

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088017.D
 Acq On : 15 Jun 2016 00:22
 Operator : UM/SJ
 Sample : H3437-07 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T6-B4(0-6)C

Quant Time: Jun 15 03:59:15 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 14:10:49 2016
 Response via : Initial Calibration

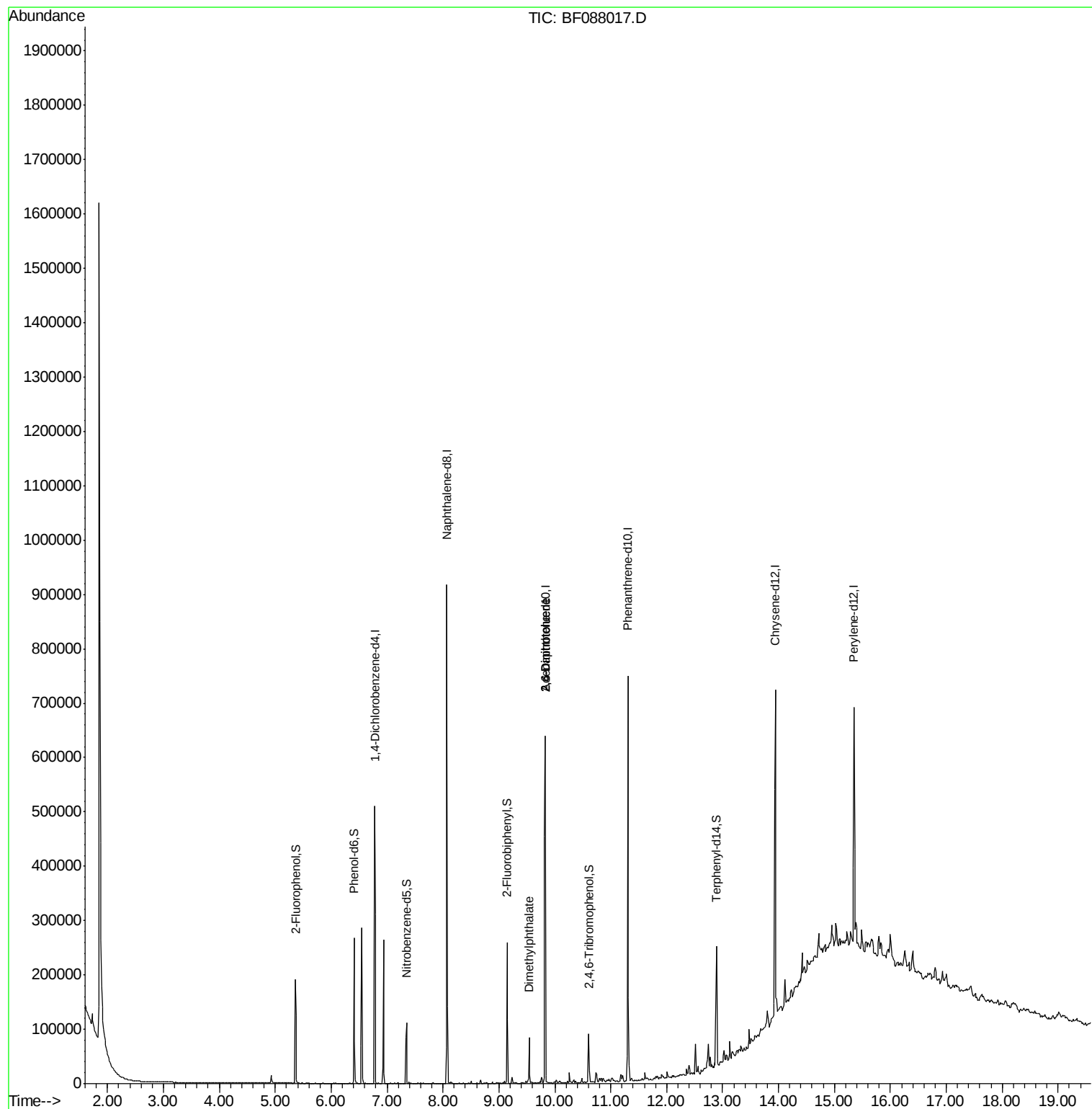
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	100215	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	397475	20.00	ng	-0.01
38) Acenaphthene-d10	9.83	164	164545	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	260940	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	256987	20.00	ng	-0.01
86) Perylene-d12	15.35	264	195453	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	71449	12.19	ng	-0.02
7) Phenol-d6	6.41	99	95875	13.50	ng	-0.02
23) Nitrobenzene-d5	7.35	82	48992	7.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	9658	5.56	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	95157	3.79	ng	-0.02
78) Terphenyl-d14	12.89	244	72603	6.43	ng	-0.01
Target Compounds						
10) Phenol	6.43	94	989	Below Cal	#	71
45) 1,1'-Biphenyl	9.24	154	292	Below Cal	#	43
49) Dimethylphthalate	9.54	163	31579	2.65	ng	99
50) 2,6-Dinitrotoluene	9.83	165	20988	7.69	ng	# 37
56) 2,4-Dinitrotoluene	9.83	165	20988	5.98	ng	# 36
57) Fluorene	10.37	166	857	Below Cal	#	87

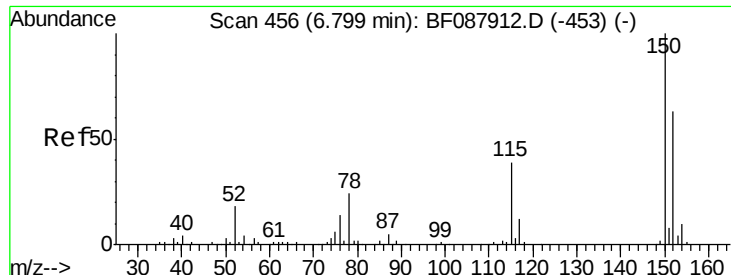
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF088017.D

Acq: 15 Jun 2016 00:22

Instrument :

BNA_F

ClientSampleId :

