

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070516\
 Data File : BF088700.D
 Acq On : 5 Jul 2016 13:48
 Operator : UM/SJ
 Sample : H3790-06RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BAG-19RE

Quant Time: Jul 05 17:11:14 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

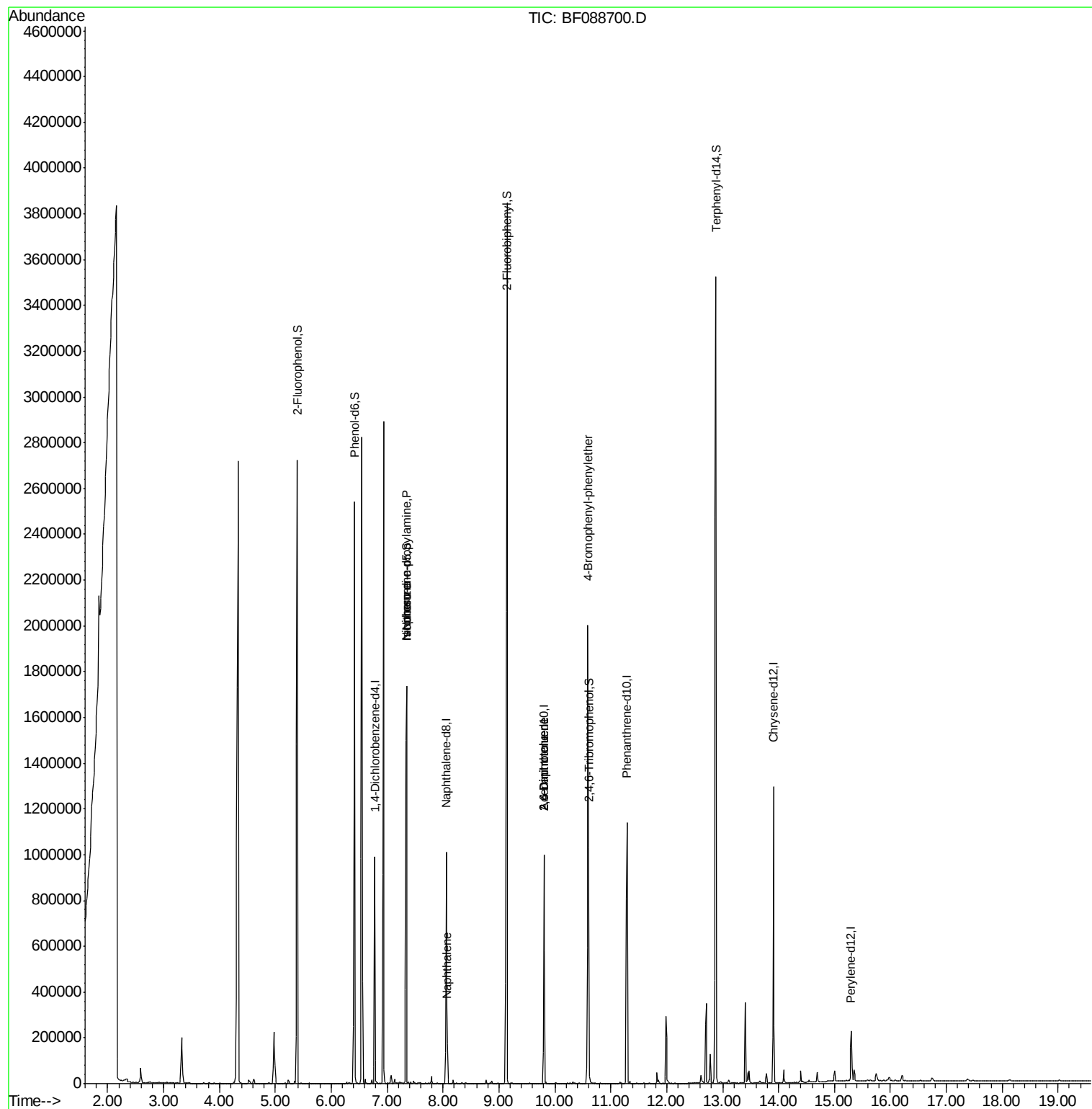
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	130756	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	516428	20.00	ng	-0.05
38) Acenaphthene-d10	9.80	164	226147	20.00	ng	-0.05
63) Phenanthrene-d10	11.29	188	536862	20.00	ng	-0.03
75) Chrysene-d12	13.91	240	394841	20.00	ng	-0.05
86) Perylene-d12	15.29	264	40138	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	854170	97.90	ng	-0.01
7) Phenol-d6	6.42	99	1035702	91.87	ng	-0.02
23) Nitrobenzene-d5	7.35	82	893320	90.65	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	345882	164.70	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	1408536	98.38	ng	-0.03
78) Terphenyl-d14	12.88	244	1408766	79.47	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	121493	16.04	ng	# 66
25) Isophorone	7.35	82	791440	43.36	ng	# 65
31) Naphthalene	8.08	128	73618	2.89	ng	98
50) 2,6-Dinitrotoluene	9.80	165	28941	8.10	ng	# 41
56) 2,4-Dinitrotoluene	9.80	165	28943	6.20	ng	# 39
66) 4-Bromophenyl-phenylether	10.59	248	20883	3.86	ng	# 1

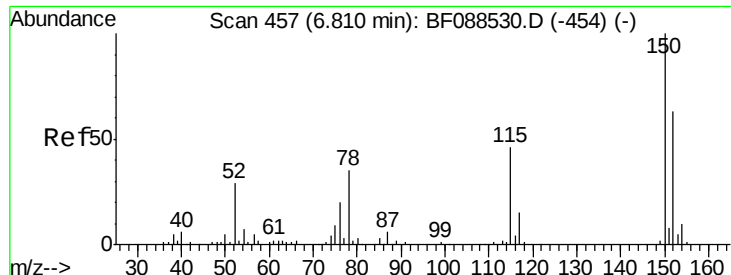
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

Instrument :

BNA_F

ClientSampleId :

