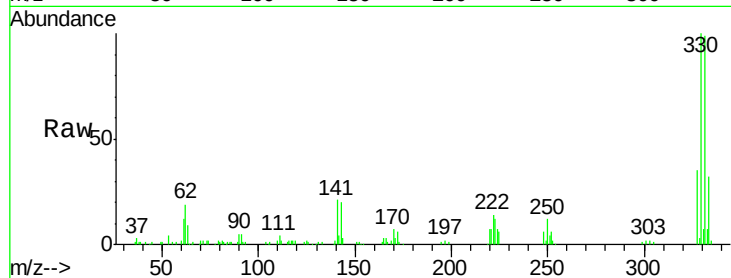




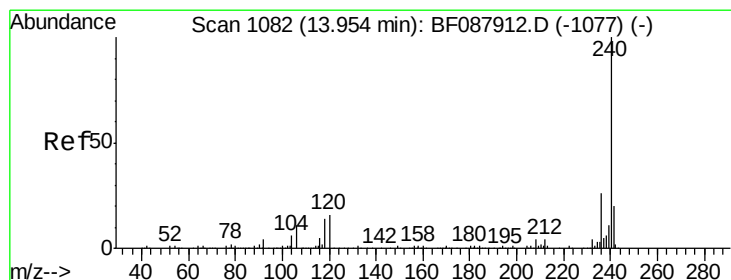
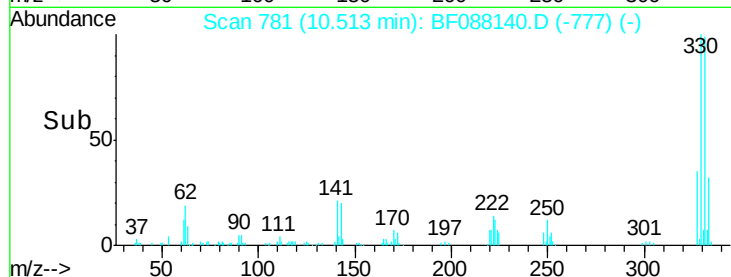
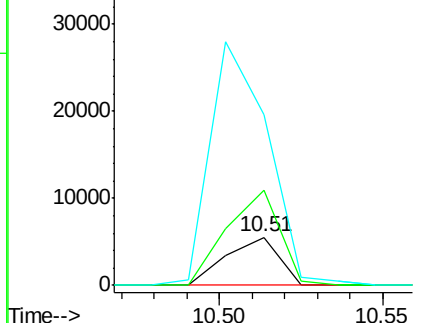
#66
 4-Bromophenyl-phenylether
 Concen: 2.32 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.25 min
 Lab File: BF088140.D
 Acq: 18 Jun 2016 18:08

Instrument :
 BNA_F
 ClientSampleId :
 SB14(1-3)

Tgt Ion: 248 Resp: 6079
 Ion Ratio Lower Upper
 248 100
 250 197.5 77.1 115.7#
 141 356.2 50.6 76.0#

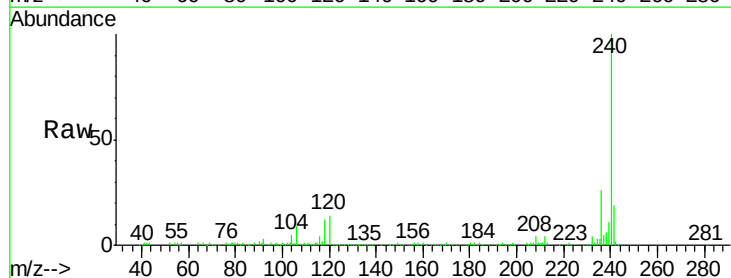


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

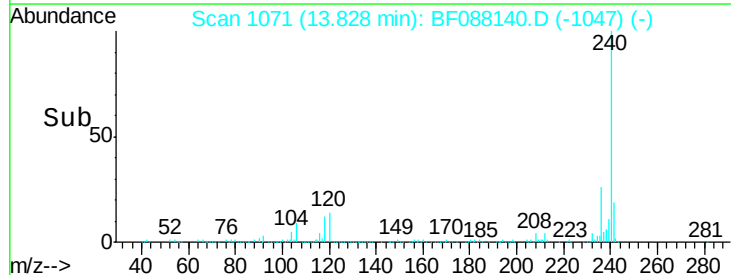
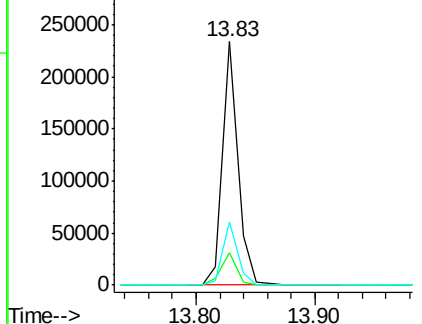