T6-B4(0-6)C

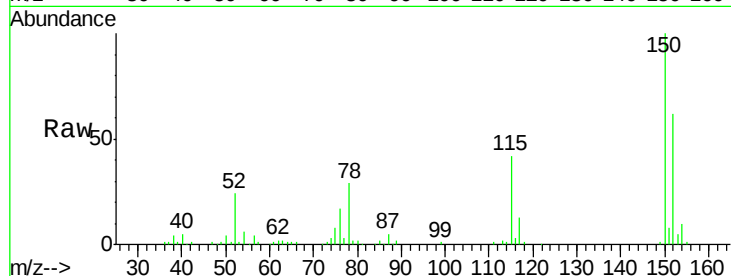
Tgt Ion:152 Resp: 100215

Ion Ratio Lower Upper

152 100

150 162.2 123.8 185.6

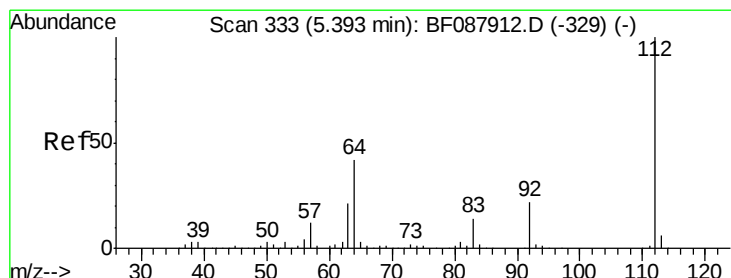
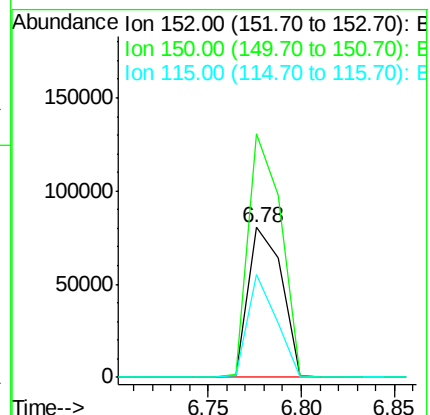
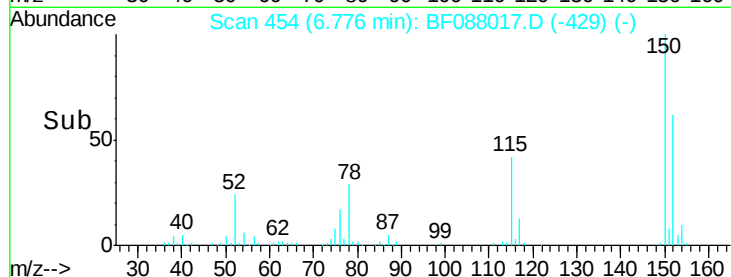
115 68.4 39.6 59.4#



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: 12.19 ng

RT: 5.36 min Scan# 330

Delta R.T. -0.02 min

Lab File: BF088017.D

Acq: 15 Jun 2016 00:22

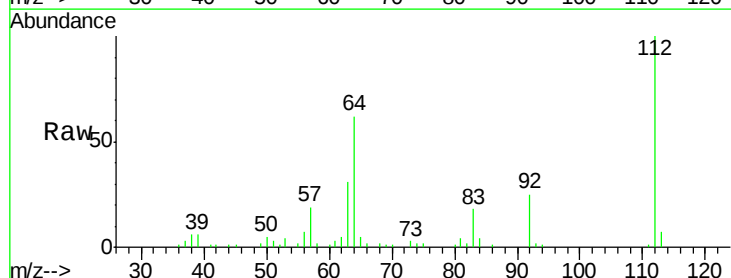
Tgt Ion:112 Resp: 71449

Ion Ratio Lower Upper

112 100

64 61.9 42.2 63.2

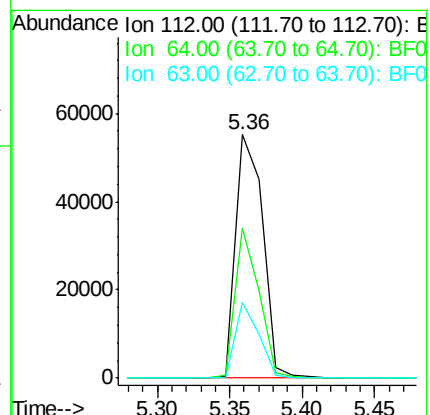
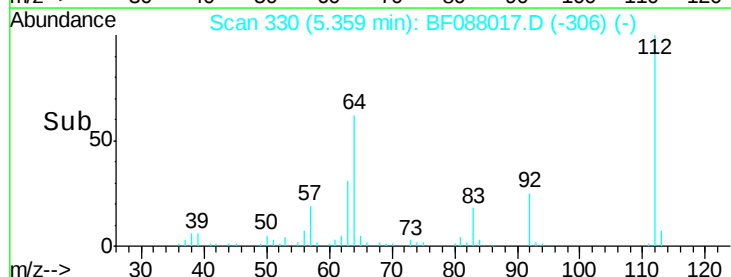
63 31.1 21.8 32.8

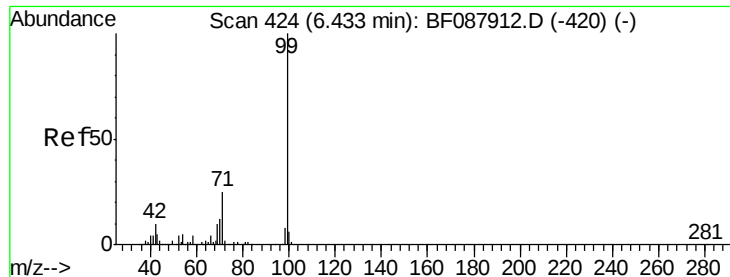


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 13.50 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.02 min

Lab File: BF088017.D

Acq: 15 Jun 2016 00:22

Instrument :

BNA_F

ClientSampleId :

T6-B4(0-6)C

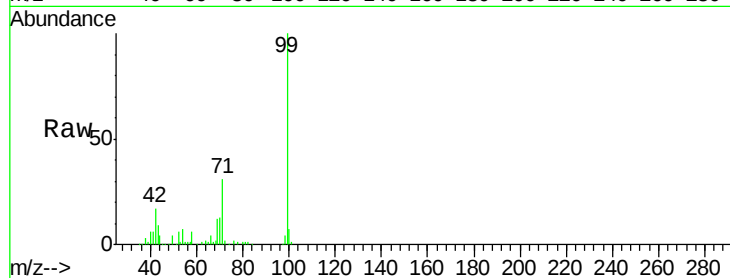
Tgt Ion: 99 Resp: 95875

Ion Ratio Lower Upper

99 100

42 16.5 12.2 18.2

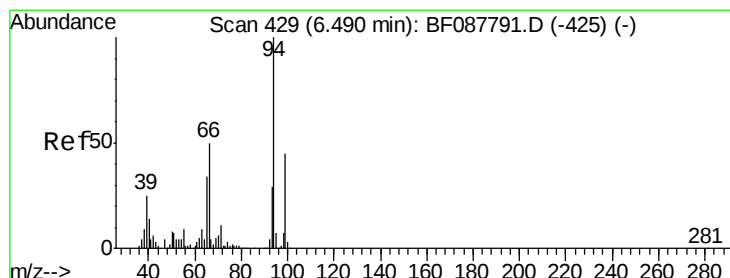
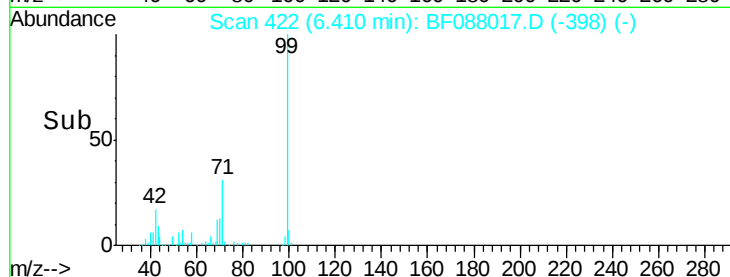
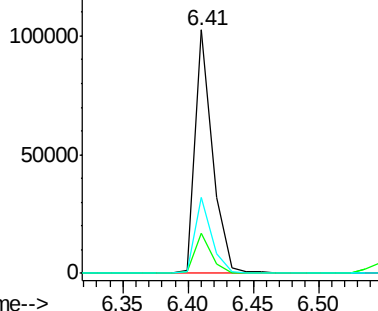
71 31.1 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF088017.D