BAG-19RE

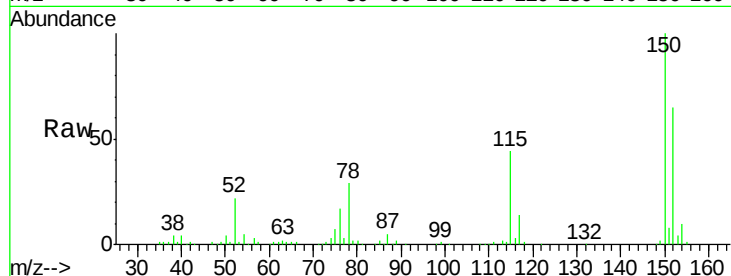
Tgt Ion:152 Resp: 130756

Ion Ratio Lower Upper

152 100

150 154.8 123.8 185.6

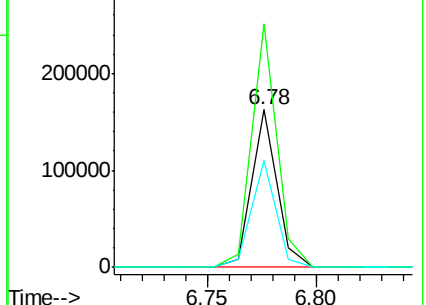
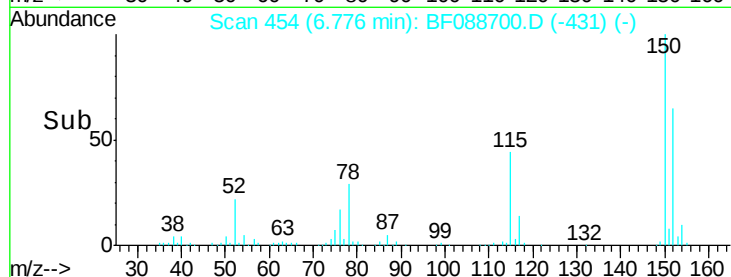
115 67.8 39.6 59.4#



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: 97.90 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.01 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

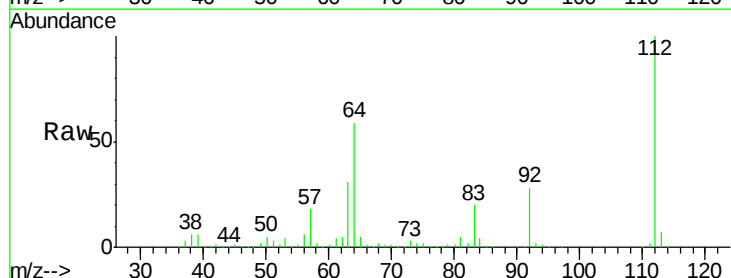
Tgt Ion:112 Resp: 854170

Ion Ratio Lower Upper

112 100

64 59.3 42.2 63.2

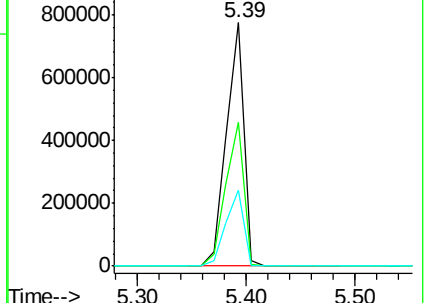
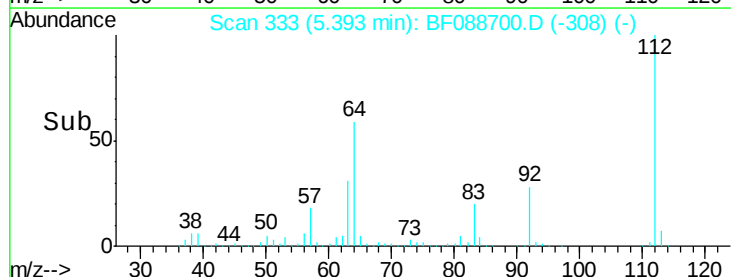
63 31.2 21.8 32.8

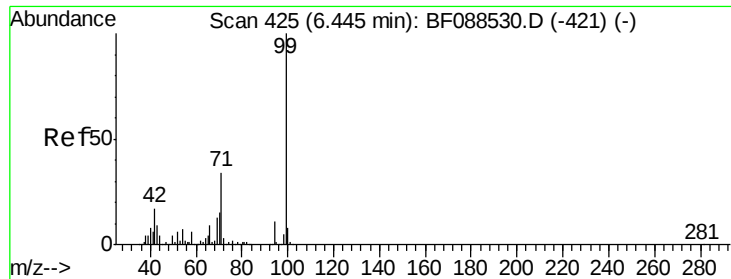


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.87 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

Instrument :

BNA_F

ClientSampled :

BAG-19RE

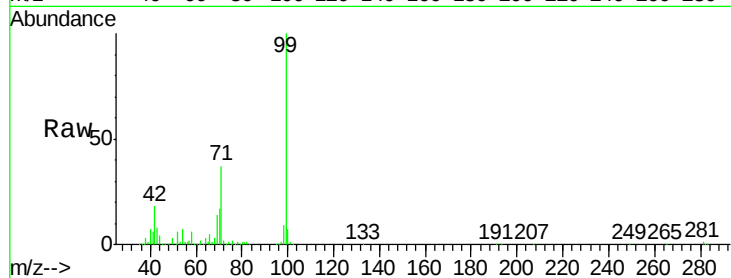
Tgt Ion: 99 Resp: 1035702

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

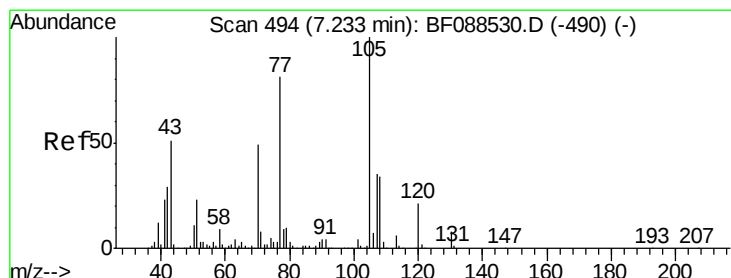
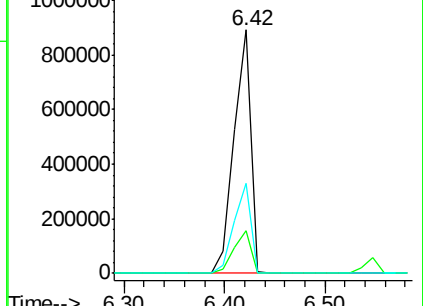
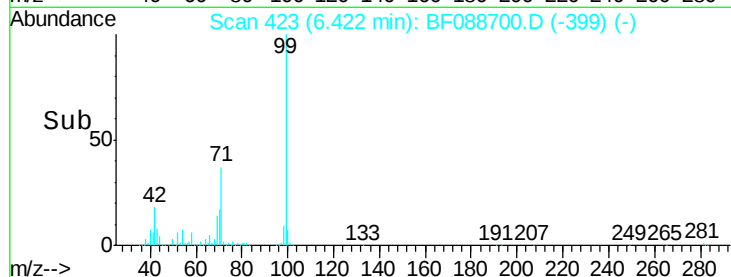
71 36.7 23.4 35.0#



