

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087833.D
 Acq On : 9 Jun 2016 4:46
 Operator : UM/SJ
 Sample : H3405-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP-0.5-11.0

Quant Time: Jun 09 07:34:58 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

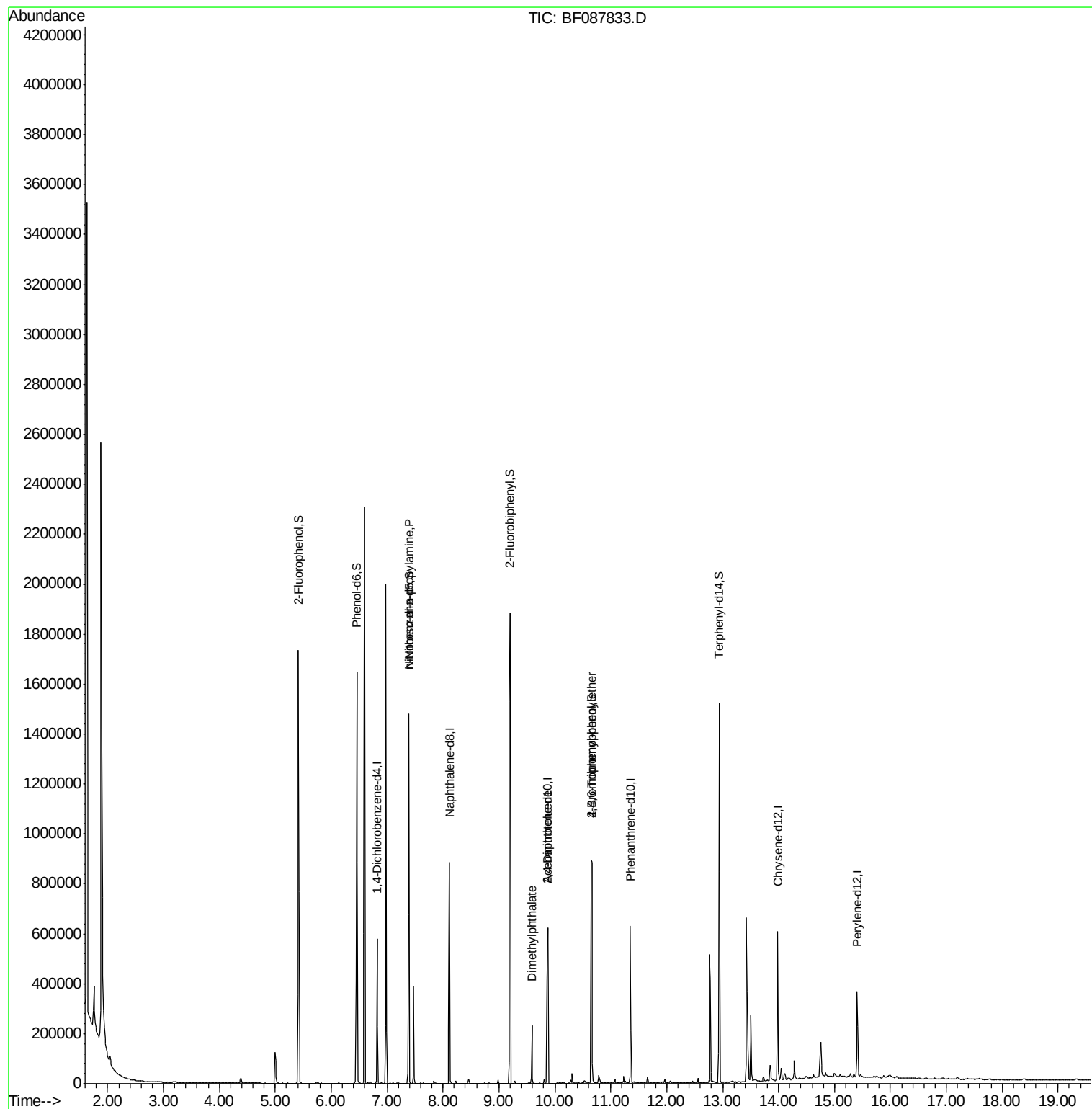
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	96857	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	394530	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	156986	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	235810	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	220898	20.00	ng	0.00
86) Perylene-d12	15.41	264	160551	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	615648	108.66	ng	-0.01
7) Phenol-d6	6.46	99	781204	113.77	ng	-0.02
23) Nitrobenzene-d5	7.39	82	528082	78.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	171293	103.34	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	862132	86.36	ng	-0.01
78) Terphenyl-d14	12.94	244	573089	59.04	ng	-0.01
Target Compounds						
10) Phenol	6.47	94	5636	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.39	70	69344	15.79 ng	#	71
45) 1,1'-Biphenyl	9.20	154	1605	Below Cal	#	1
49) Dimethylphthalate	9.59	163	88280	7.76 ng		99
56) 2,4-Dinitrotoluene	9.87	165	20036	5.99 ng	#	36
57) Fluorene	10.65	166	7630	Below Cal	#	92
66) 4-Bromophenyl-phenylether	10.66	248	9771	3.86 ng	#	1

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

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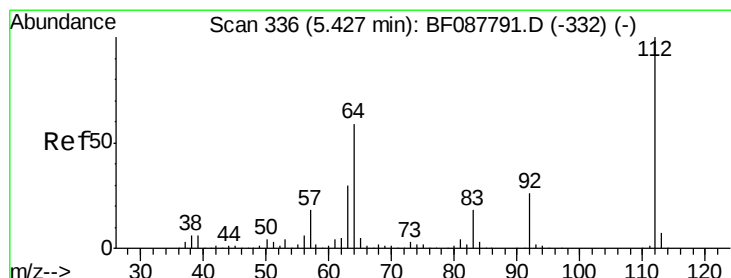
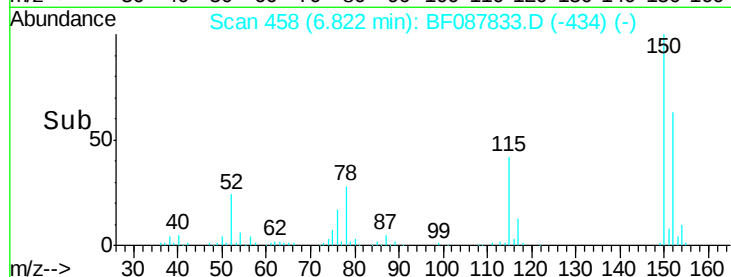
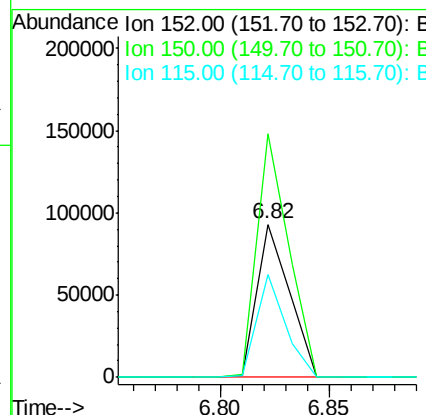
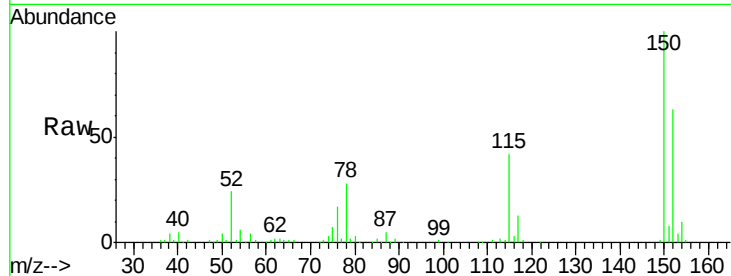