Acq: 15 Jun 2016 00:22

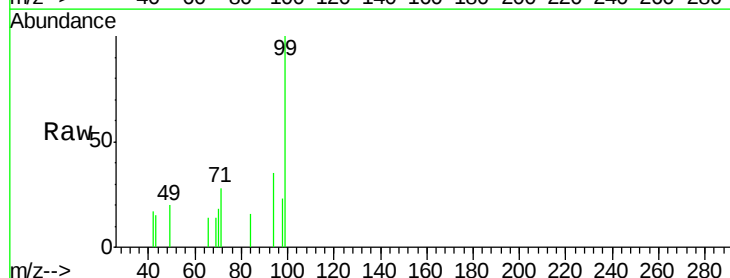
Tgt Ion: 94 Resp: 989

Ion Ratio Lower Upper

94 100

65 0.0 5.9 45.9#

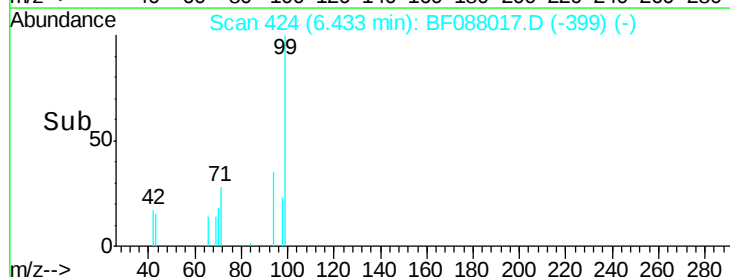
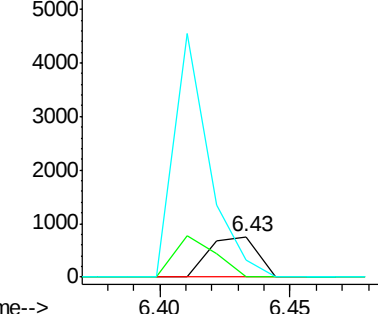
66 41.1 14.0 54.0

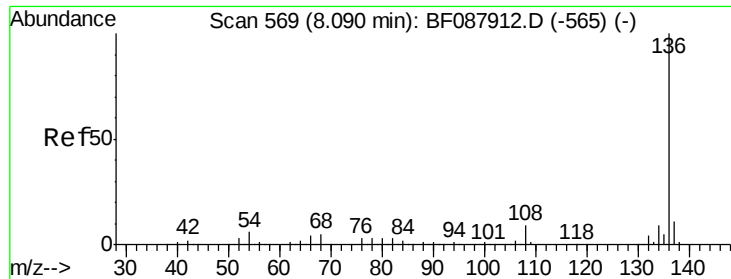


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 567

Delta R.T. -0.01 min

Lab File: BF088017.D

Acq: 15 Jun 2016 00:22

Instrument :

BNA_F

ClientSampleId :

T6-B4(0-6)C

Tgt Ion:136 Resp: 397475

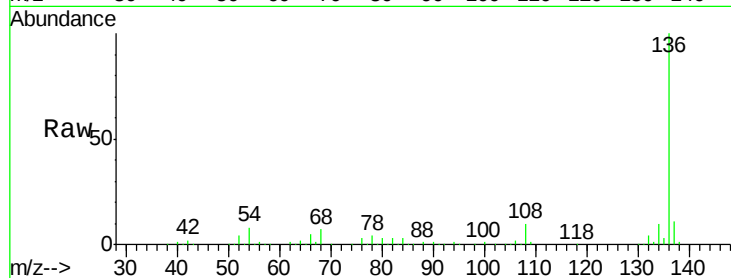
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.7 6.6 10.0

68 6.5 5.1 7.7

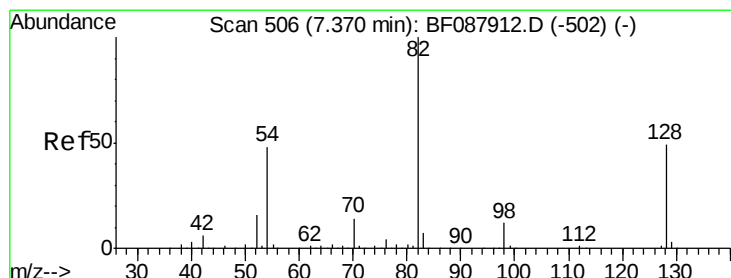
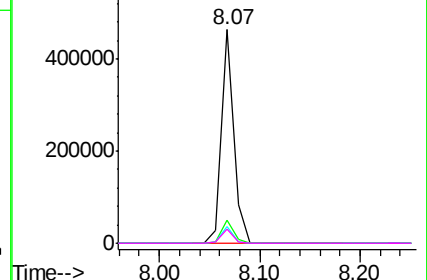
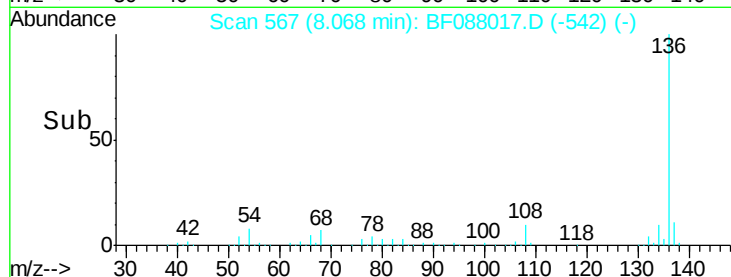


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.20 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF088017.D