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: 16.04 ng

RT: 7.35 min Scan# 504

Delta R.T. 0.11 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

Tgt Ion: 70 Resp: 121493

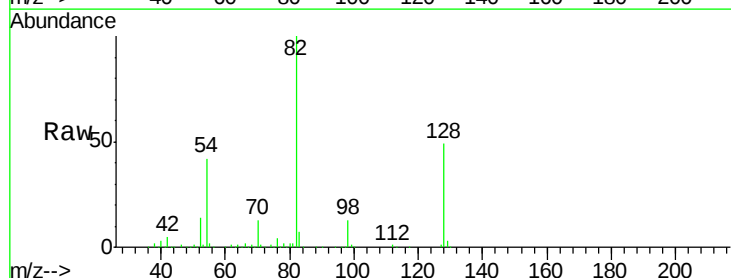
Ion Ratio Lower Upper

70 100

42 35.8 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

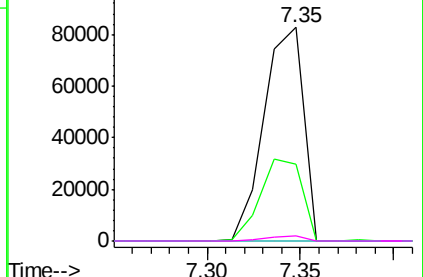
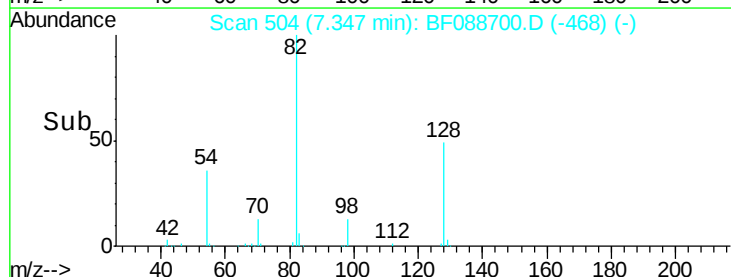


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.06 min Scan# 566

Delta R.T. -0.05 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

Instrument :

BNA_F

ClientSampleId :

BAG-19RE

Tgt Ion:136 Resp: 516428

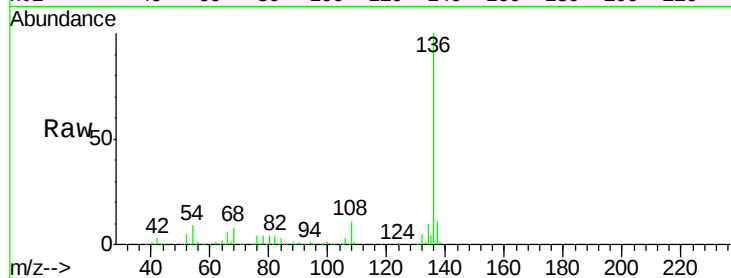
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.9 6.6 10.0

68 7.6 5.1 7.7

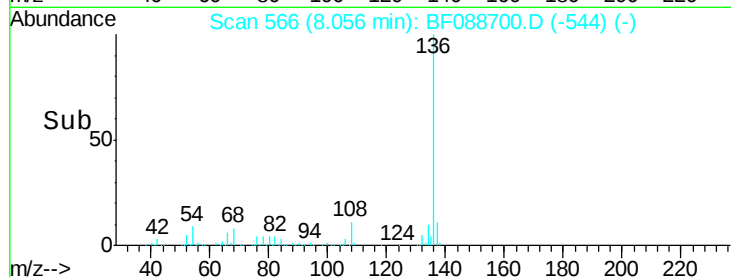


Abundance Ion 136.00 (135.70 to 136.70): E

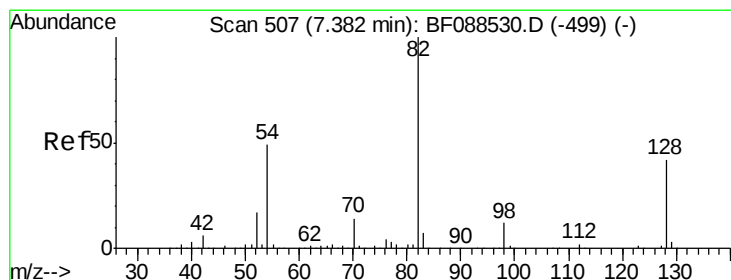
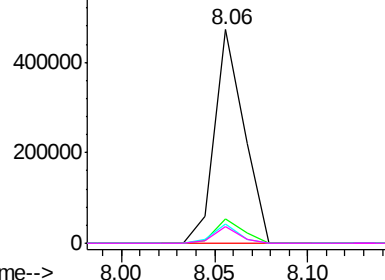
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 90.65 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.03 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

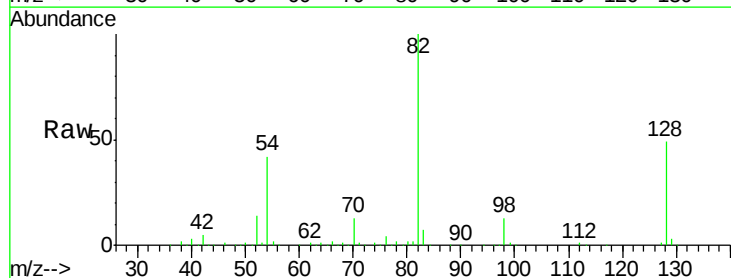
Tgt Ion: 82 Resp: 893320

Ion Ratio Lower Upper

82 100

128 49.0 35.9 53.9

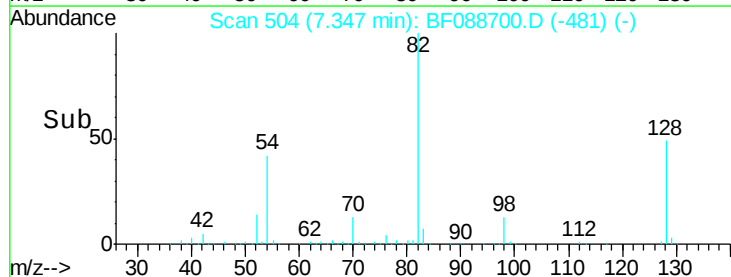
54 41.9 40.9 61.3



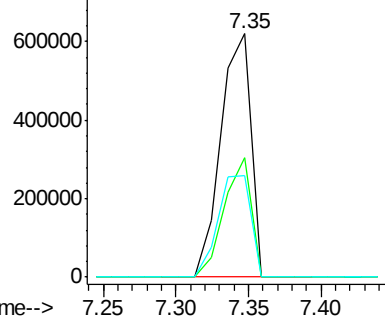
Abundance Ion 82.00 (81.70 to 82.70): BF0

