

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070616\
 Data File : BF088760.D
 Acq On : 7 Jul 2016 3:49
 Operator : UM/SJ
 Sample : H3879-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C2.1-04

Quant Time: Jul 07 06:40:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 01:24:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	92847	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	381677	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	164186	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	262792	20.00	ng	0.00
75) Chrysene-d12	13.89	240	189404	20.00	ng	0.00
86) Perylene-d12	15.27	264	179599	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	566999	91.52	ng	0.00
7) Phenol-d6	6.39	99	667665	83.41	ng	0.00
23) Nitrobenzene-d5	7.31	82	425717	58.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	152561	100.06	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	766013	73.70	ng	-0.01
78) Terphenyl-d14	12.85	244	543907	63.96	ng	0.00

Target Compounds

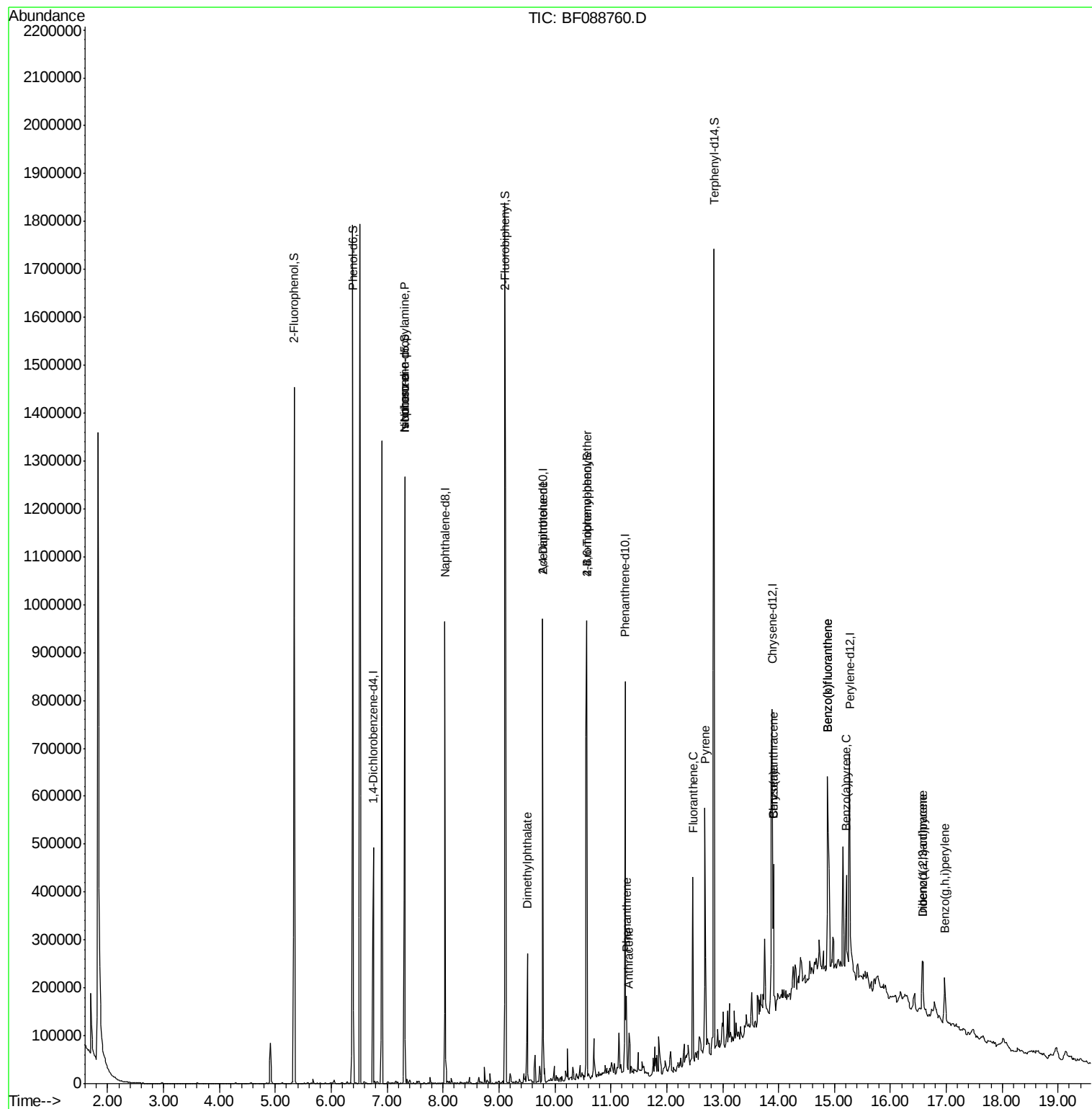
						Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	58922	10.96	ng	# 72
25) Isophorone	7.31	82	329522	24.42	ng	# 65
49) Dimethylphthalate	9.51	163	110279	9.43	ng	99
56) 2,4-Dinitrotoluene	9.78	165	21749	6.42	ng	# 38
66) 4-Bromophenyl-phenylether	10.57	248	9826	3.71	ng	# 1
70) Phenanthrene	11.28	178	53197	3.70	ng	99
71) Anthracene	11.32	178	39290	2.75	ng	97
74) Fluoranthene	12.47	202	225040	15.45	ng	92
77) Pyrene	12.68	202	218750	13.62	ng	98
80) Benzo(a)anthracene	13.91	228	128178	10.51	ng	96
82) Chrysene	13.91	228	128040	10.61	ng	97
85) Indeno(1,2,3-cd)pyrene	16.57	276	71653	7.72	ng	# 100
87) Benzo(b)fluoranthene	14.88	252	269198	23.89	ng	# 93
88) Benzo(k)fluoranthene	14.88	252	269198	27.45	ng	98
89) Benzo(a)pyrene	15.21	252	85066	8.92	ng	96
90) Dibenzo(a,h)anthracene	16.58	278	17254	2.17	ng	# 87
91) Benzo(g,h,i)perylene	16.97	276	65778	7.98	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 452

Delta R.T. -0.00 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

Instrument :

BNA_F

ClientSampleId :

C2.1-04

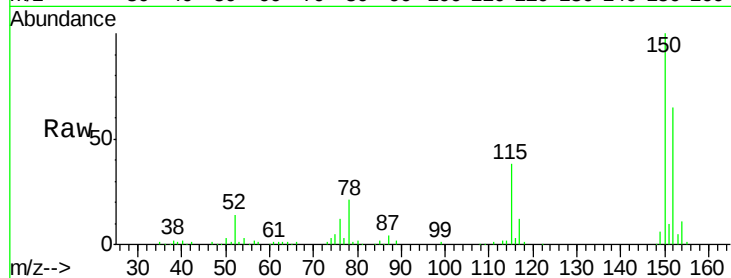
Tgt Ion:152 Resp: 92847

Ion Ratio Lower Upper

152 100

150 153.6 123.8 185.6

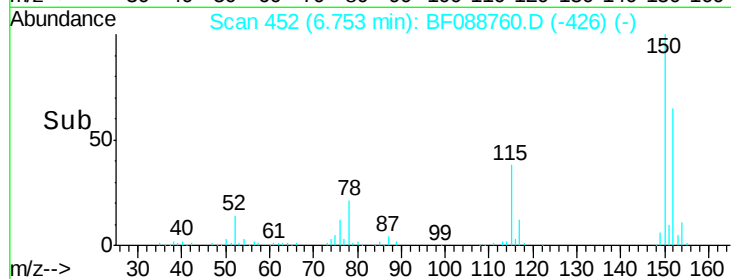
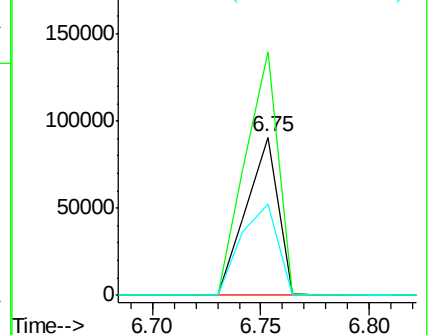
115 57.6 39.6 59.4