Acq: 15 Jun 2016 00:22

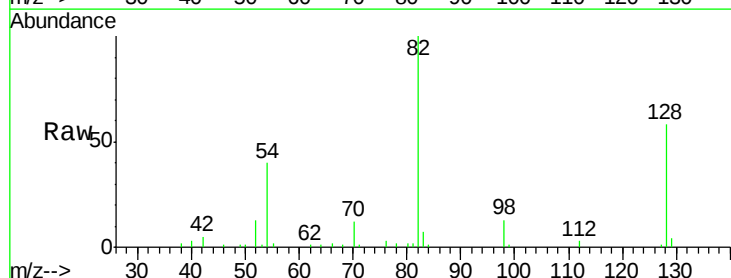
Tgt Ion: 82 Resp: 48992

Ion Ratio Lower Upper

82 100

128 58.2 35.9 53.9#

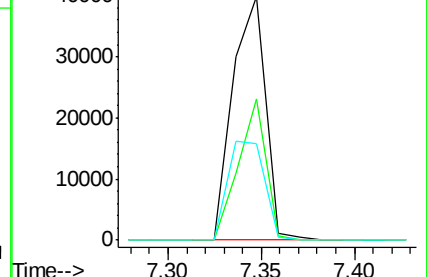
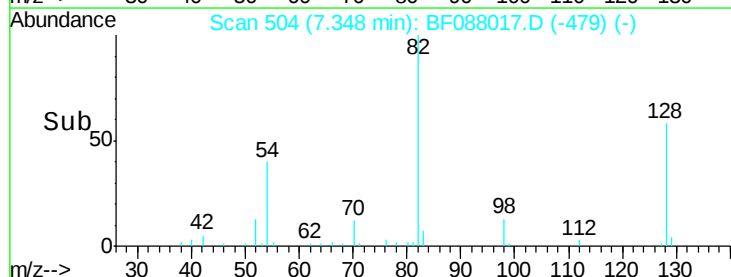
54 39.7 40.9 61.3#

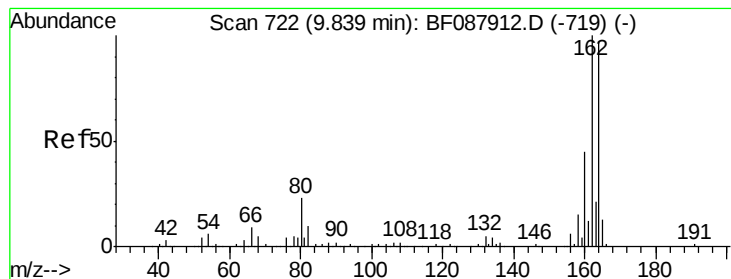


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.83 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF088017.D

Acq: 15 Jun 2016 00:22

Instrument :

BNA_F

ClientSampleId :

T6-B4(0-6)C

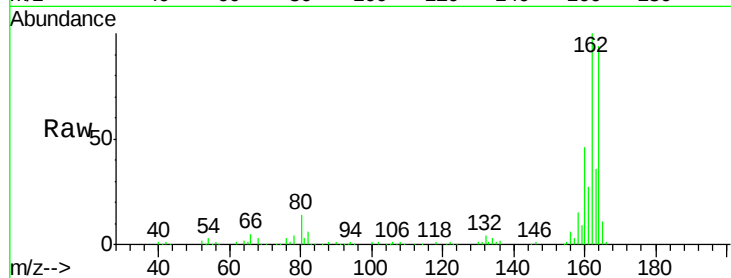
Tgt Ion:164 Resp: 164545

Ion Ratio Lower Upper

164 100

162 106.4 85.4 128.2

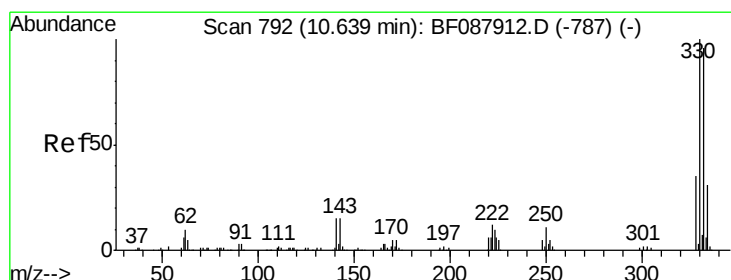
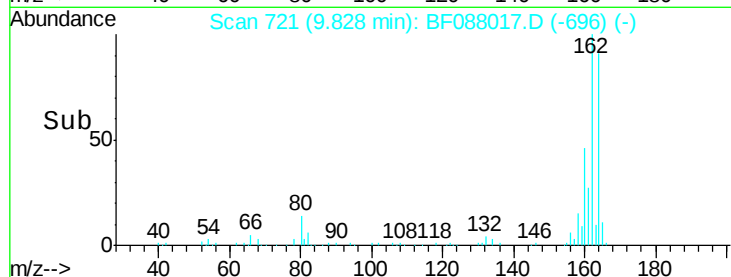
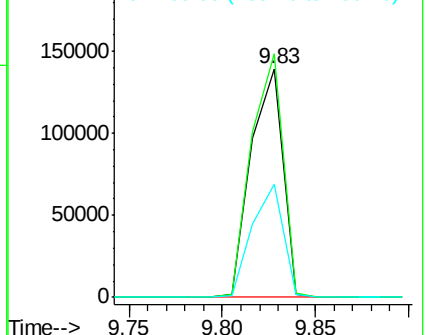
160 49.4 39.5 59.3



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: 5.56 ng

RT: 10.61 min Scan# 789

Delta R.T. -0.02 min

Lab File: BF088017.D

Acq: 15 Jun 2016 00:22

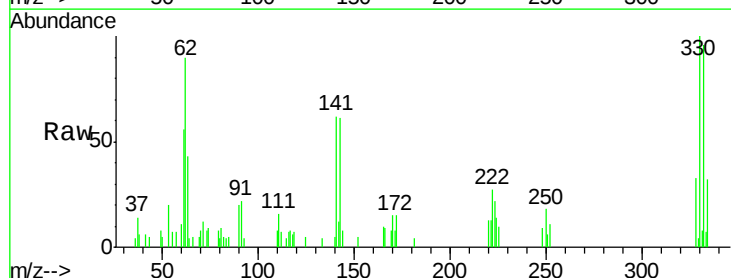
Tgt Ion:330 Resp: 9658

Ion Ratio Lower Upper

330 100

332 98.5 0.0 0.0#

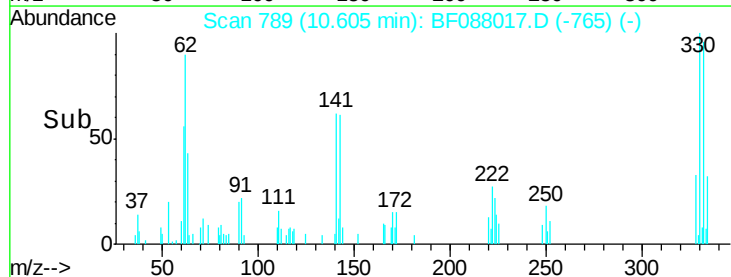
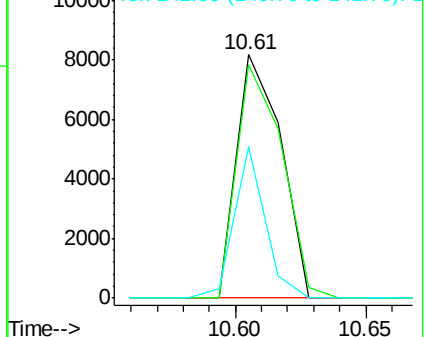
141 43.9 0.0 0.0#