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.82 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF087833.D
 Acq: 9 Jun 2016 4:46

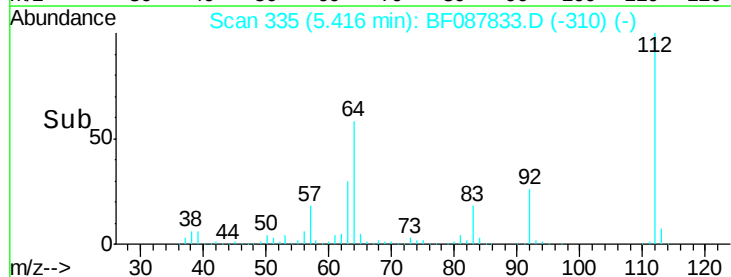
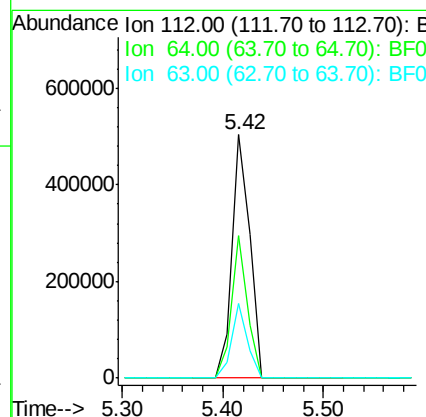
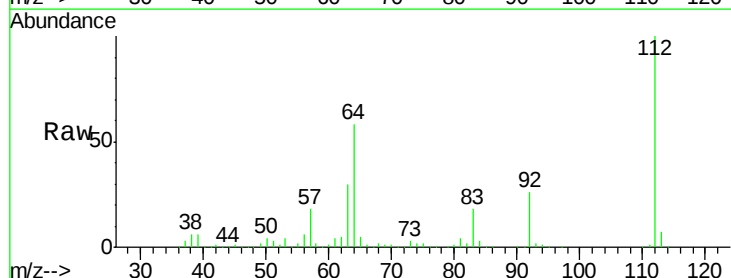
Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP-0.5-11.0

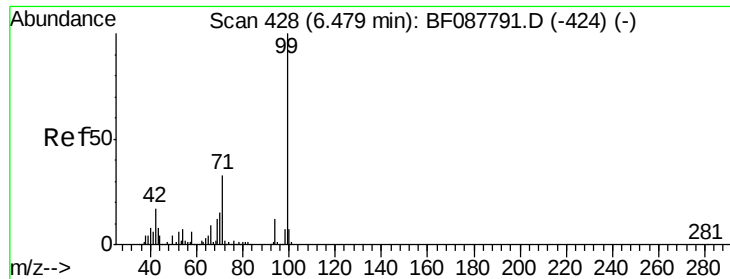
Tgt Ion:152 Resp: 96857
 Ion Ratio Lower Upper
 152 100
 150 158.9 123.8 185.6
 115 67.0 39.6 59.4#



#5
 2-Fluorophenol
 Concen: 108.66 ng
 RT: 5.42 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: BF087833.D
 Acq: 9 Jun 2016 4:46

Tgt Ion:112 Resp: 615648
 Ion Ratio Lower Upper
 112 100
 64 58.4 42.2 63.2
 63 30.4 21.8 32.8





#7

Phenol-d6

Concen: 113.77 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087833.D

Acq: 9 Jun 2016 4:46

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP-0.5-11.0

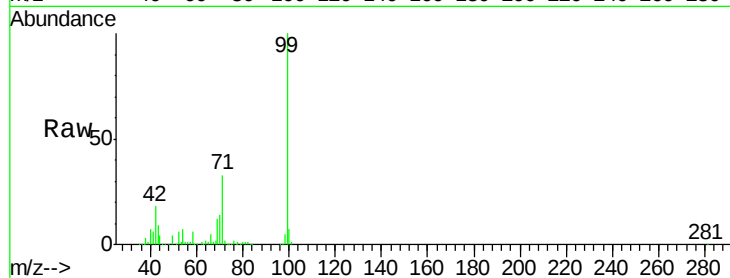
Tgt Ion: 99 Resp: 781204

Ion Ratio Lower Upper

99 100

42 17.6 12.2 18.2

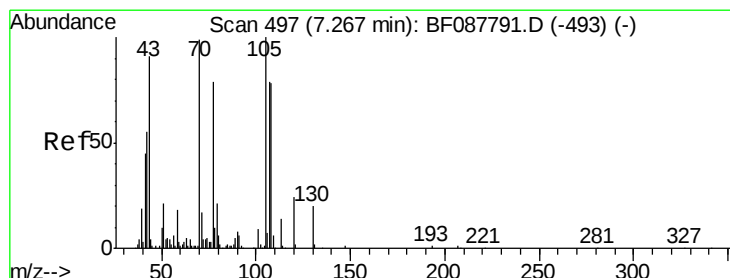
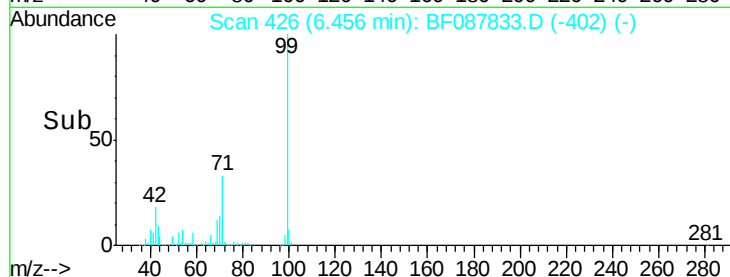
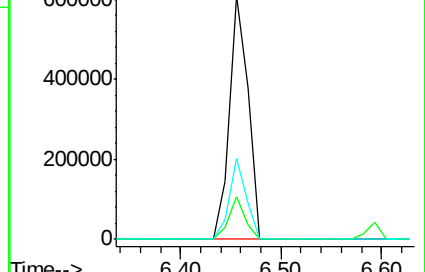
71 33.4 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.79 ng