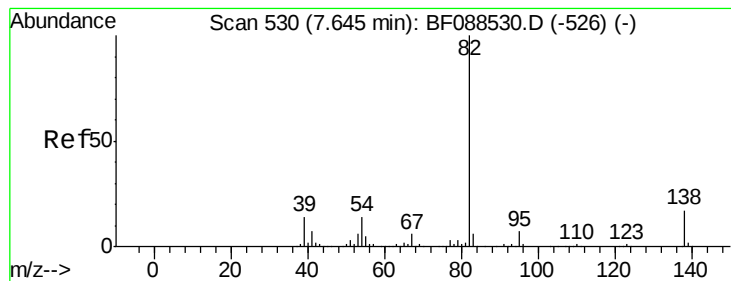
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 43.36 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.30 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

Instrument :

BNA_F

ClientSampleId :

BAG-19RE

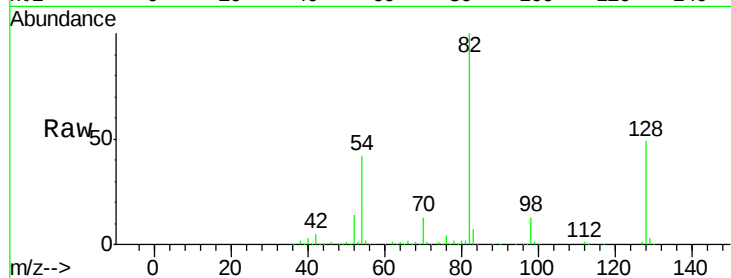
Tgt Ion: 82 Resp: 791440

Ion Ratio Lower Upper

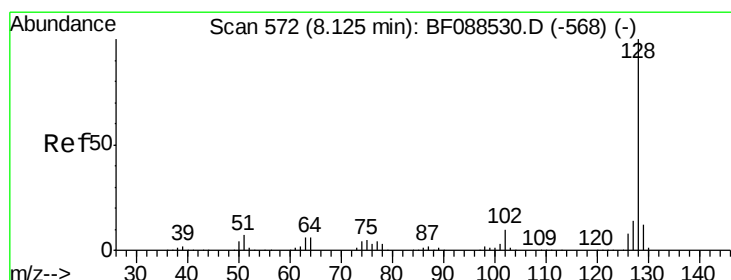
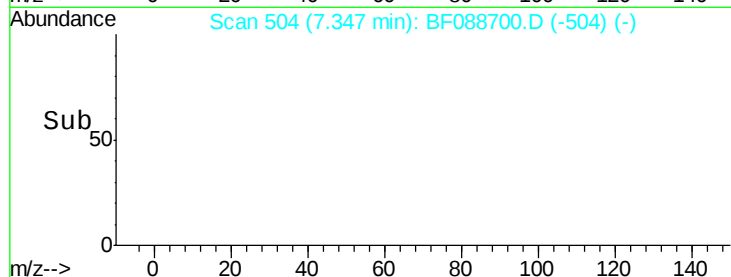
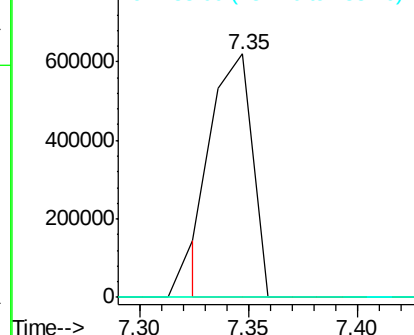
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 2.89 ng

RT: 8.08 min Scan# 568

Delta R.T. -0.05 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

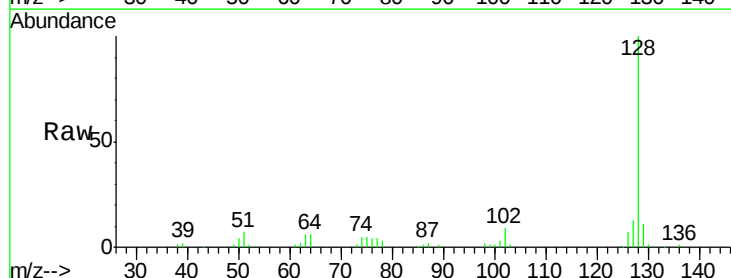
Tgt Ion: 128 Resp: 73618

Ion Ratio Lower Upper

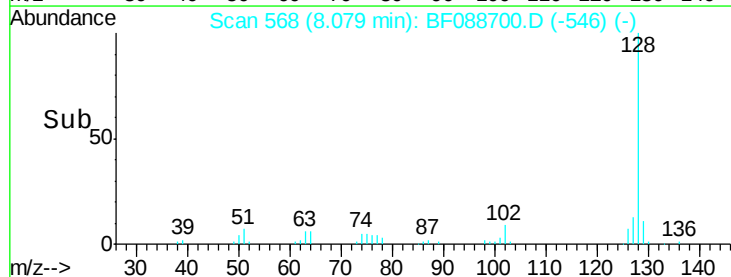
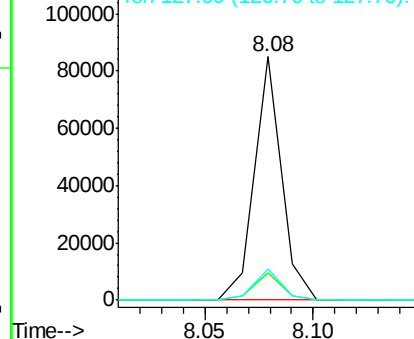
128 100

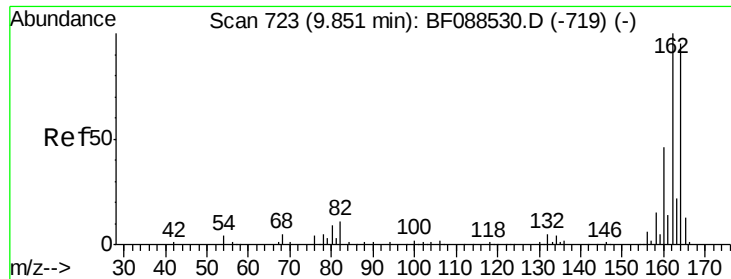
129 11.3 9.4 14.2

127 12.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

Instrument :