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: 91.52 ng

RT: 5.34 min Scan# 328

Delta R.T. -0.00 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

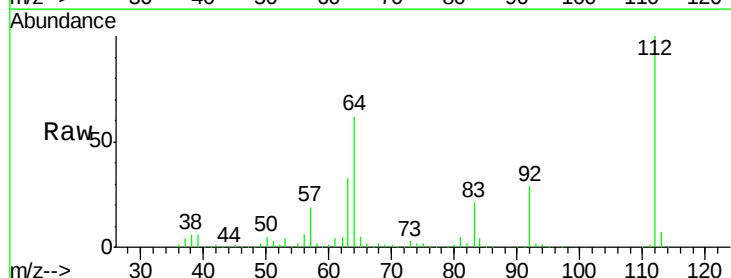
Tgt Ion:112 Resp: 566999

Ion Ratio Lower Upper

112 100

64 61.9 42.2 63.2

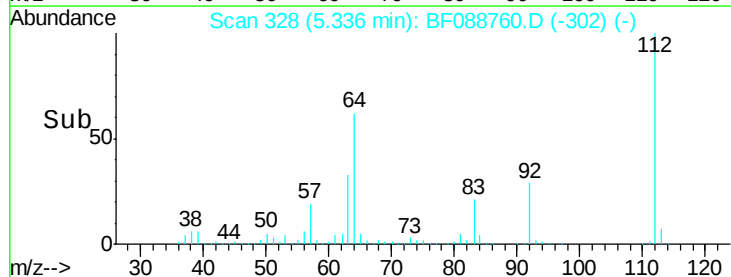
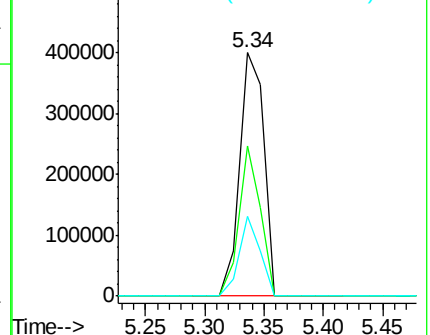
63 33.0 21.8 32.8#

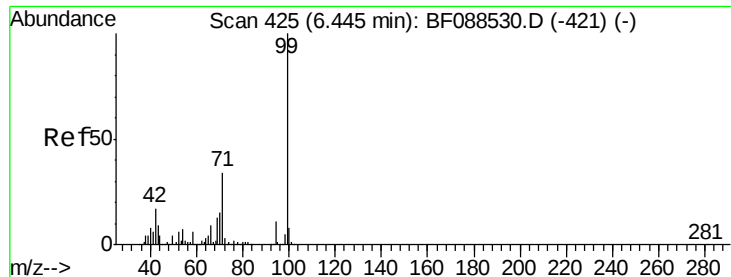


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 83.41 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.00 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

Instrument :

BNA_F

ClientSampled :

C2.1-04

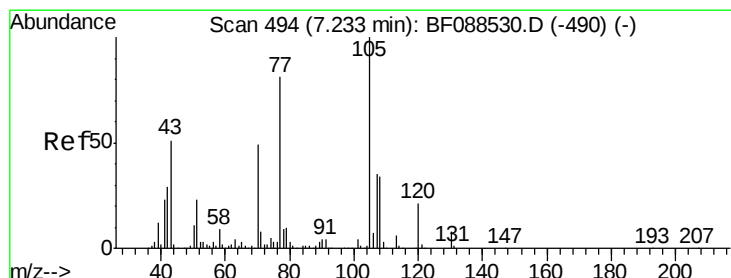
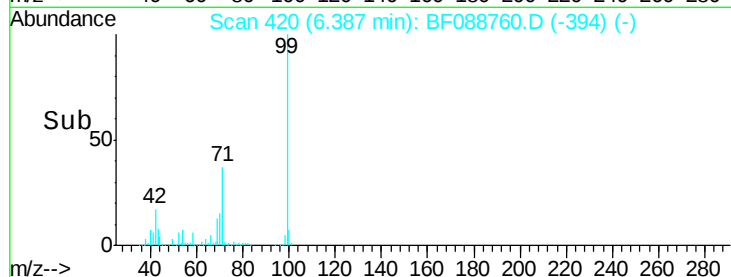
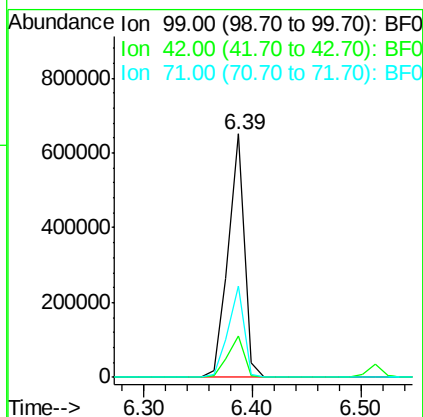
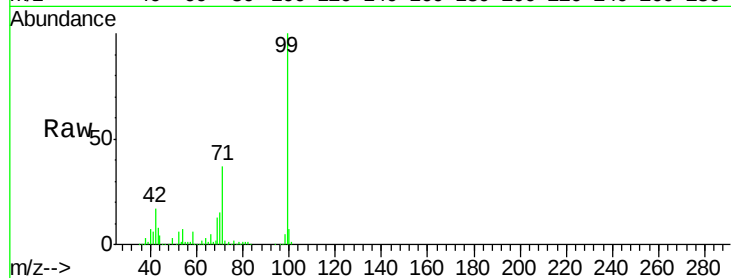
Tgt Ion: 99 Resp: 667665

Ion Ratio Lower Upper

99 100

42 17.2 12.2 18.2

71 37.3 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 10.96 ng

RT: 7.31 min Scan# 501

Delta R.T. 0.14 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

Tgt Ion: 70 Resp: 58922

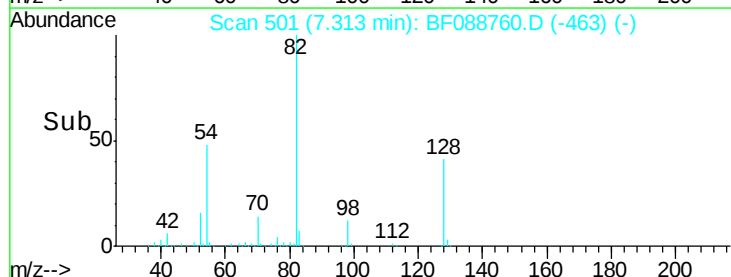
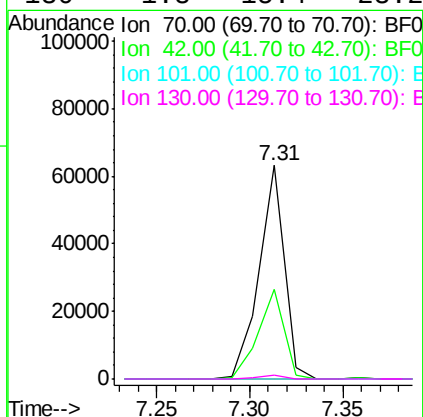
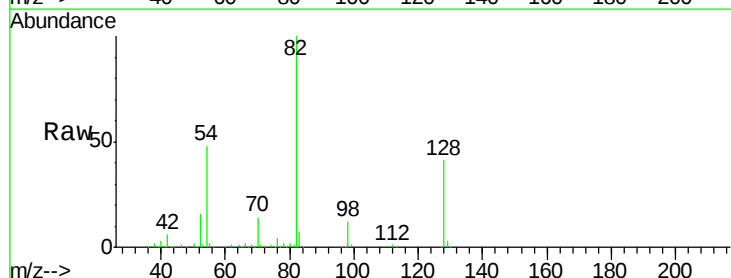
Ion Ratio Lower Upper