RT: 7.39 min Scan# 508

Delta R.T. 0.13 min

Lab File: BF087833.D

Acq: 9 Jun 2016 4:46

Tgt Ion: 70 Resp: 69344

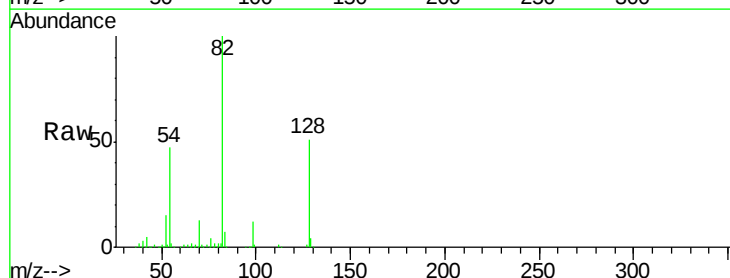
Ion Ratio Lower Upper

70 100

42 40.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.6 15.4 23.2#

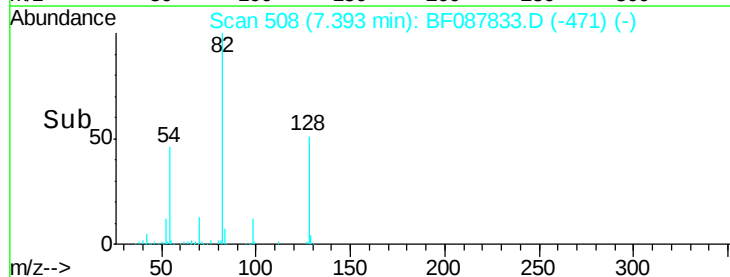
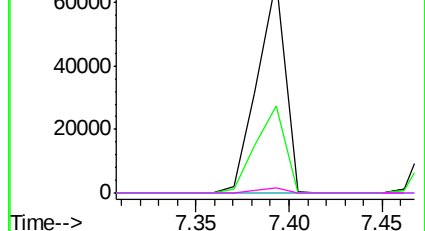


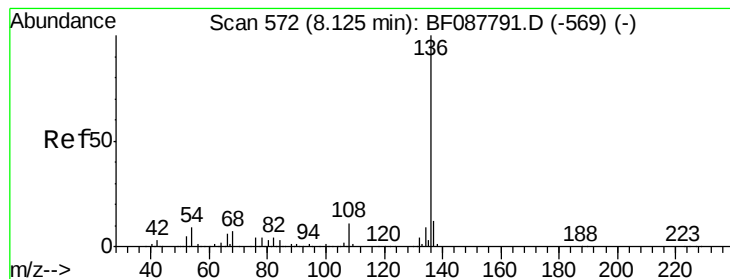
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.11 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF087833.D

Acq: 9 Jun 2016 4:46

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP-0.5-11.0

Tgt Ion: 136 Resp: 394530

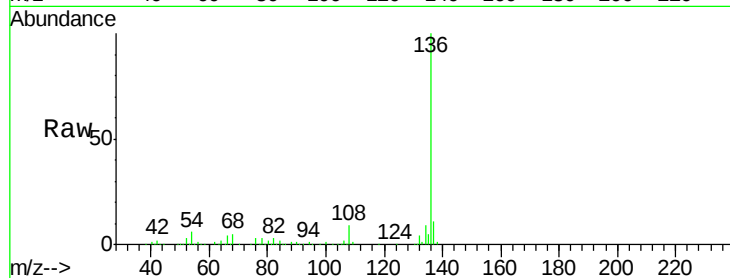
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.1 6.6 10.0#

68 5.1 5.1 7.7#

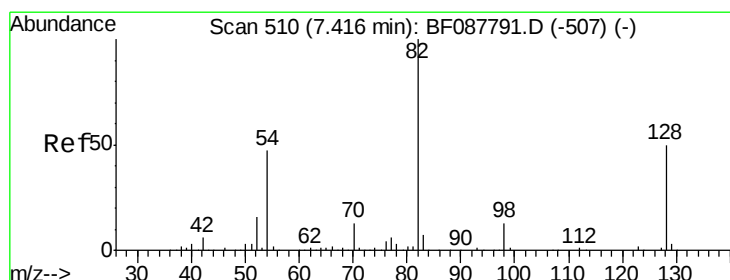
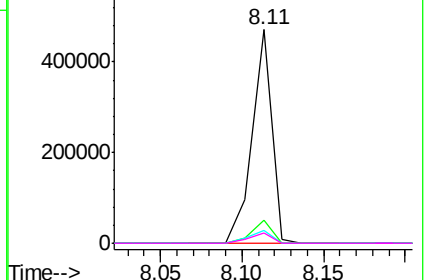
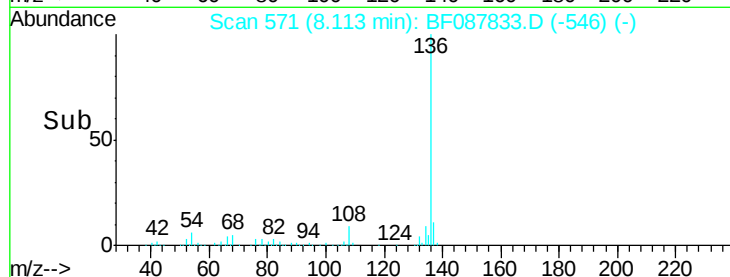