BNA_F

ClientSampleId :

BAG-19RE

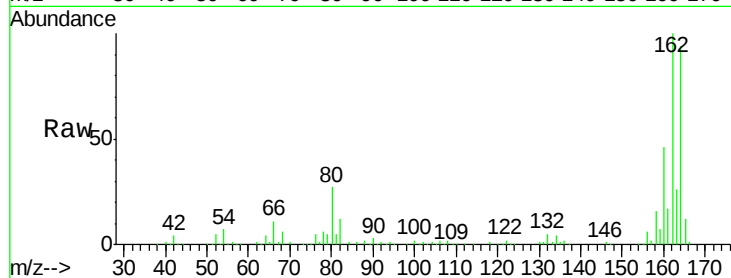
Tgt Ion:164 Resp: 226147

Ion Ratio Lower Upper

164 100

162 106.3 85.4 128.2

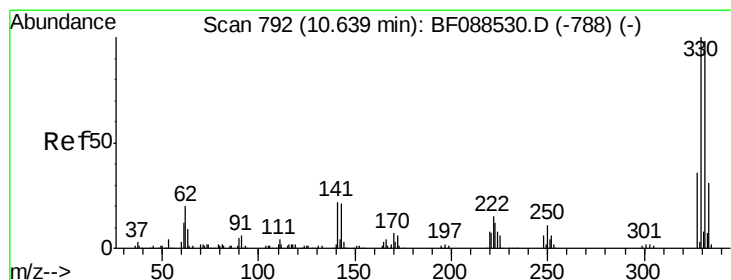
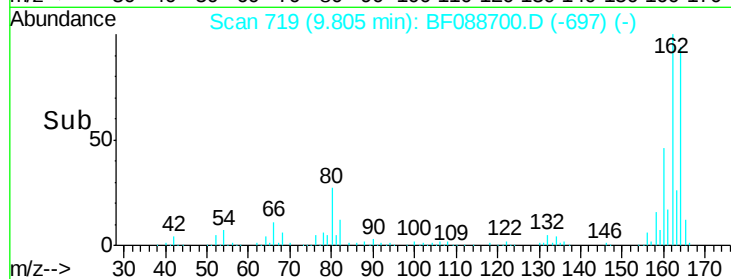
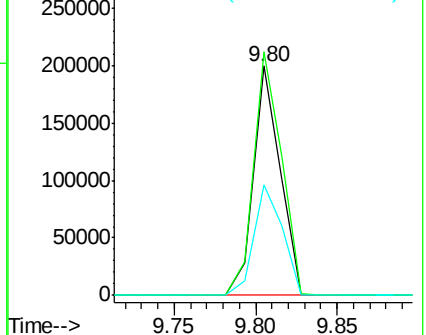
160 48.4 39.5 59.3



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: 164.70 ng

RT: 10.60 min Scan# 789

Delta R.T. -0.03 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

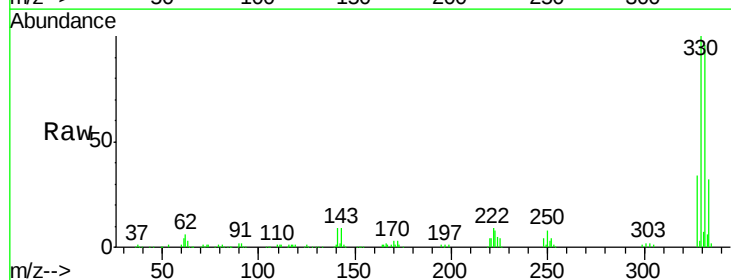
Tgt Ion:330 Resp: 345882

Ion Ratio Lower Upper

330 100

332 95.9 0.0 0.0#

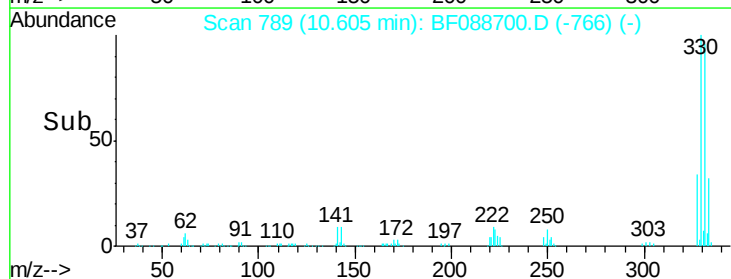
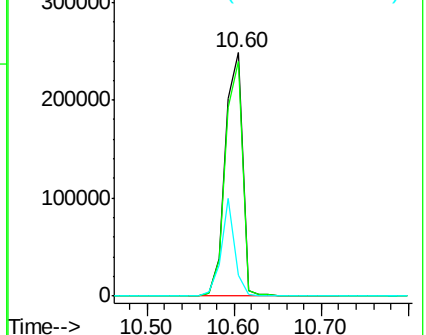
141 31.9 0.0 0.0#