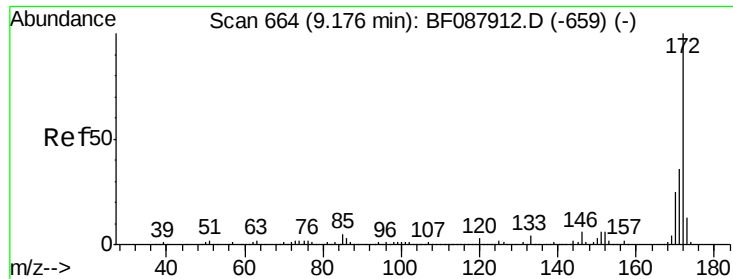


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

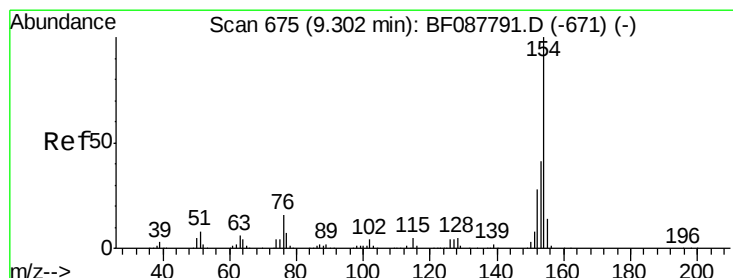
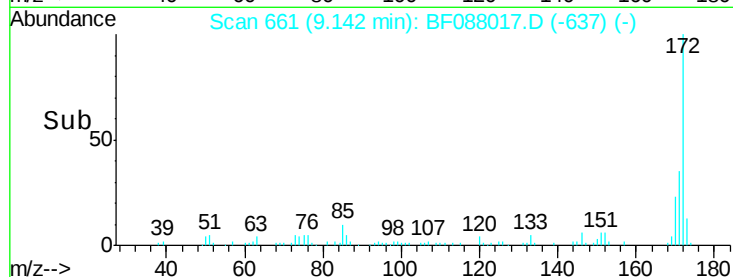
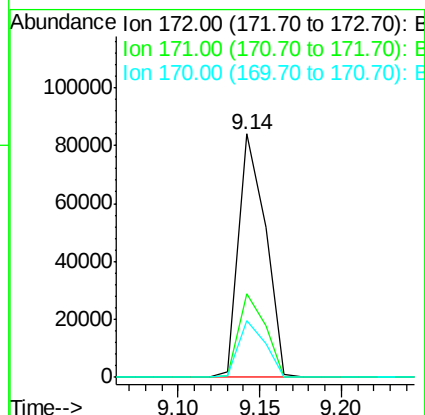
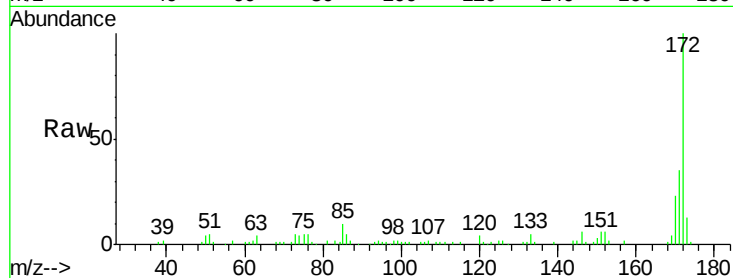




#44
 2-Fluorobiphenyl
 Concen: 3.79 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.02 min
 Lab File: BF088017.D
 Acq: 15 Jun 2016 00:22

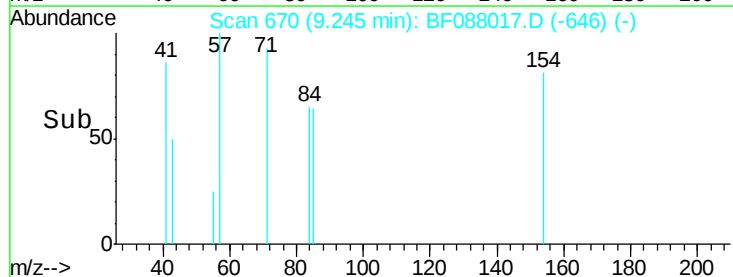
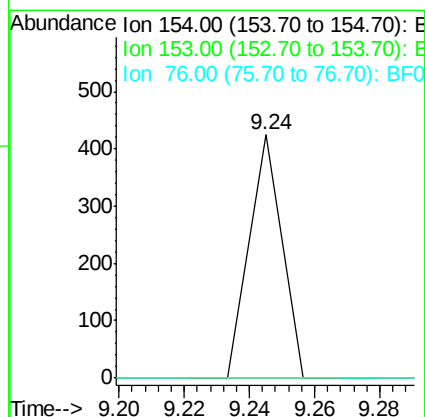
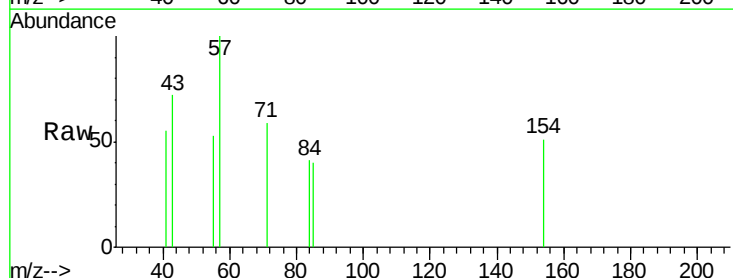
Instrument :
 BNA_F
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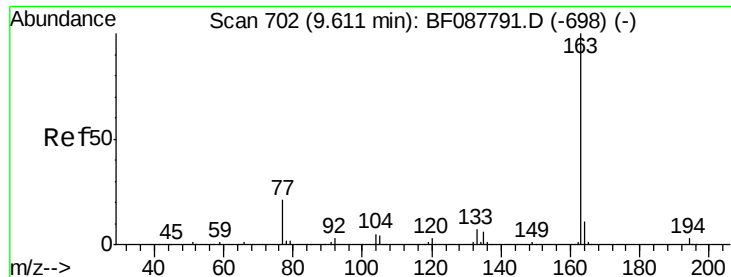
Tgt Ion:172 Resp: 95157
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.6 43.0
 170 23.1 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.24 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF088017.D
 Acq: 15 Jun 2016 00:22

Tgt Ion:154 Resp: 292
 Ion Ratio Lower Upper
 154 100
 153 0.0 20.6 60.6#
 76 0.0 0.0 35.1