70 100

42 42.1 49.6 74.4#

101 0.0 7.1 10.7#

130 1.8 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

Instrument :

BNA_F

ClientSampleId :

C2.1-04

Tgt Ion:136 Resp: 381677

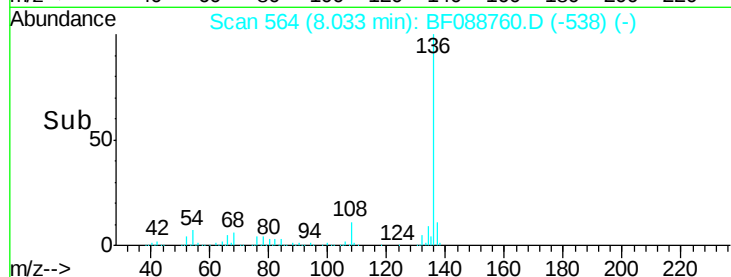
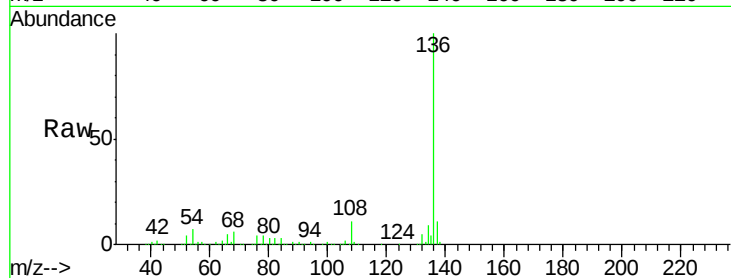
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.3 6.6 10.0

68 5.8 5.1 7.7

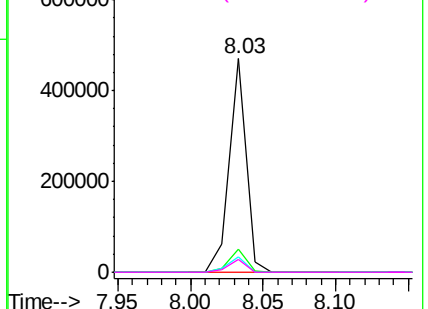


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.45 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.01 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

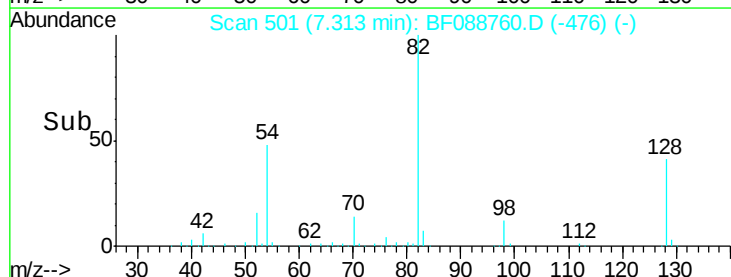
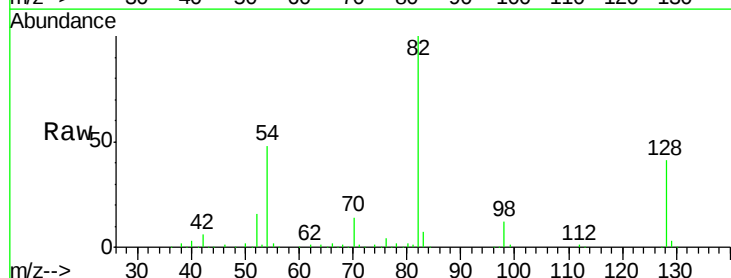
Tgt Ion: 82 Resp: 425717

Ion Ratio Lower Upper

82 100

128 40.6 35.9 53.9

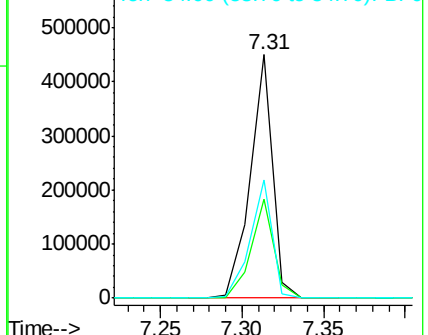
54 48.4 40.9 61.3

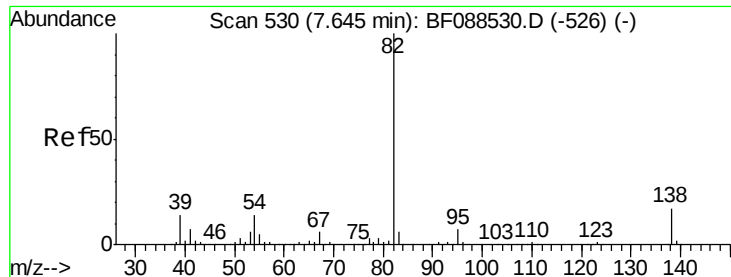


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 24.42 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.26 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

Instrument :

BNA_F

ClientSampleId :

C2.1-04

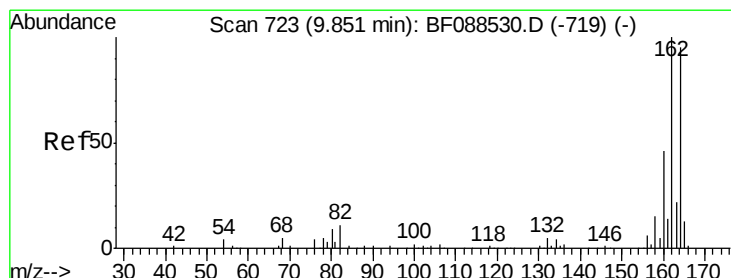
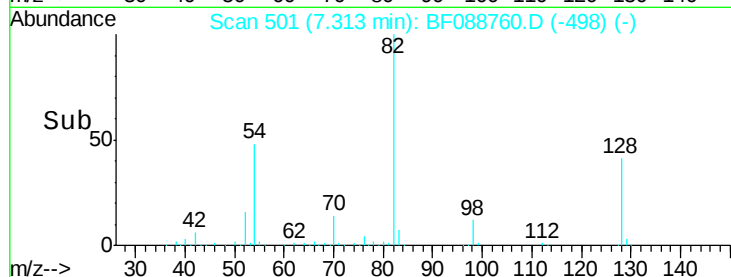
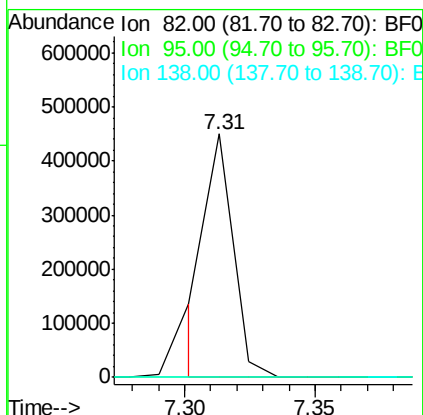
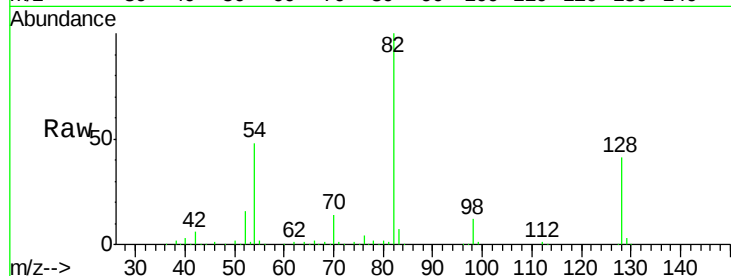
Tgt Ion: 82 Resp: 329522