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.16 ng

RT: 7.39 min Scan# 508

Delta R.T. -0.02 min

Lab File: BF087833.D

Acq: 9 Jun 2016 4:46

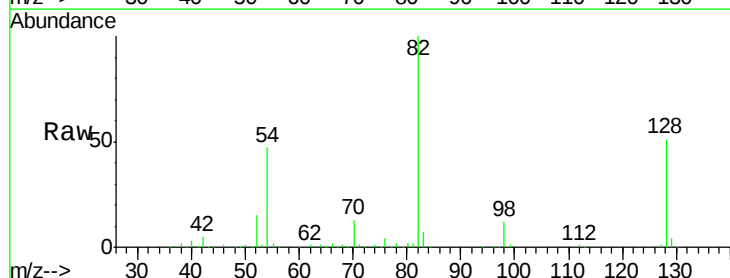
Tgt Ion: 82 Resp: 528082

Ion Ratio Lower Upper

82 100

128 51.2 35.9 53.9

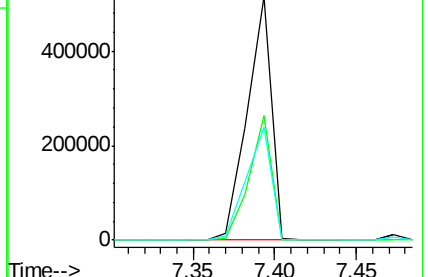
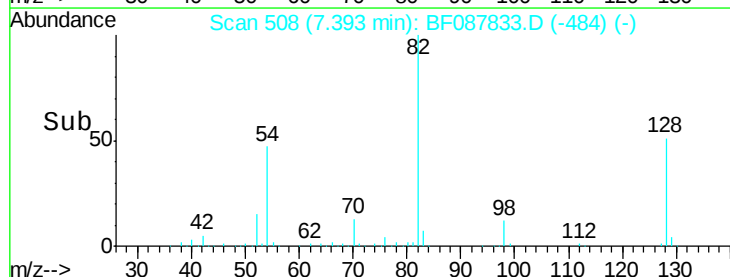
54 46.5 40.9 61.3

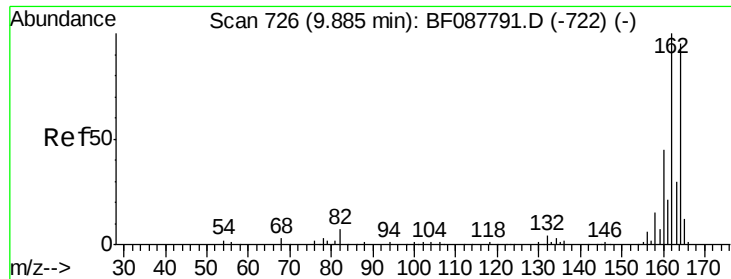


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.87 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF087833.D

Acq: 9 Jun 2016 4:46

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP-0.5-11.0

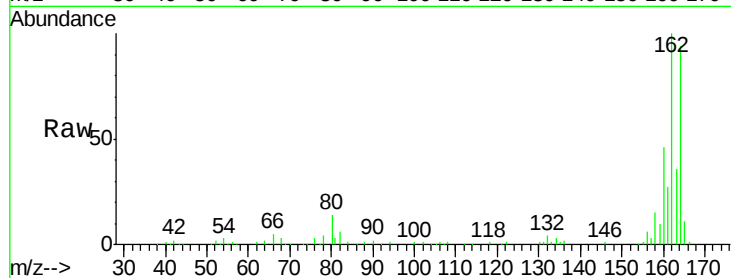
Tgt Ion:164 Resp: 156986

Ion Ratio Lower Upper

164 100

162 105.9 85.4 128.2

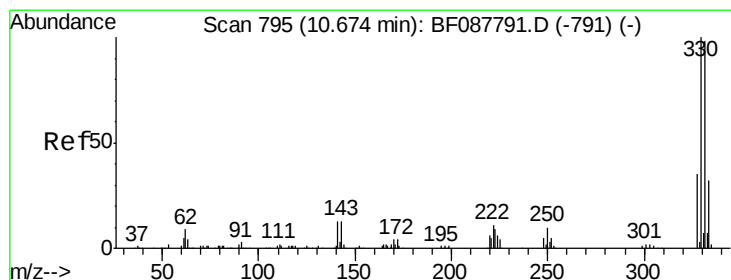
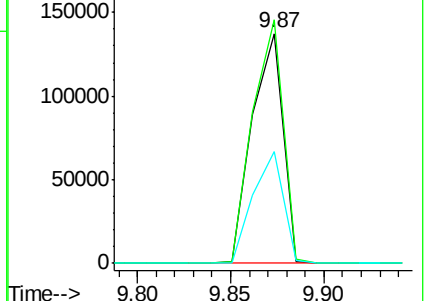
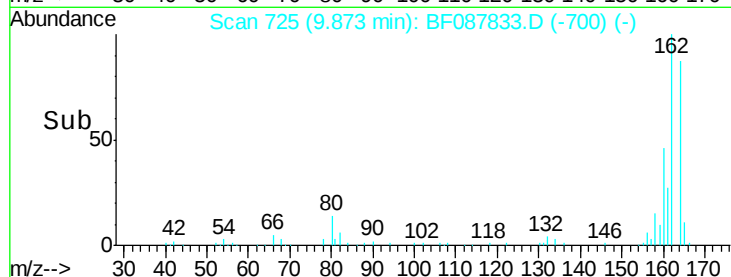
160 48.4 39.5 59.3



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: 103.34 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087833.D

Acq: 9 Jun 2016 4:46

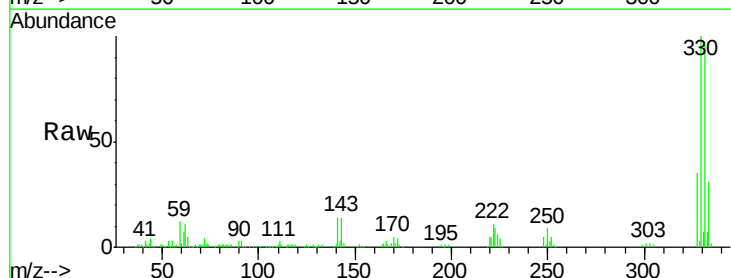
Tgt Ion:330 Resp: 171293

Ion Ratio Lower Upper

330 100

332 96.3 0.0 0.0#

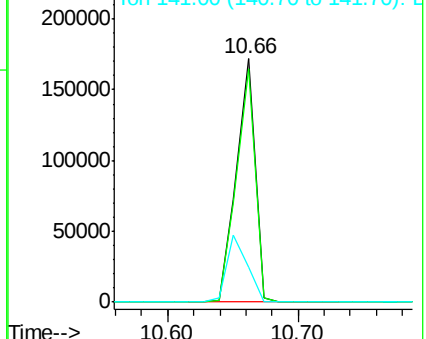
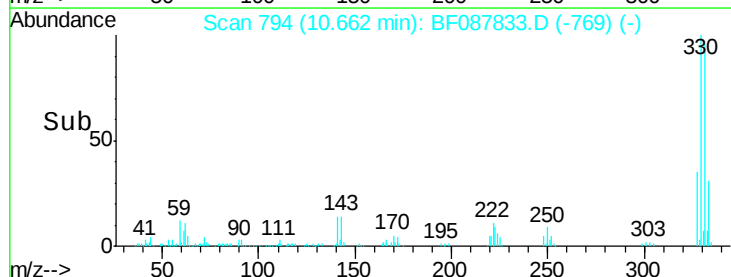
141 30.0 0.0 0.0#