#49

Dimethylphthalate

Concen: 2.65 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.02 min

Lab File: BF088017.D

Acq: 15 Jun 2016 00:22

Instrument :

BNA_F

ClientSampleId :

T6-B4(0-6)C

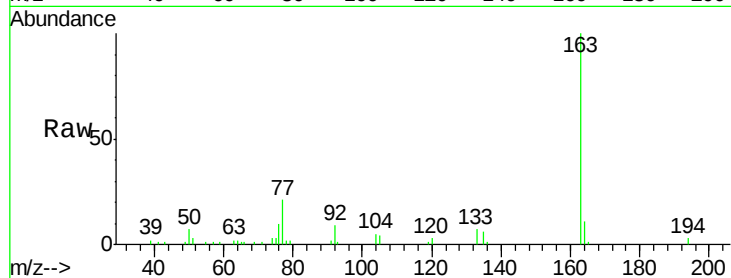
Tgt Ion:163 Resp: 31579

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

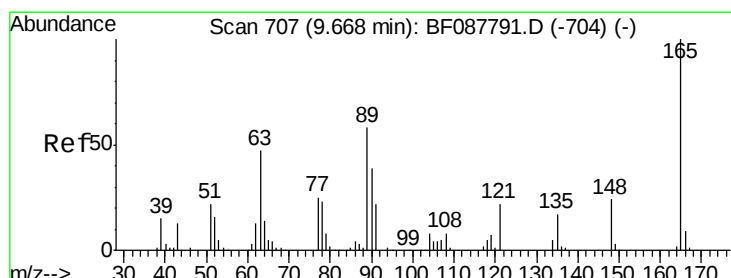
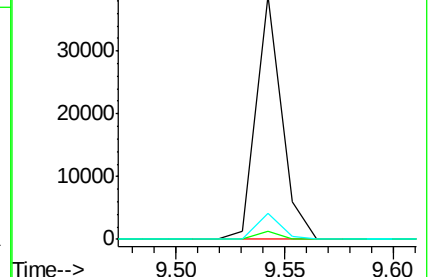
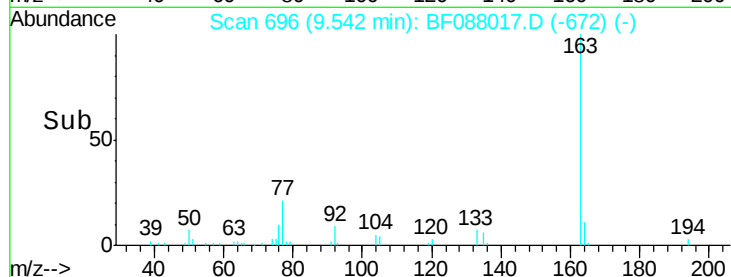
164 10.7 8.3 12.5



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



#50

2,6-Dinitrotoluene

Concen: 7.69 ng

RT: 9.83 min Scan# 721

Delta R.T. 0.21 min

Lab File: BF088017.D

Acq: 15 Jun 2016 00:22

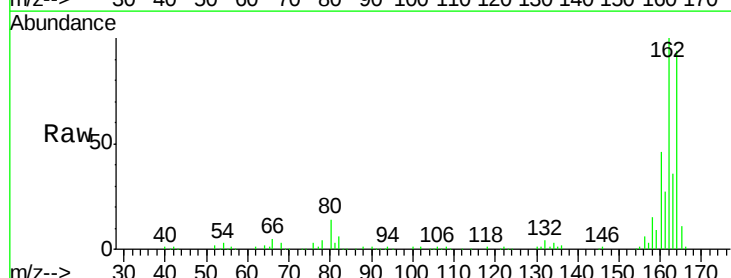
Tgt Ion:165 Resp: 20988

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

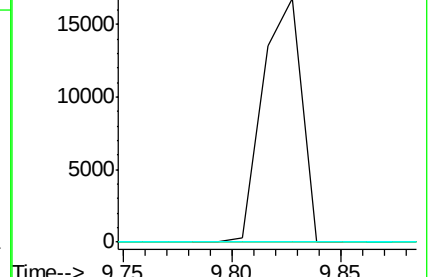
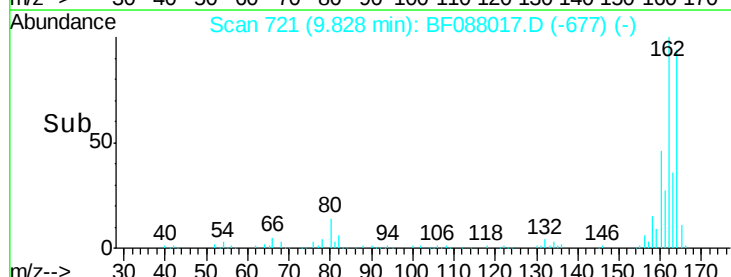
89 0.0 32.2 48.2#

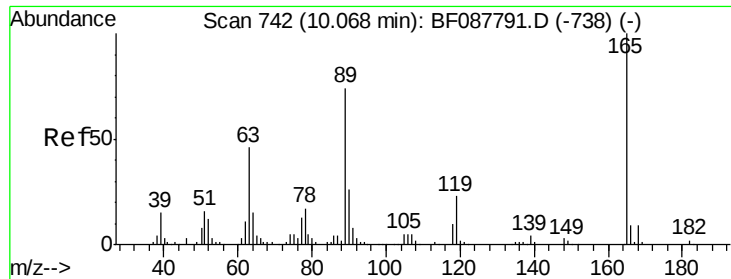


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.98 ng

RT: 9.83 min Scan# 721

Delta R.T. -0.21 min

Lab File: BF088017.D

Acq: 15 Jun 2016 00:22

Instrument :

BNA_F

ClientSampleId :

T6-B4(0-6)C

Tgt Ion:165 Resp: 20988

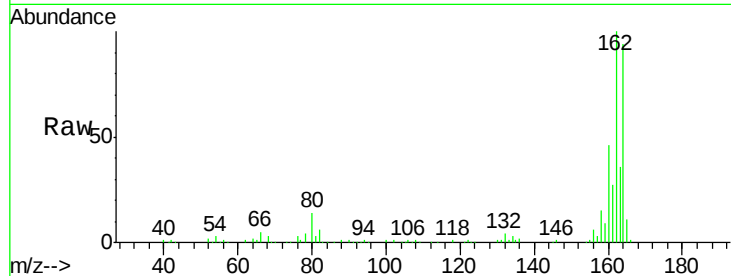
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