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.00 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

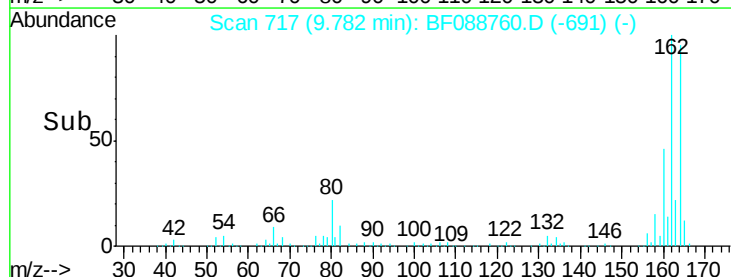
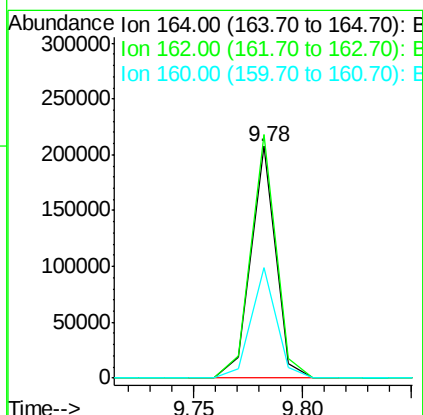
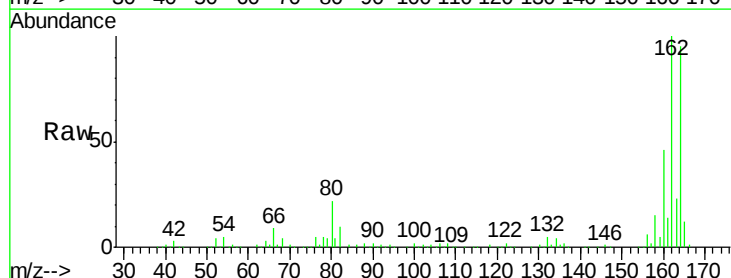
Tgt Ion: 164 Resp: 164186

Ion Ratio Lower Upper

164 100

162 104.9 85.4 128.2

160 47.9 39.5 59.3





#41

2,4,6-Tribromophenol

Concen: 100.06 ng

RT: 10.57 min Scan# 786

Delta R.T. -0.00 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

Instrument :

BNA_F

ClientSampleId :

C2.1-04

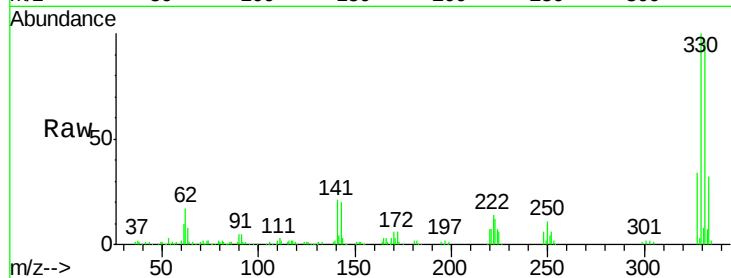
Tgt Ion:330 Resp: 152561

Ion Ratio Lower Upper

330 100

332 94.9 0.0 0.0#

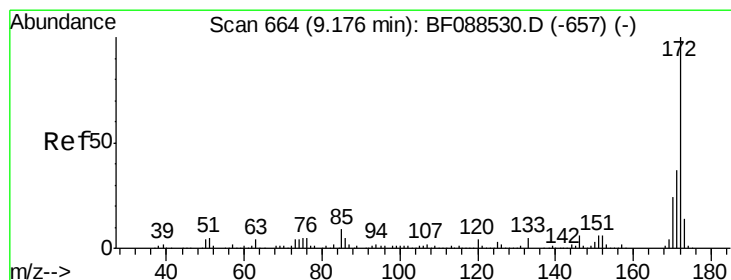
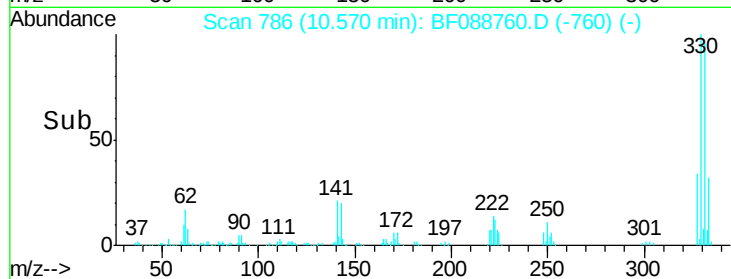
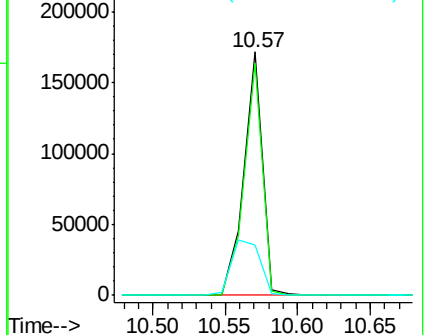
141 36.1 0.0 0.0#



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: 73.70 ng

RT: 9.11 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

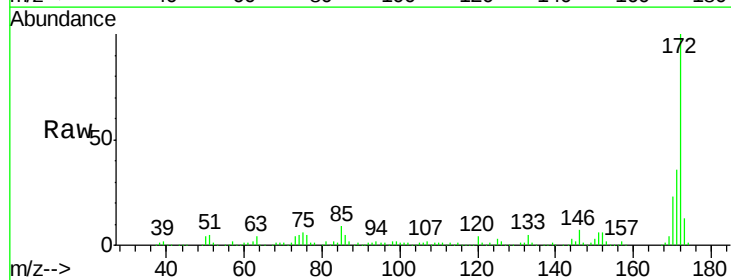
Tgt Ion:172 Resp: 766013

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

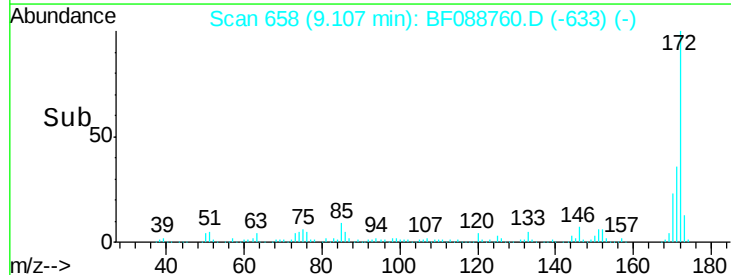
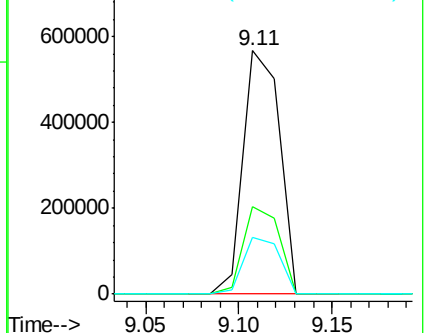
170 23.5 19.2 28.8