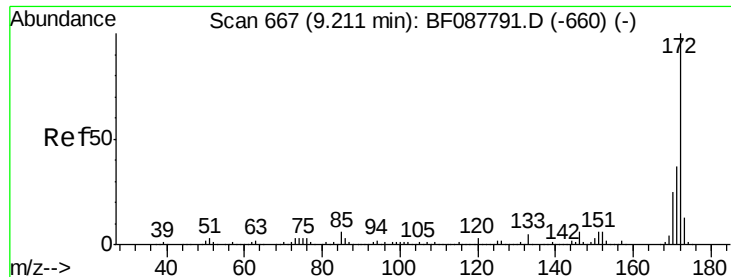


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

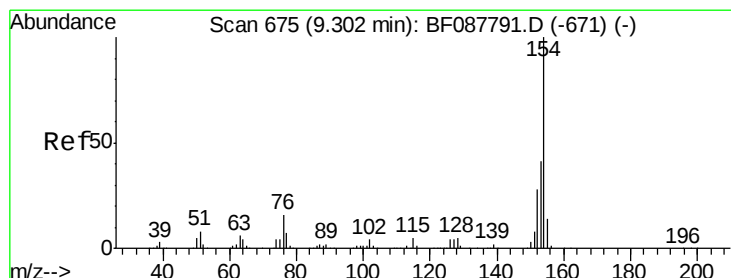
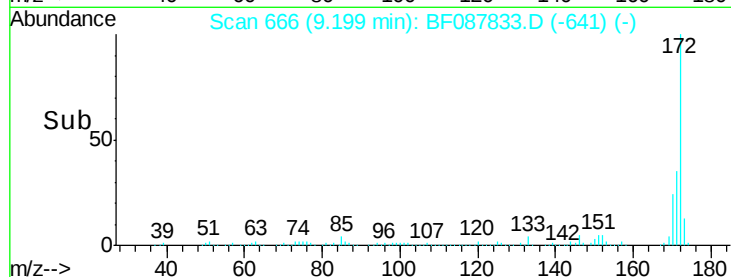
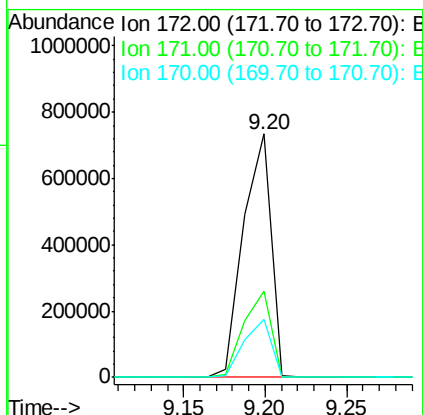
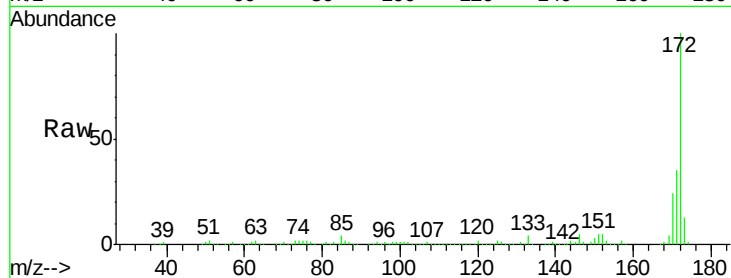




#44
 2-Fluorobiphenyl
 Concen: 86.36 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087833.D
 Acq: 9 Jun 2016 4:46

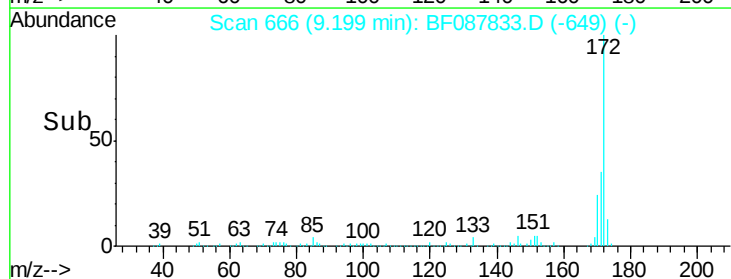
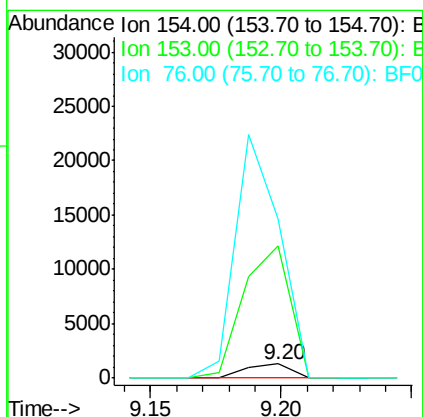
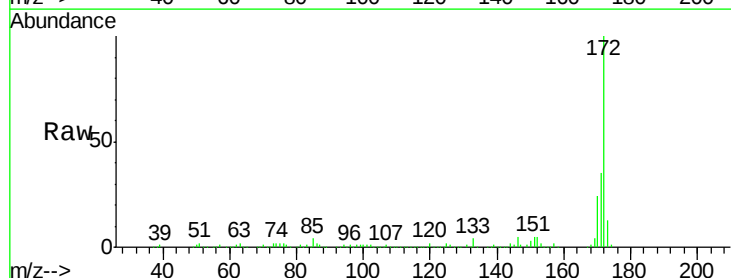
Instrument :
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 SB-13-COMP-0.5-11.0

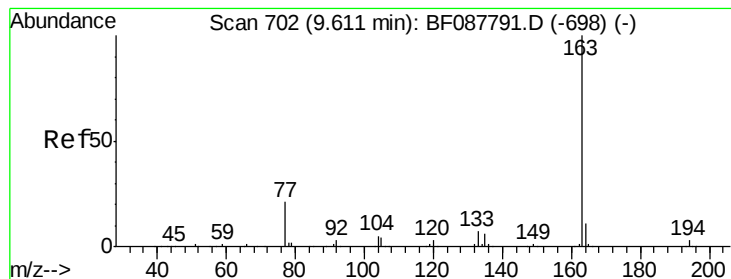
Tgt Ion:172 Resp: 862132
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.7 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.20 min Scan# 666
 Delta R.T. -0.10 min
 Lab File: BF087833.D
 Acq: 9 Jun 2016 4:46

Tgt Ion:154 Resp: 1605
 Ion Ratio Lower Upper
 154 100
 153 925.7 20.6 60.6#
 76 1114.4 0.0 35.1#