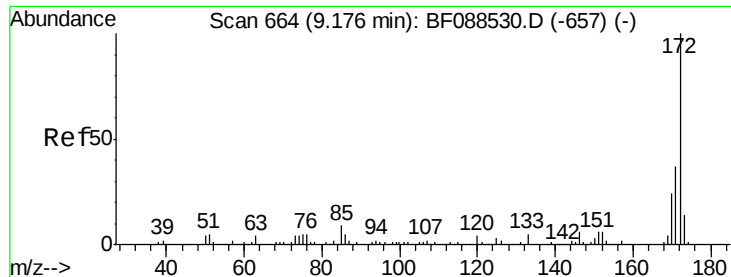


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

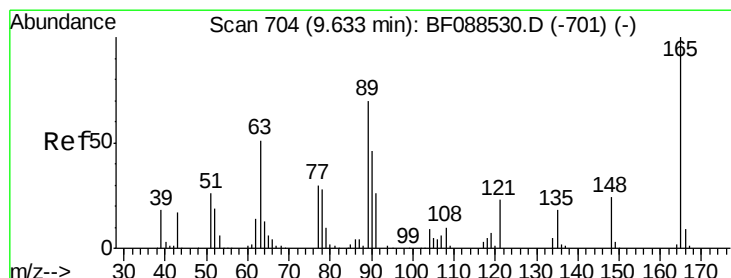
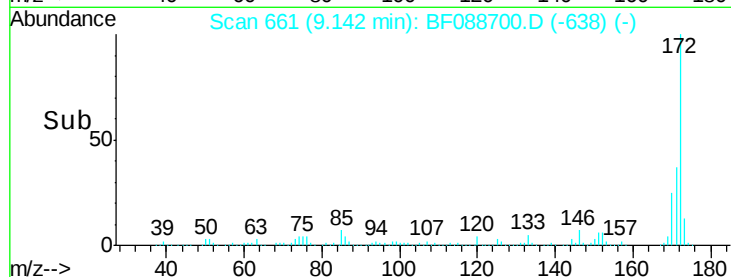
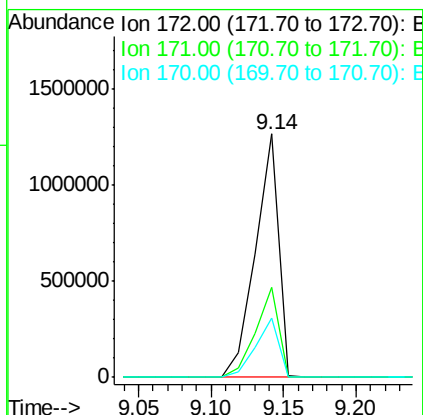
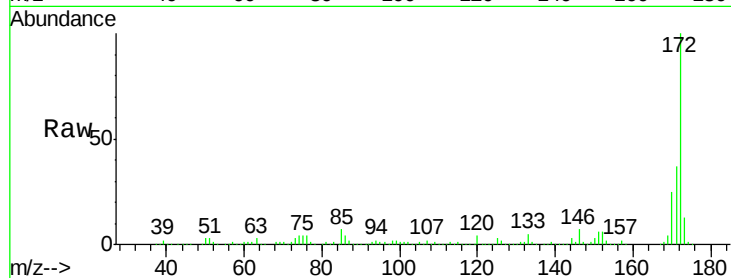




#44
 2-Fluorobiphenyl
 Concen: 98.38 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.03 min
 Lab File: BF088700.D
 Acq: 5 Jul 2016 13:48

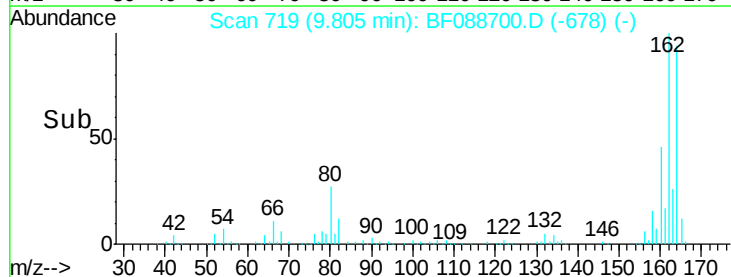
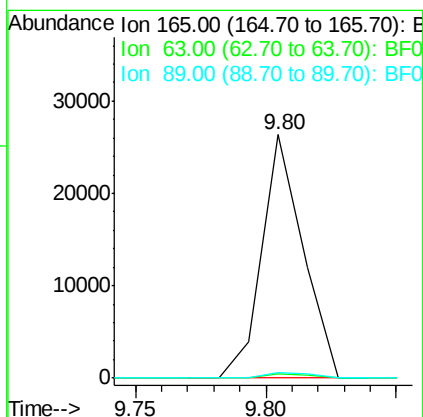
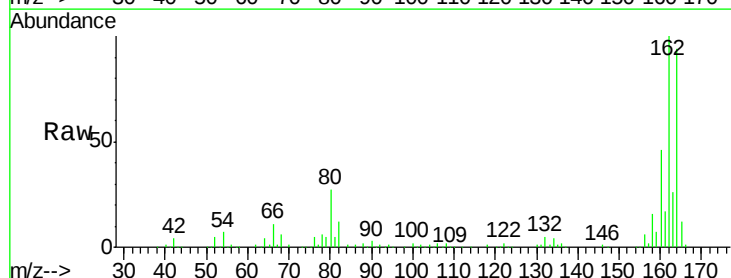
Instrument :
 BNA_F
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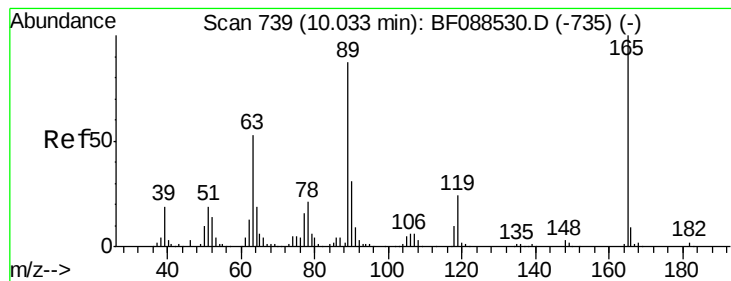
Tgt Ion:172 Resp: 1408536
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.6 43.0
 170 24.6 19.2 28.8



#50
 2,6-Dinitrotoluene
 Concen: 8.10 ng
 RT: 9.80 min Scan# 719
 Delta R.T. 0.17 min
 Lab File: BF088700.D
 Acq: 5 Jul 2016 13:48

Tgt Ion:165 Resp: 28941
 Ion Ratio Lower Upper
 165 100
 63 2.0 28.1 42.1#
 89 2.1 32.2 48.2#





#56

2,4-Dinitrotoluene

Concen: 6.20 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.23 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

Instrument :

BNA_F

ClientSampleId :