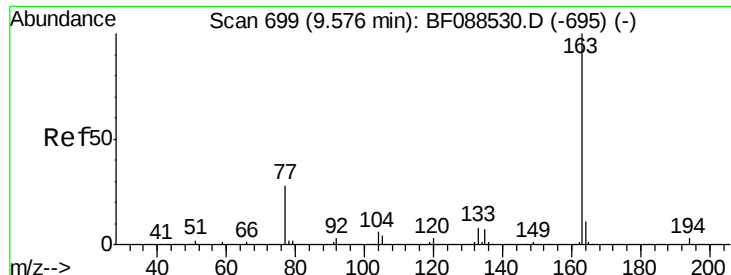


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 9.43 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

Instrument :

BNA_F

ClientSampleId :

C2.1-04

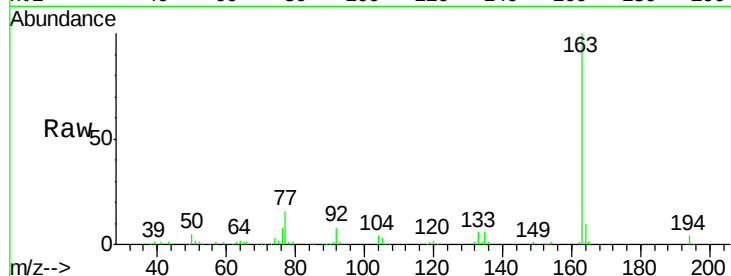
Tgt Ion:163 Resp: 110279

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

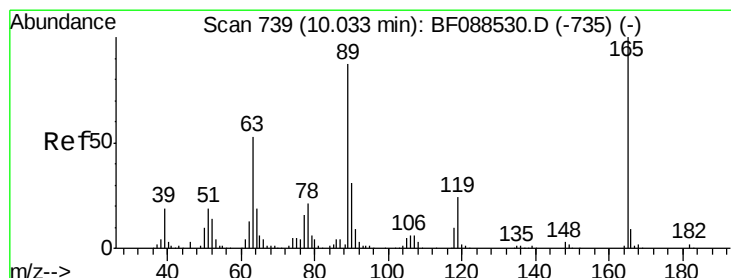
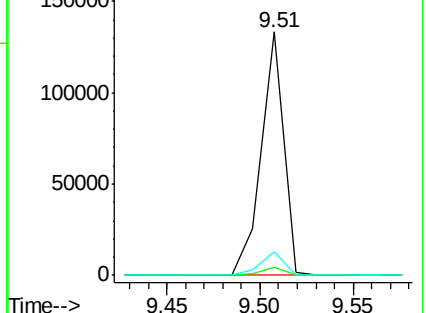
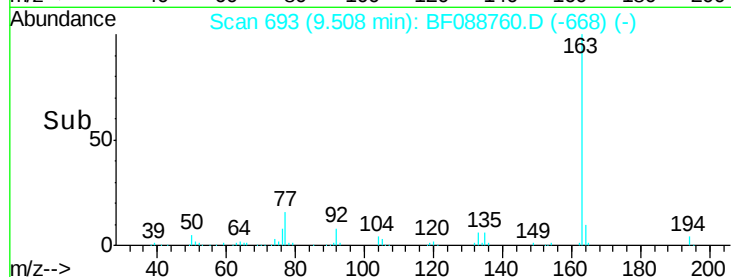
164 9.8 8.3 12.5



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: 6.42 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.19 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

Tgt Ion:165 Resp: 21749

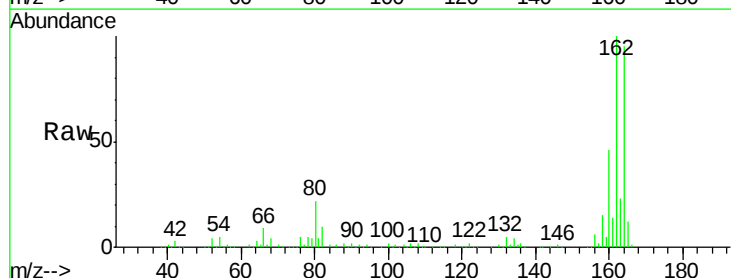
Ion Ratio Lower Upper

165 100

63 1.8 22.0 33.0#

89 1.8 41.1 61.7#

182 0.0 2.0 3.0#

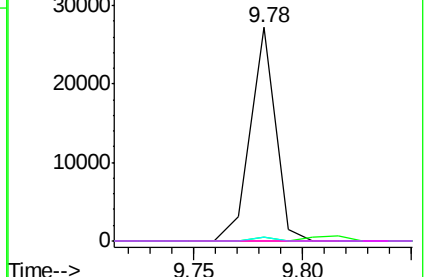
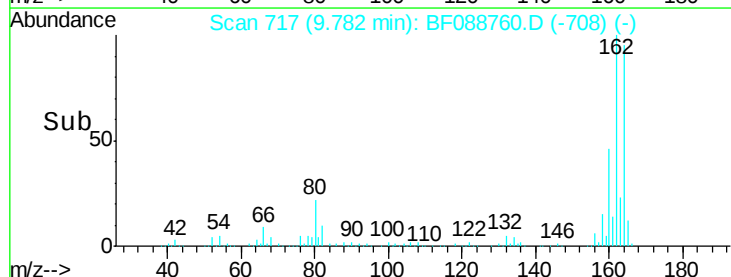


Abundance Ion 165.00 (164.70 to 165.70): E

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

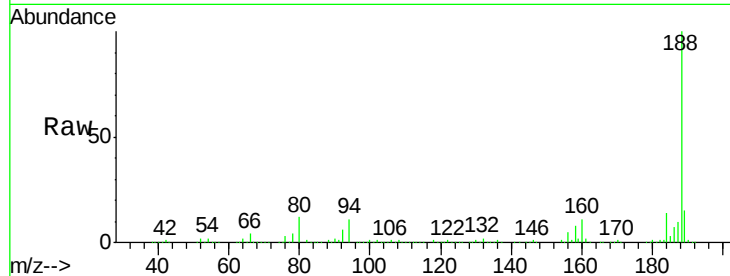




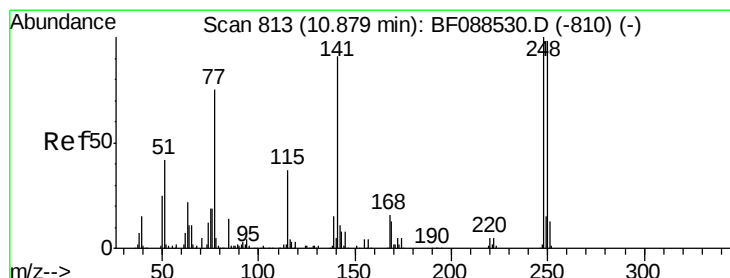
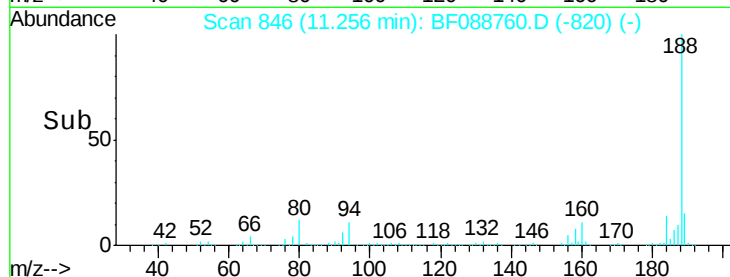
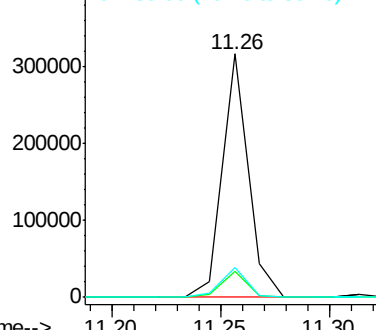
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Instrument :
BNA_F
ClientSampleId :
C2.1-04