#49

Dimethylphthalate

Concen: 7.76 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087833.D

Acq: 9 Jun 2016 4:46

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP-0.5-11.0

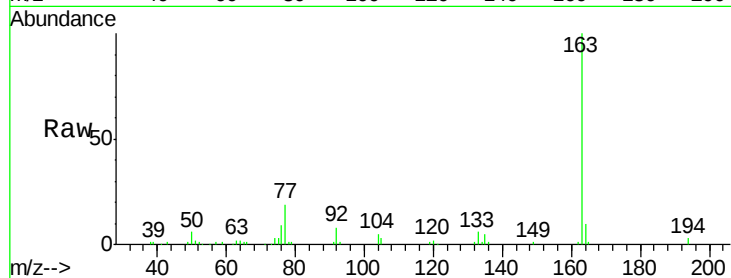
Tgt Ion:163 Resp: 88280

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

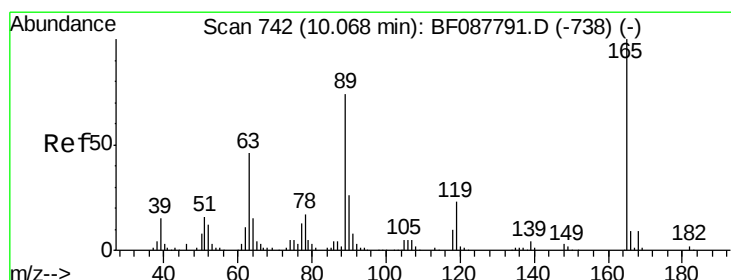
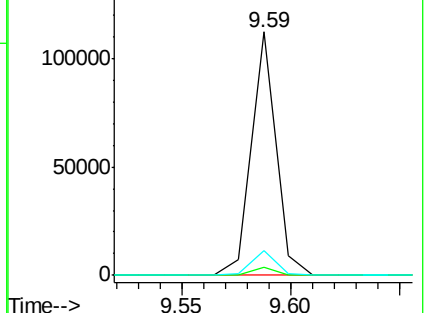
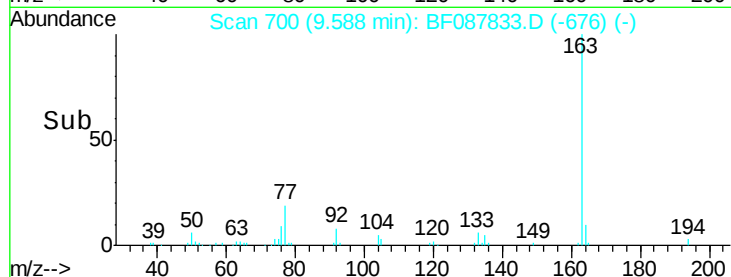
164 10.1 8.3 12.5



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: 5.99 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.19 min

Lab File: BF087833.D

Acq: 9 Jun 2016 4:46

Tgt Ion:165 Resp: 20036

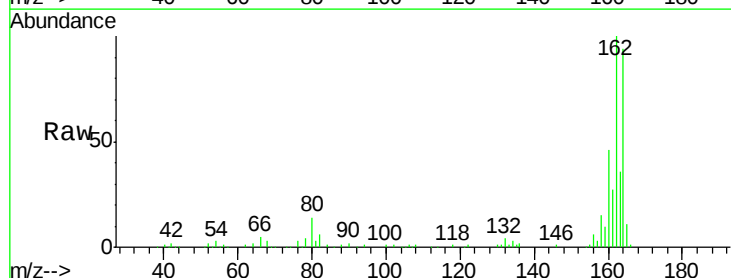
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

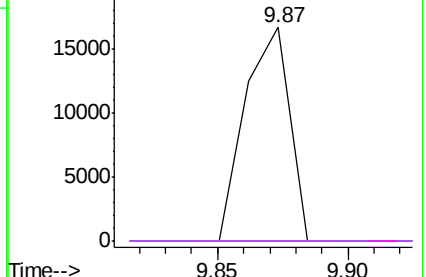
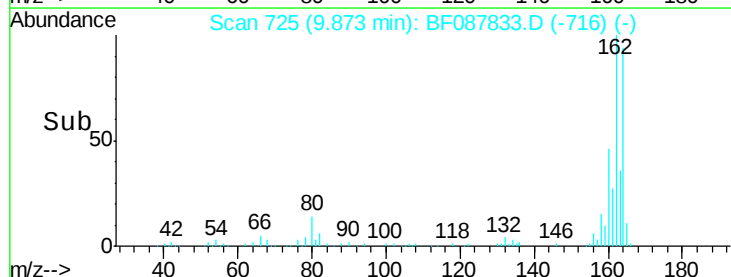


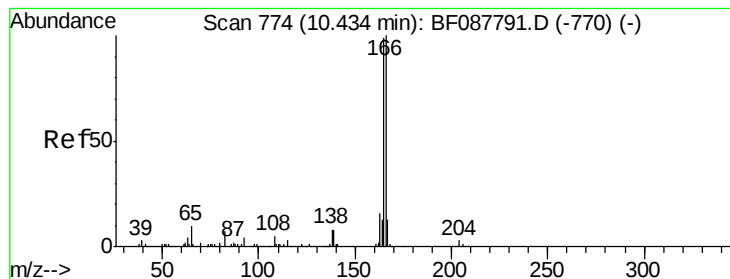
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.65 min Scan# 793

Delta R.T. 0.22 min

Lab File: BF087833.D

Acq: 9 Jun 2016 4:46

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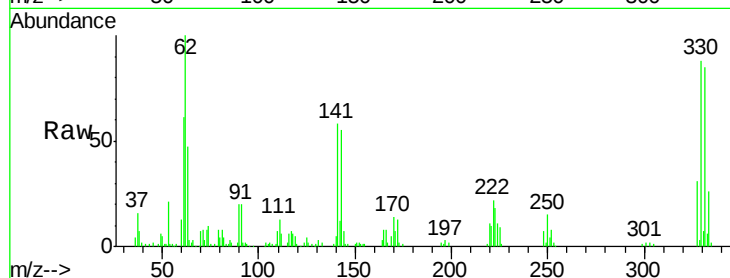
Tgt Ion:166 Resp: 7630