BAG-19RE

Tgt Ion:165 Resp: 28943

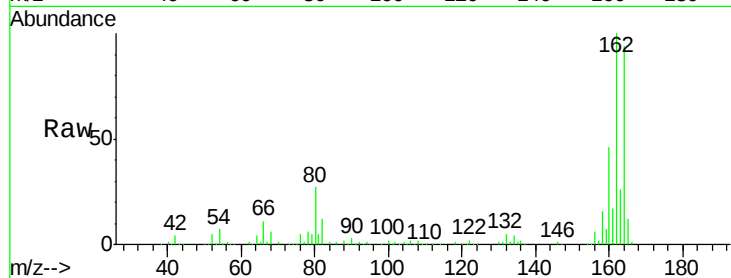
Ion Ratio Lower Upper

165 100

63 2.0 22.0 33.0#

89 2.1 41.1 61.7#

182 0.0 2.0 3.0#

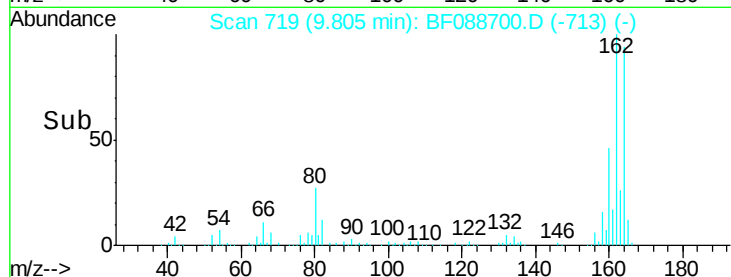


Abundance Ion 165.00 (164.70 to 165.70): E

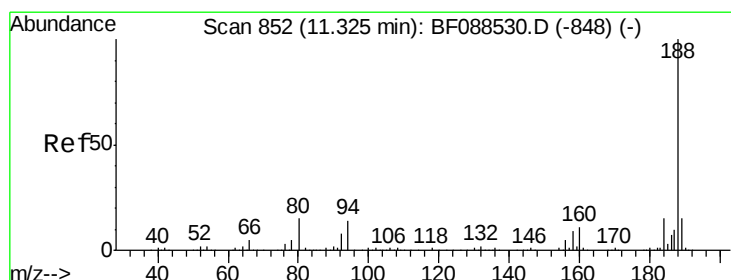
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 849

Delta R.T. -0.03 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

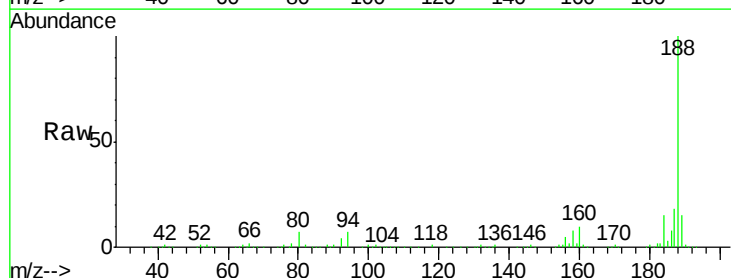
Tgt Ion:188 Resp: 536862

Ion Ratio Lower Upper

188 100

94 7.0 9.0 13.6#

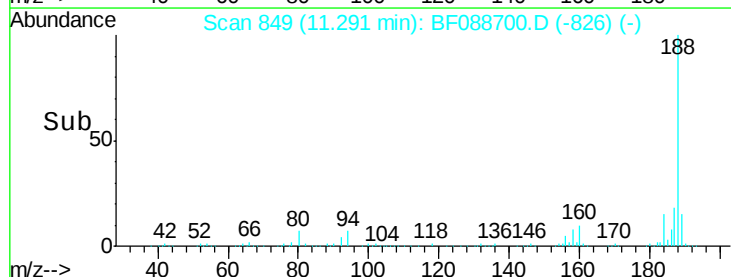
80 7.4 10.0 15.0#



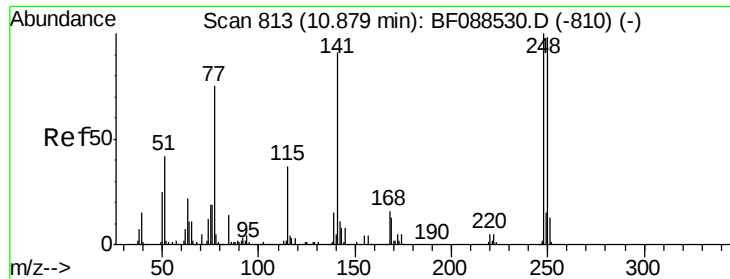
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.86 ng

RT: 10.59 min Scan# 788

Delta R.T. -0.29 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

Instrument :

BNA_F

ClientSampleId :

BAG-19RE

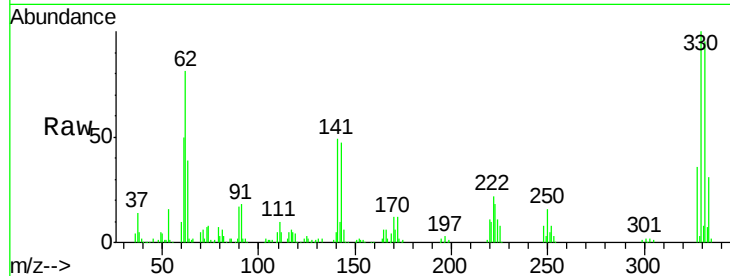
Tgt Ion:248 Resp: 20883

Ion Ratio Lower Upper

248 100

250 200.0 77.1 115.7#

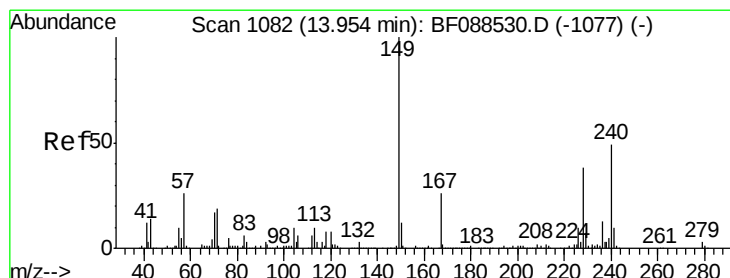
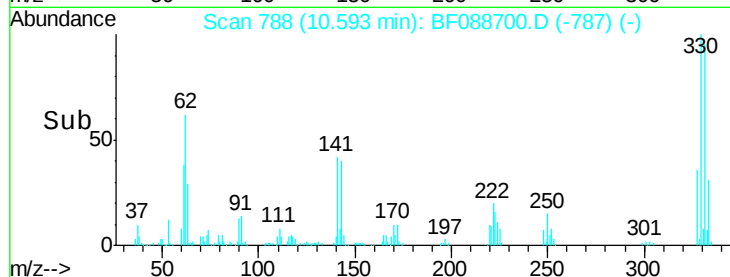
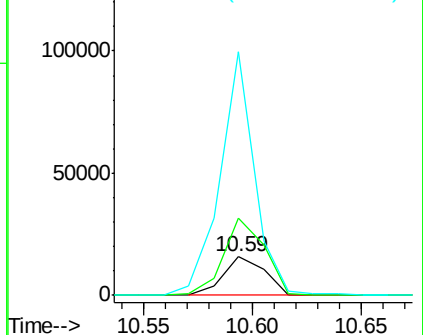
141 630.9 50.6 76.0#