Tgt Ion:188 Resp: 262792
Ion Ratio Lower Upper
188 100
94 10.9 9.0 13.6
80 12.5 10.0 15.0

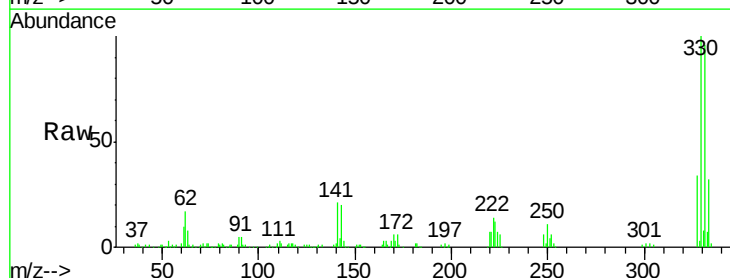


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

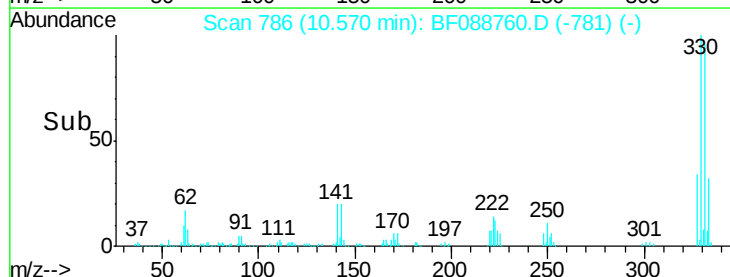
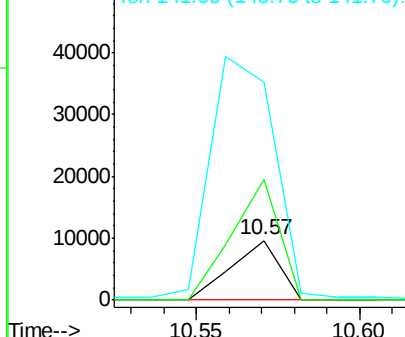


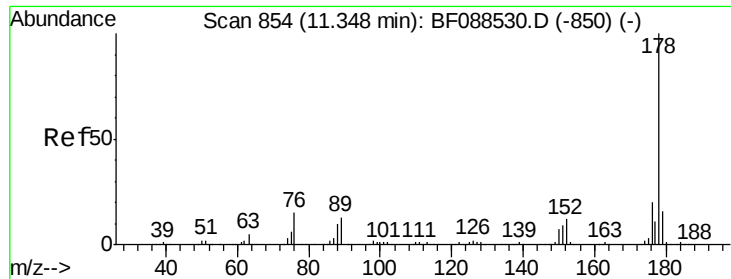
#66
4-Bromophenyl-phenylether
Concen: 3.71 ng
RT: 10.57 min Scan# 786
Delta R.T. -0.24 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:248 Resp: 9826
Ion Ratio Lower Upper
248 100
250 204.3 77.1 115.7#
141 366.9 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

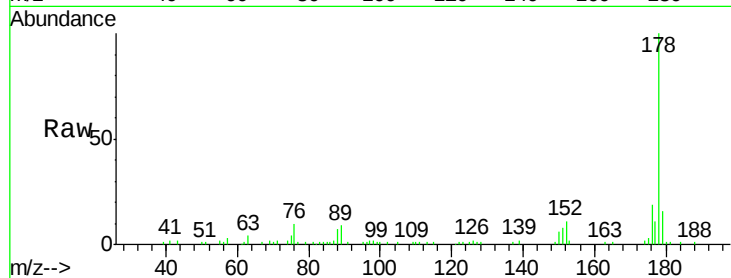




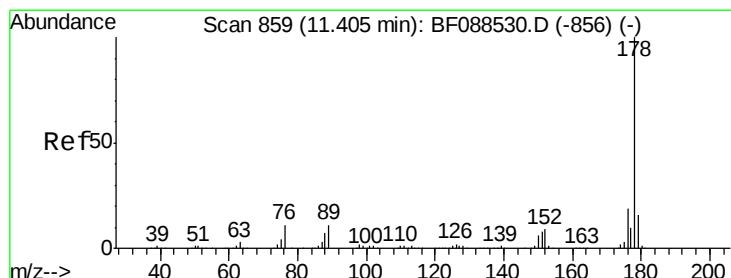
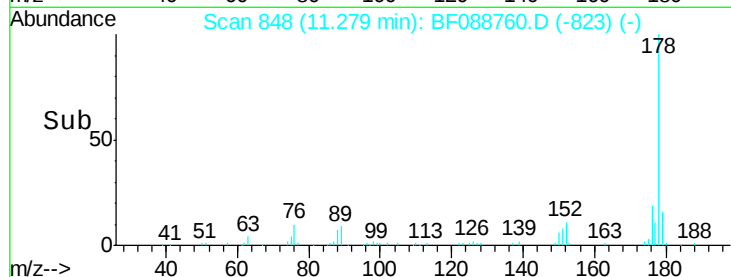
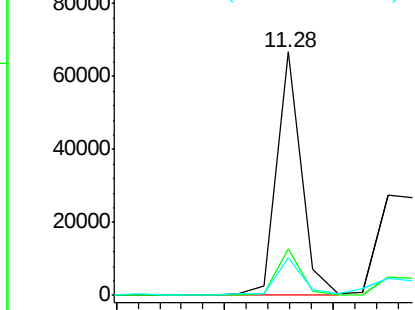
#70
Phenanthrene
Concen: 3.70 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Instrument :
BNA_F
ClientSampleId :
C2.1-04

Tgt Ion:178 Resp: 53197
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.7 13.0 19.4

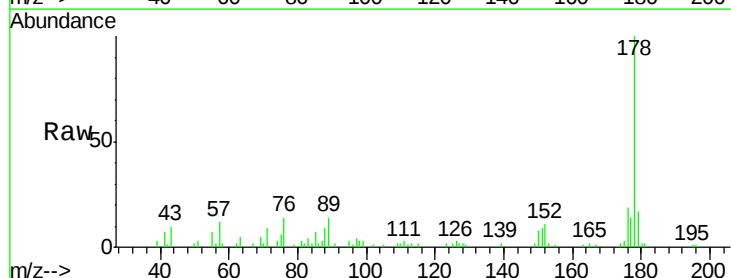


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

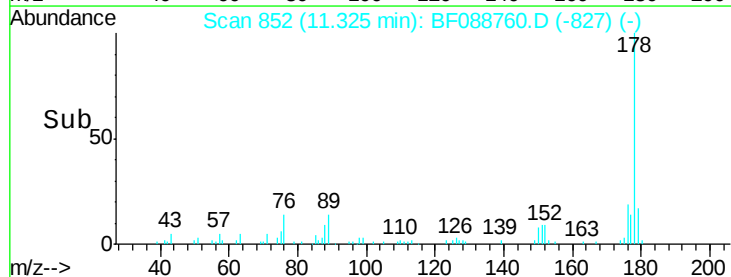
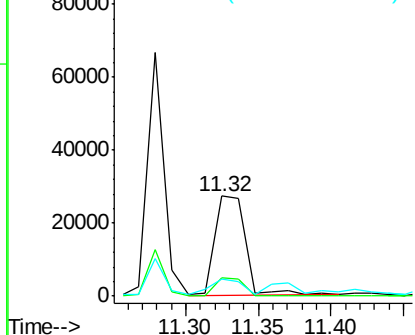