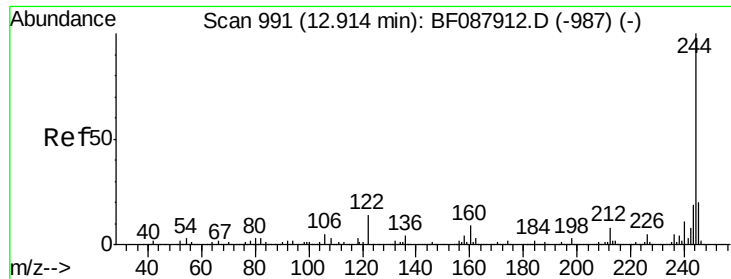
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.83 min Scan# 1071
 Delta R.T. -0.02 min
 Lab File: BF088140.D
 Acq: 18 Jun 2016 18:08

Tgt Ion: 240 Resp: 208488
 Ion Ratio Lower Upper
 240 100
 120 13.5 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

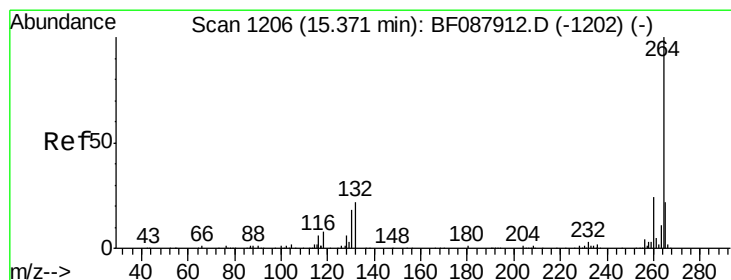
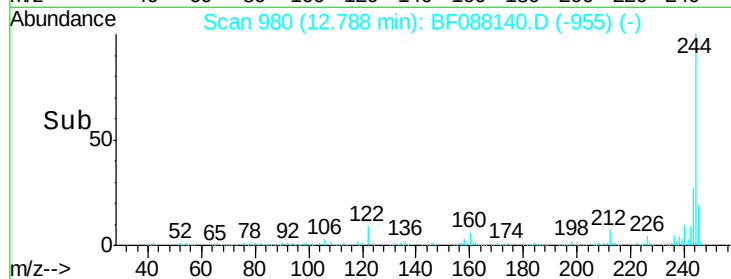
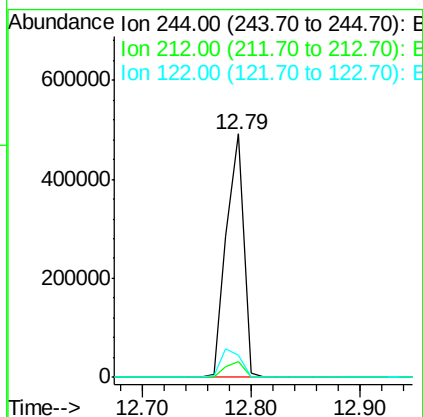
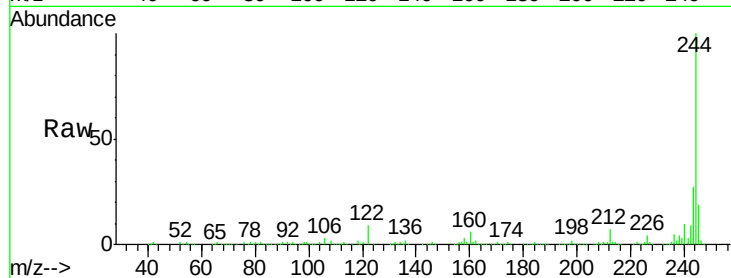




#78
 Terphenyl-d14
 Concen: 59.40 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088140.D
 Acq: 18 Jun 2016 18:08

Instrument :
 BNA_F
 ClientSampleId :
 SB14(1-3)

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	8.9	11.2	16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF088140.D
 Acq: 18 Jun 2016 18:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.3	16.9	25.3