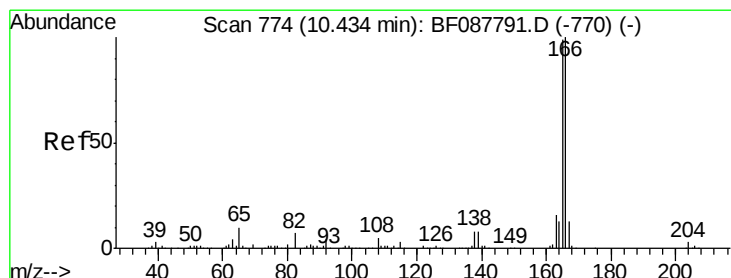
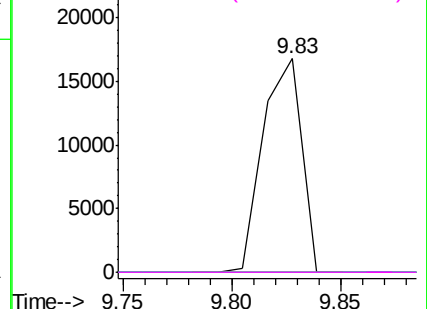
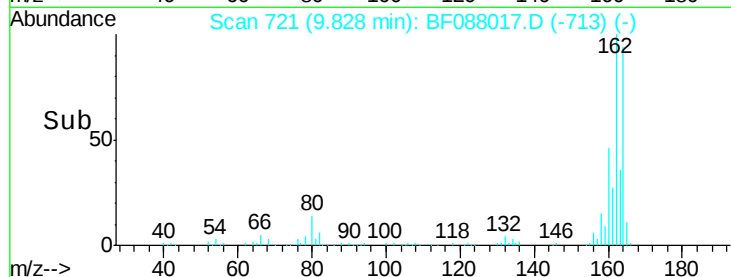


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.37 min Scan# 768

Delta R.T. -0.02 min

Lab File: BF088017.D

Acq: 15 Jun 2016 00:22

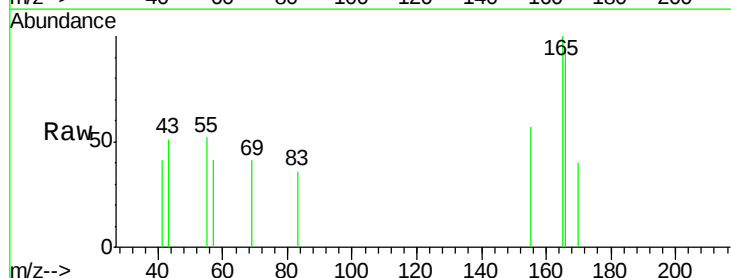
Tgt Ion:166 Resp: 857

Ion Ratio Lower Upper

166 100

165 107.5 77.8 116.8

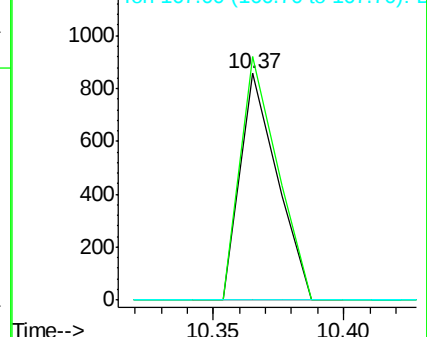
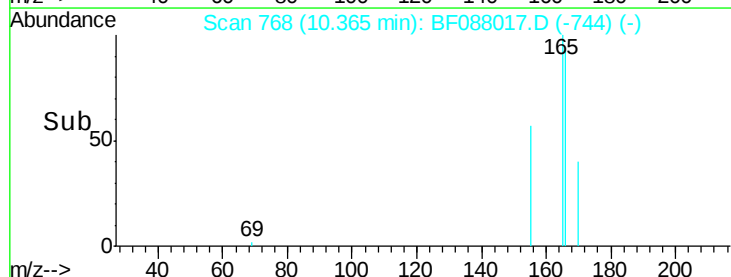
167 0.0 11.2 16.8#

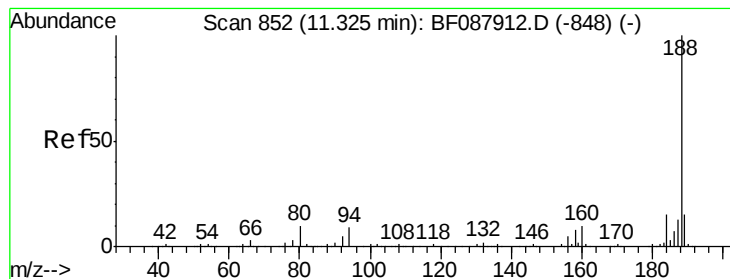


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.30 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF088017.D

Acq: 15 Jun 2016 00:22

Instrument :

BNA_F

ClientSampleId :

T6-B4(0-6)C

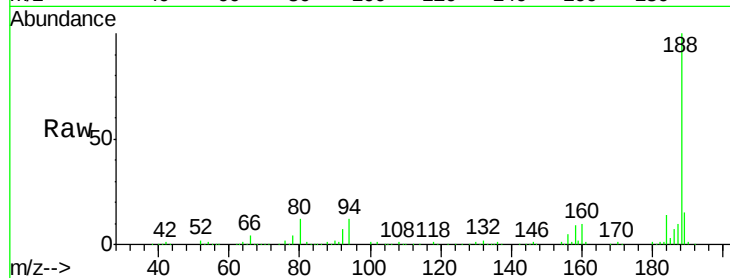
Tgt Ion:188 Resp: 260940

Ion Ratio Lower Upper

188 100

94 11.8 9.0 13.6

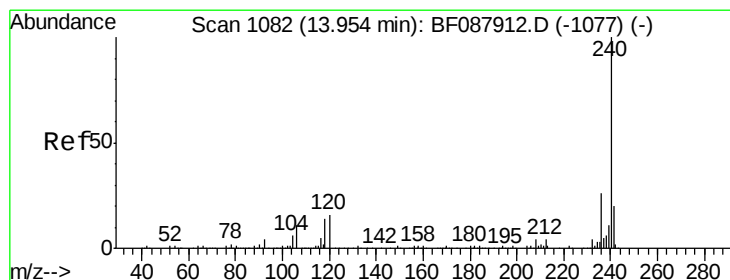
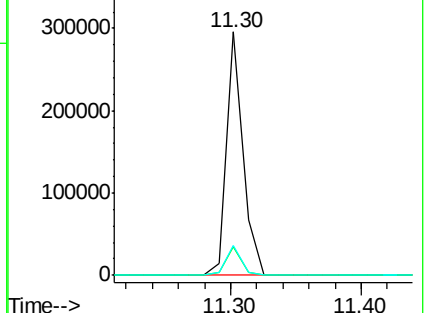
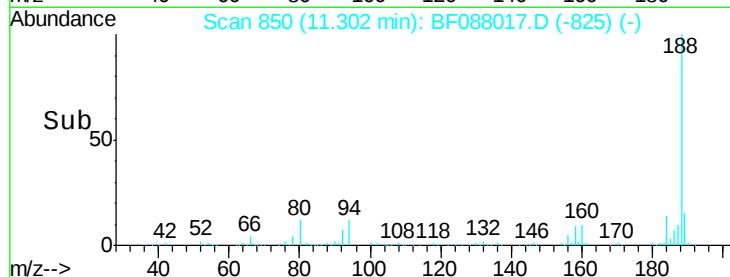
80 12.4 10.0 15.0