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: 13.91 min Scan# 1078

Delta R.T. -0.05 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

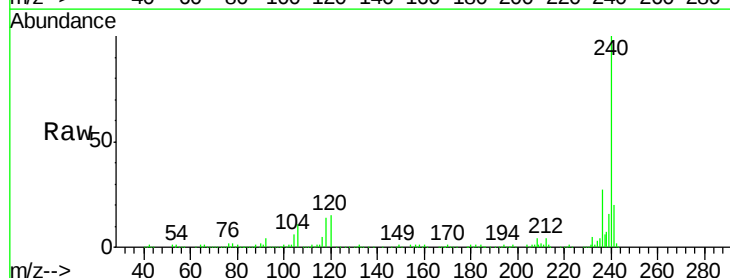
Tgt Ion:240 Resp: 394841

Ion Ratio Lower Upper

240 100

120 15.2 6.8 10.2#

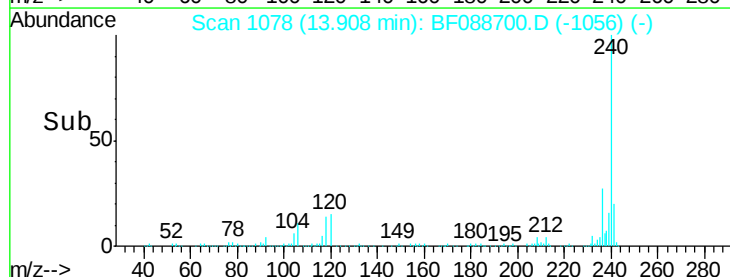
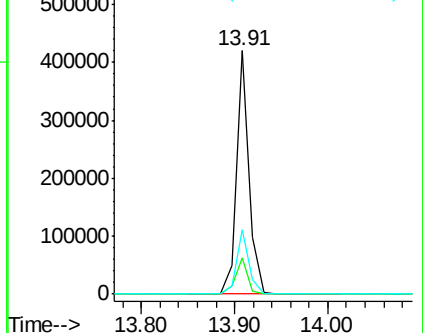
236 26.7 20.2 30.2

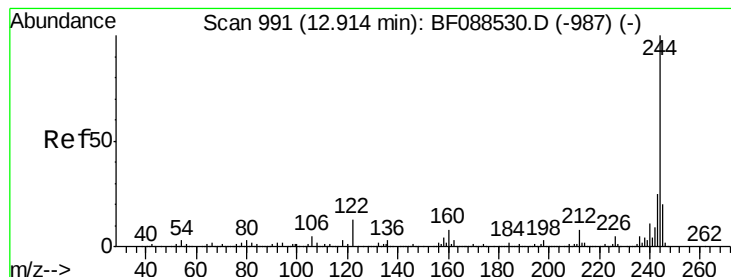


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 79.47 ng

RT: 12.88 min Scan# 988

Delta R.T. -0.03 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

Instrument :

BNA_F

ClientSampleId :

BAG-19RE

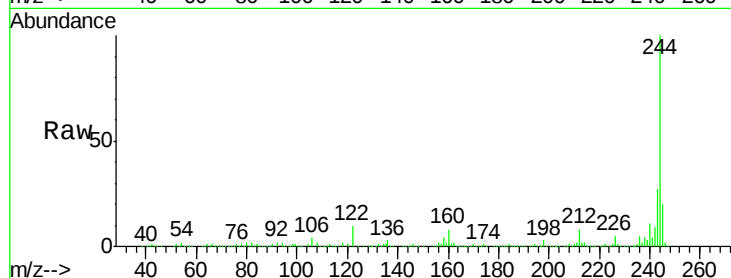
Tgt Ion:244 Resp: 1408766

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

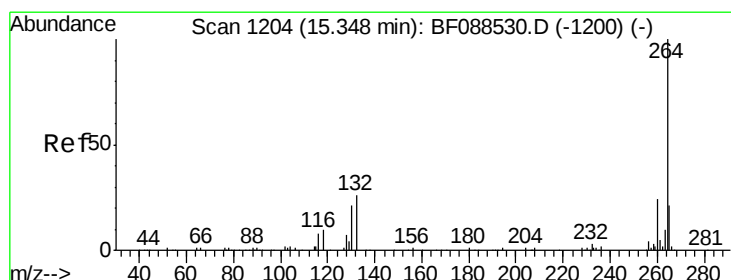
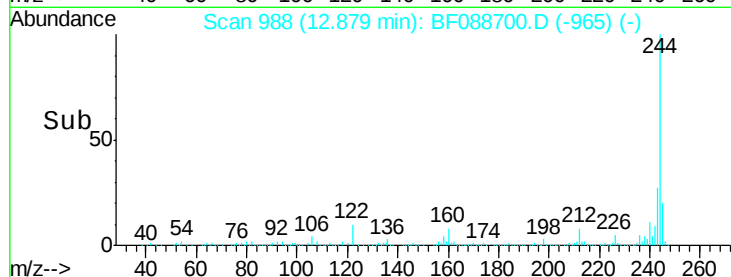
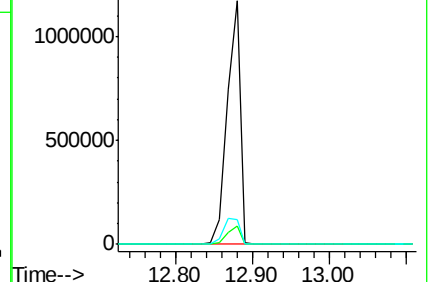
122 10.3 11.2 16.8#



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: 15.29 min Scan# 1199

Delta R.T. -0.06 min

Lab File: BF088700.D

Acq: 5 Jul 2016 13:48

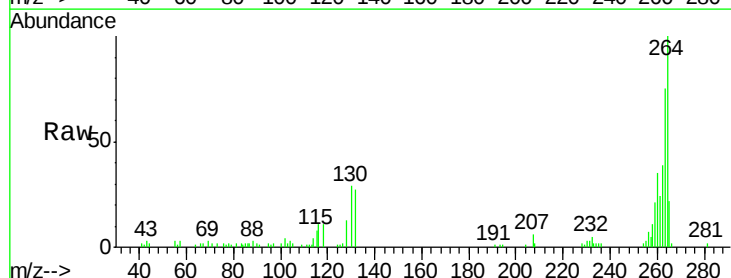
Tgt Ion:264 Resp: 40138

Ion Ratio Lower Upper

264 100

260 34.9 19.2 28.8#

265 21.5 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