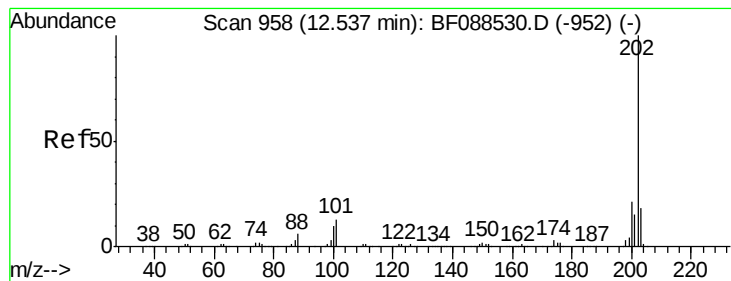
#71
Anthracene
Concen: 2.75 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:178 Resp: 39290
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 17.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.45 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

Instrument :

BNA_F

ClientSampleID :

C2.1-04

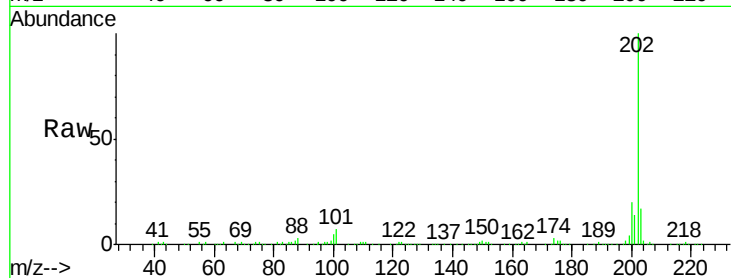
Tgt Ion: 202 Resp: 225040

Ion Ratio Lower Upper

202 100

101 7.4 0.0 33.1

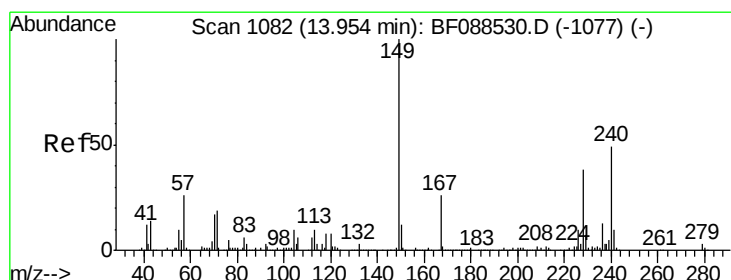
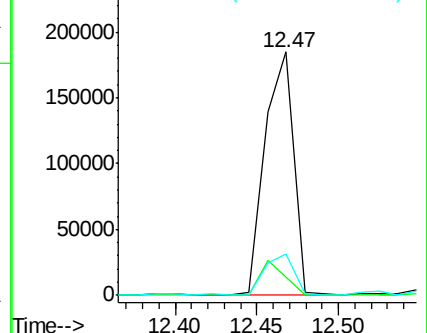
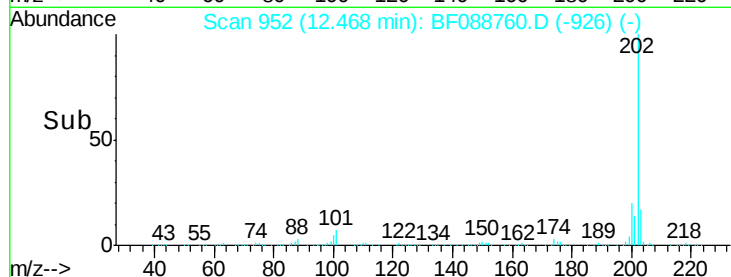
203 16.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1076

Delta R.T. -0.00 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

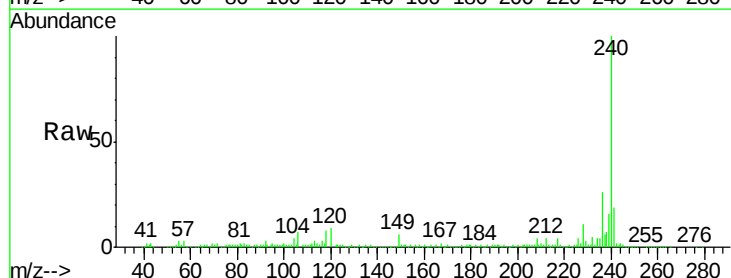
Tgt Ion: 240 Resp: 189404

Ion Ratio Lower Upper

240 100

120 9.4 6.8 10.2

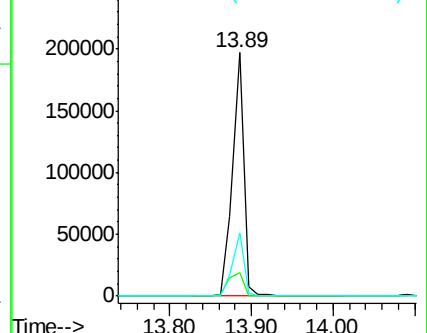
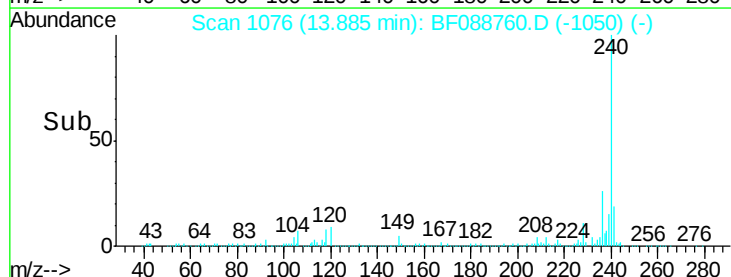
236 25.9 20.2 30.2

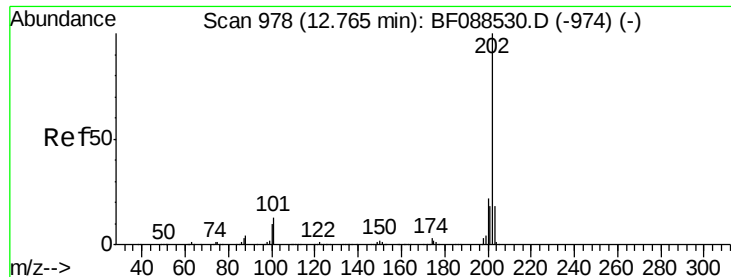


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.62 ng

RT: 12.68 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

Instrument :

BNA_F

ClientSampled :