Ion Ratio Lower Upper

166 100

165 100.8 77.8 116.8

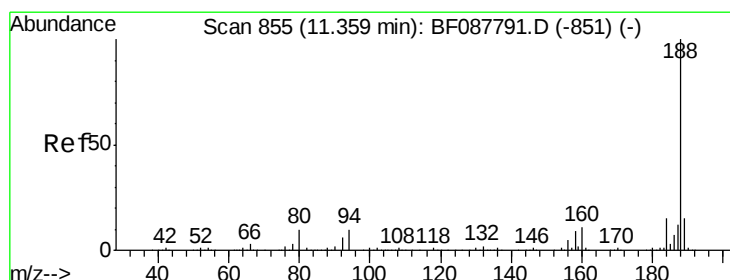
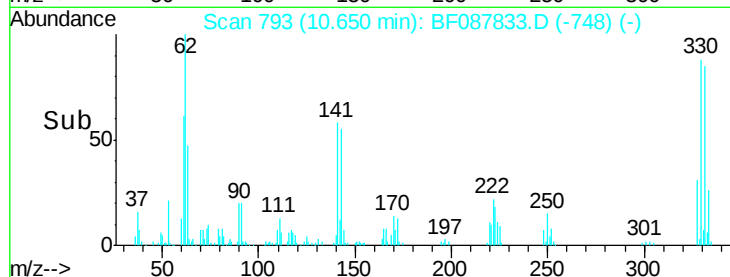
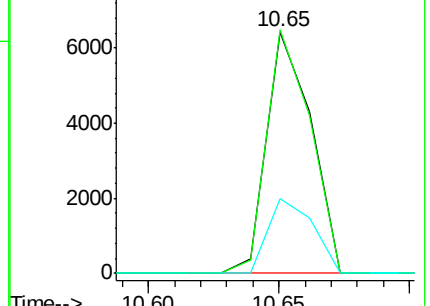
167 30.6 11.2 16.8#



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: 11.35 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF087833.D

Acq: 9 Jun 2016 4:46

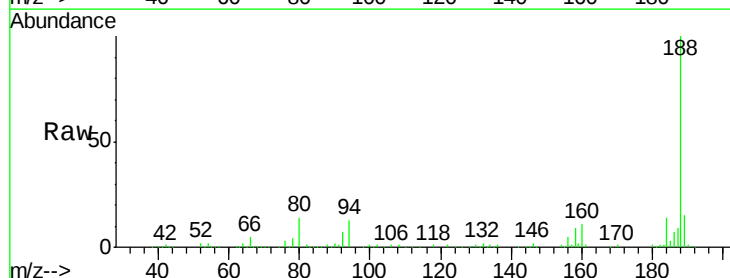
Tgt Ion:188 Resp: 235810

Ion Ratio Lower Upper

188 100

94 12.5 9.0 13.6

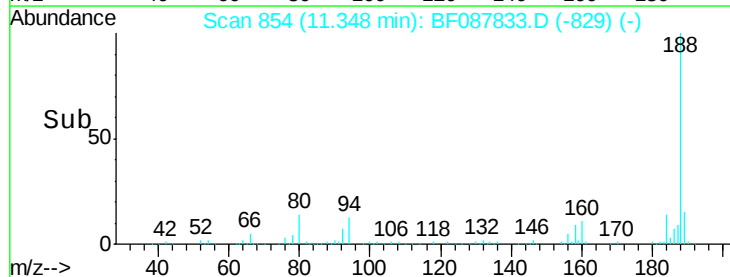
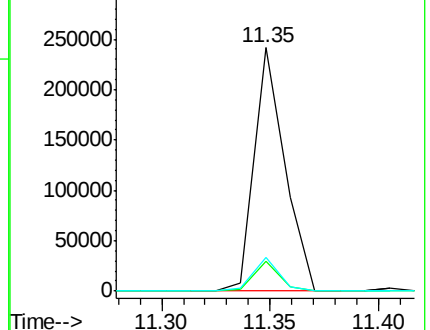
80 13.9 10.0 15.0

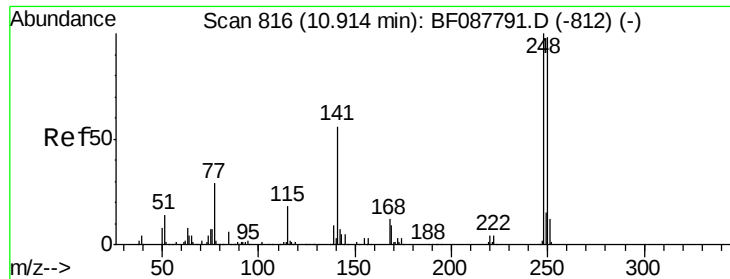


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

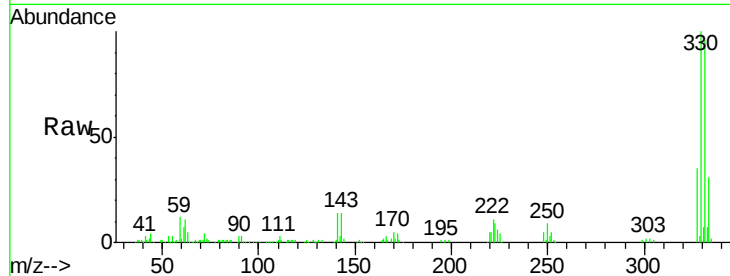




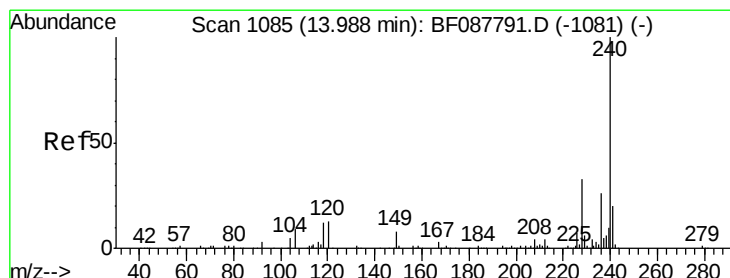
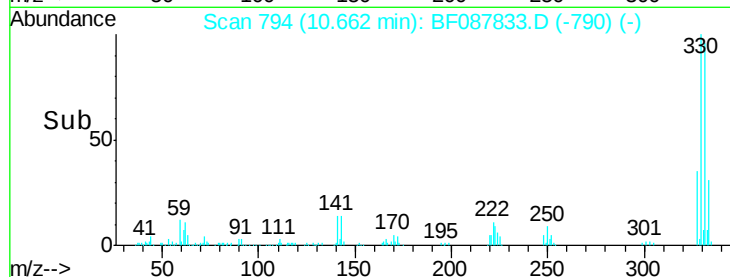
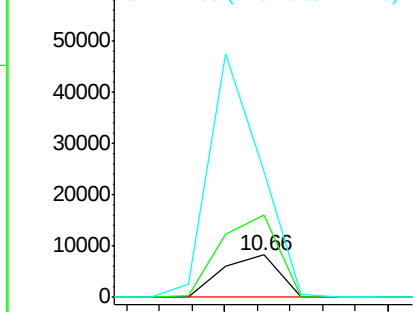
#66
4-Bromophenyl-phenylether
Concen: 3.86 ng
RT: 10.66 min Scan# 794
Delta R.T. -0.25 min
Lab File: BF087833.D
Acq: 9 Jun 2016 4:46