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088017.D

Acq: 15 Jun 2016 00:22

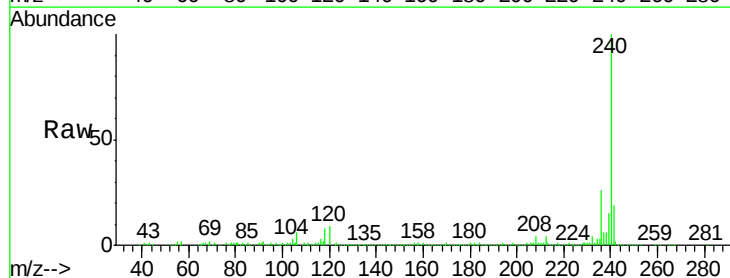
Tgt Ion:240 Resp: 256987

Ion Ratio Lower Upper

240 100

120 9.1 6.8 10.2

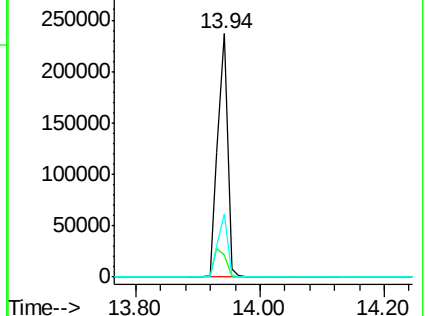
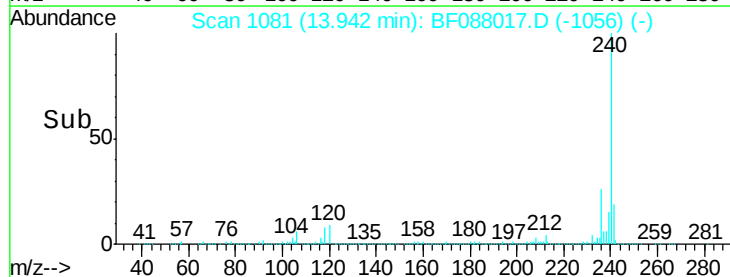
236 26.0 20.2 30.2

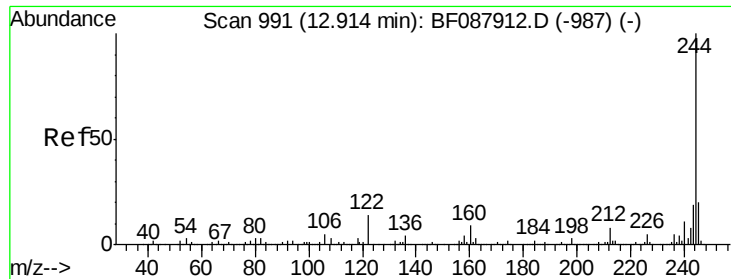


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

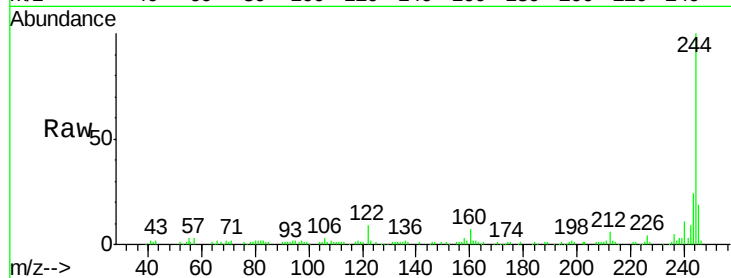




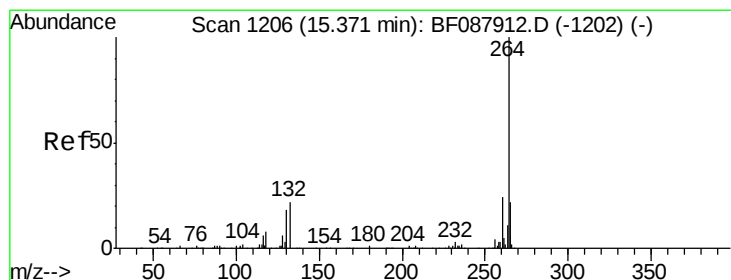
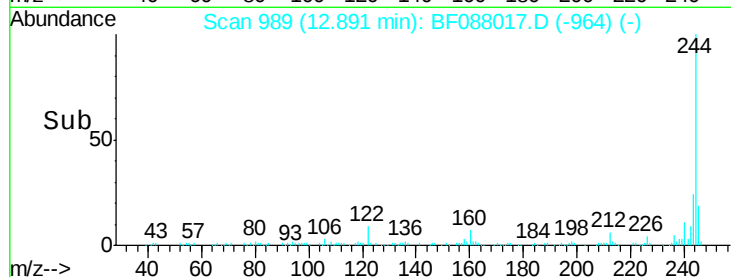
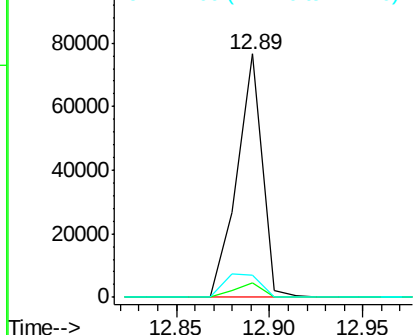
#78
 Terphenyl-d14
 Concen: 6.43 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BF088017.D
 Acq: 15 Jun 2016 00:22

Instrument :
 BNA_F
 ClientSampleId :
 T6-B4(0-6)C

Tgt Ion:244 Resp: 72603
 Ion Ratio Lower Upper
 244 100
 212 6.2 6.0 9.0
 122 8.9 11.2 16.8#

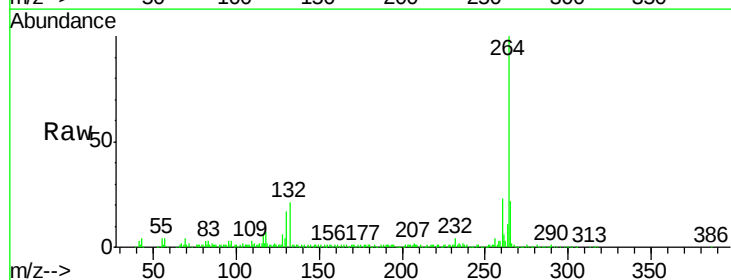


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF088017.D
 Acq: 15 Jun 2016 00:22

Tgt Ion:264 Resp: 195453
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 22.0 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