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP-0.5-11.0

Tgt Ion:248 Resp: 9771
Ion Ratio Lower Upper
248 100
250 194.0 77.1 115.7#
141 294.4 50.6 76.0#

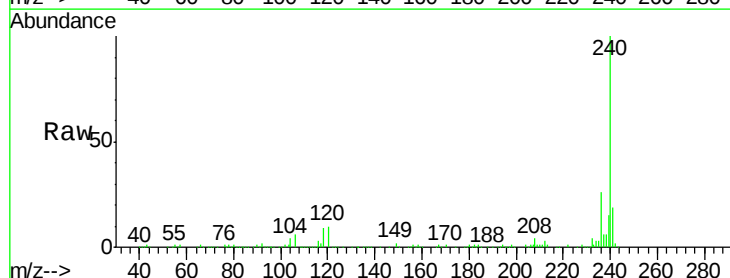


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

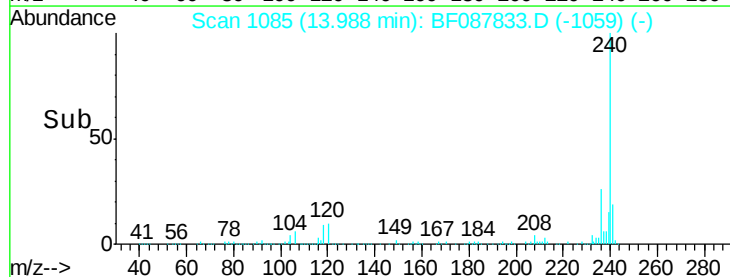
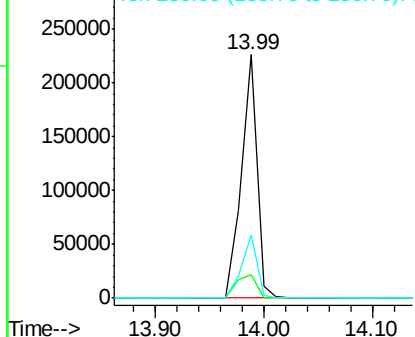


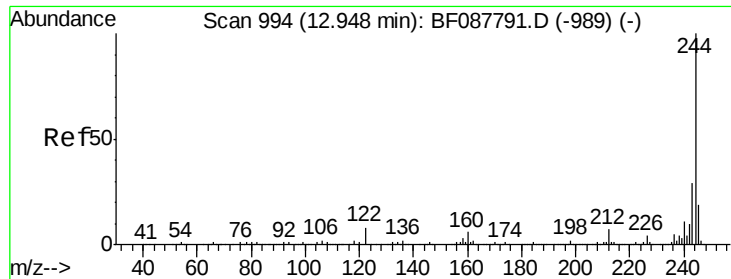
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1085
Delta R.T. -0.00 min
Lab File: BF087833.D
Acq: 9 Jun 2016 4:46

Tgt Ion:240 Resp: 220898
Ion Ratio Lower Upper
240 100
120 9.6 6.8 10.2
236 25.7 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

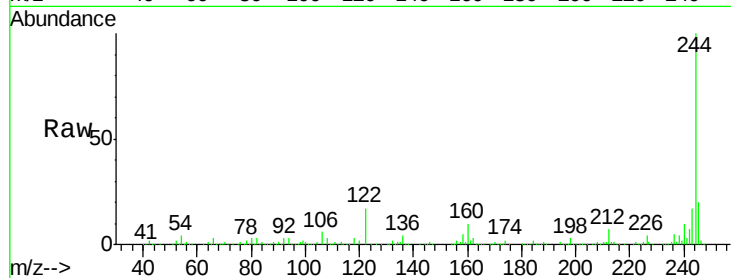




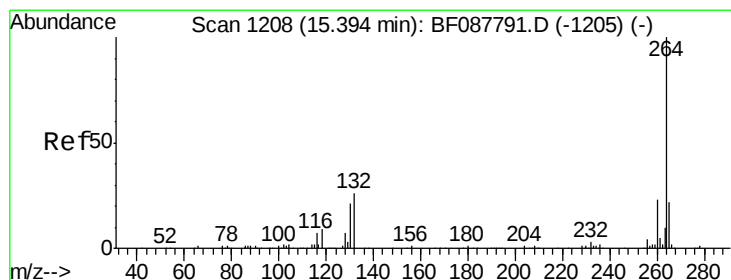
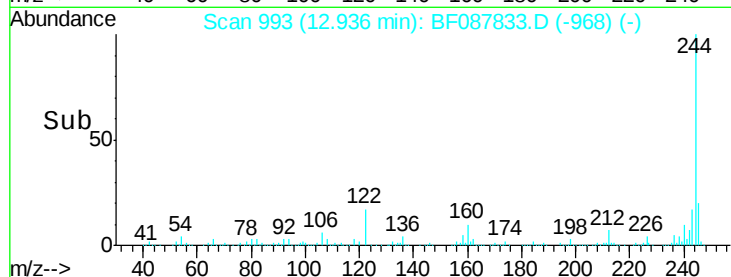
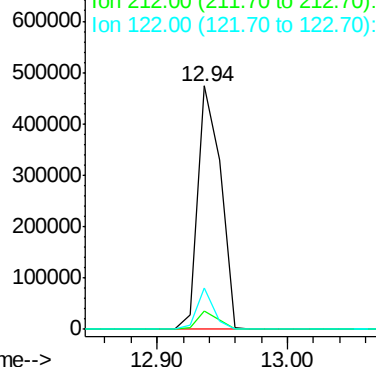
#78
 Terphenyl-d14
 Concen: 59.04 ng
 RT: 12.94 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF087833.D
 Acq: 9 Jun 2016 4:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP-0.5-11.0

Tgt Ion:244 Resp: 573089
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 17.2 11.2 16.8#

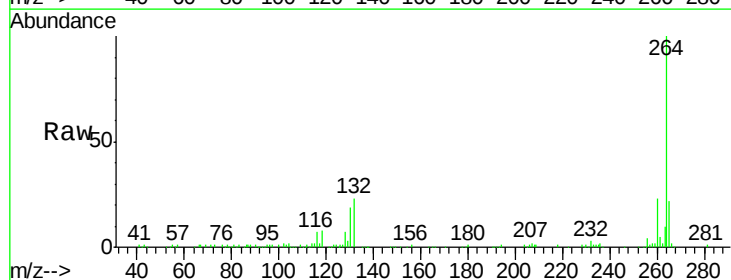


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: BF087833.D
 Acq: 9 Jun 2016 4:46

Tgt Ion:264 Resp: 160551
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.2 28.8
 265 21.7 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