C2.1-04

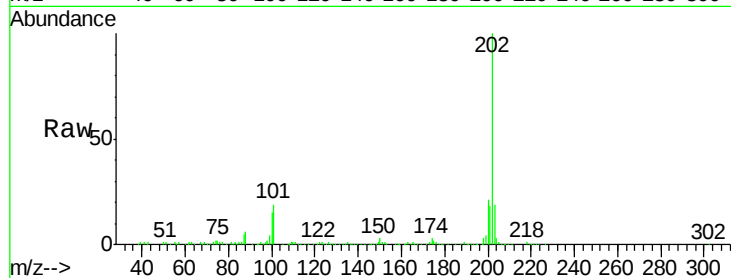
Tgt Ion:202 Resp: 218750

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

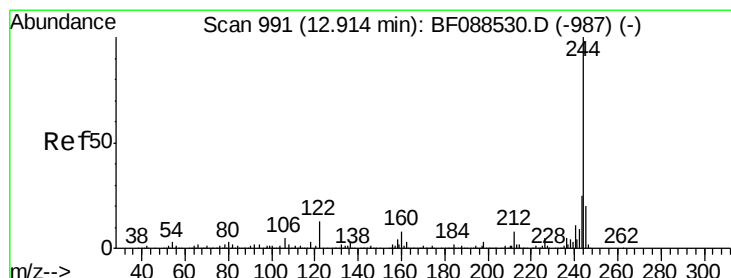
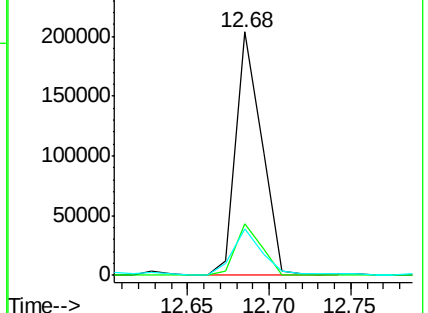
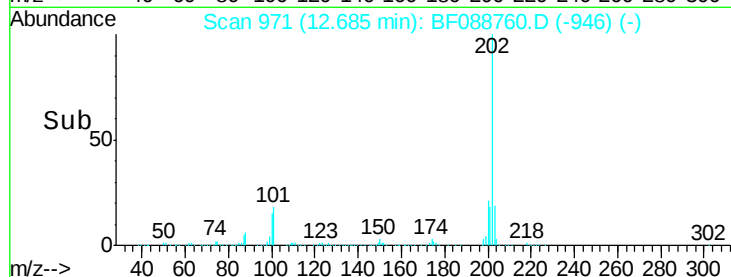
203 19.1 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 63.96 ng

RT: 12.85 min Scan# 985

Delta R.T. -0.00 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

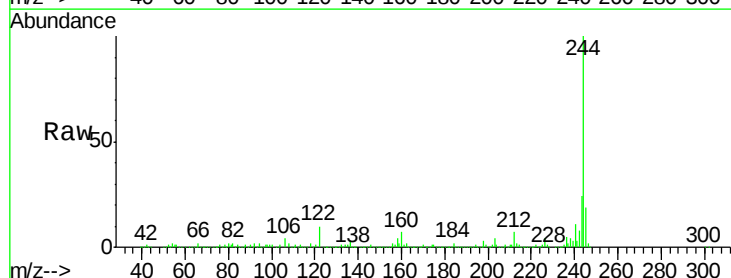
Tgt Ion:244 Resp: 543907

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

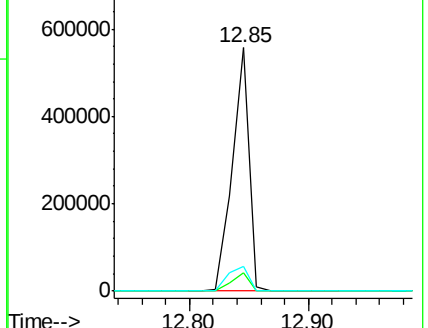
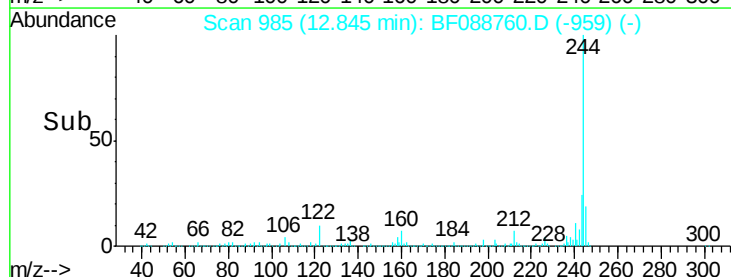
122 10.1 11.2 16.8#

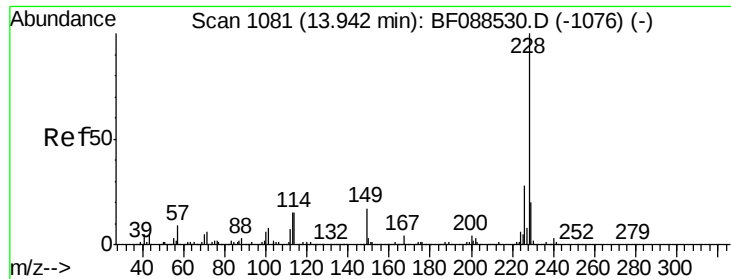


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.51 ng

RT: 13.91 min Scan# 1078

Delta R.T. 0.03 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

Instrument :

BNA_F

ClientSampleId :

C2.1-04

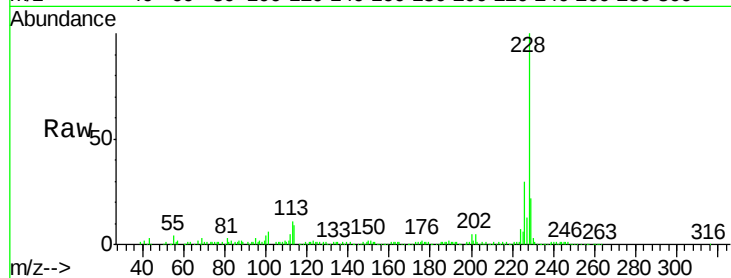
Tgt Ion:228 Resp: 128178

Ion Ratio Lower Upper

228 100

226 30.2 22.3 33.5

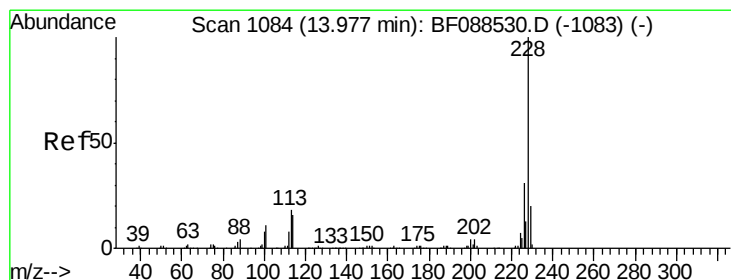
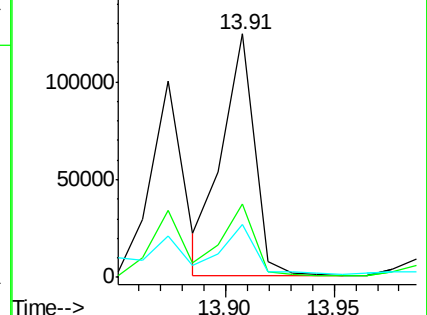
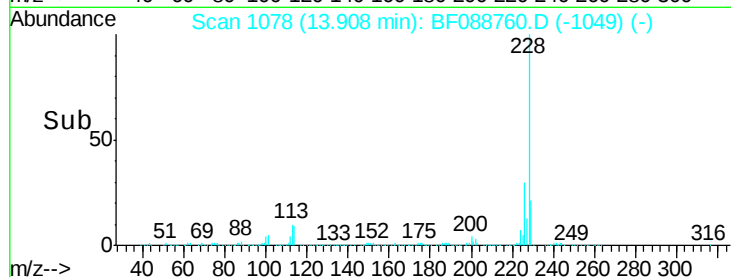
229 21.7 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 10.61 ng

RT: 13.91 min Scan# 1078

Delta R.T. -0.00 min

Lab File: BF088760.D

Acq: 7 Jul 2016 3:49

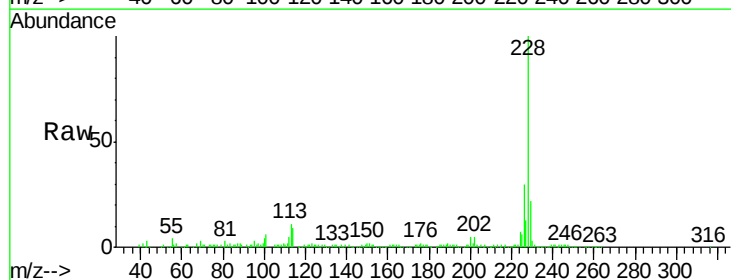
Tgt Ion:228 Resp: 128040

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.2

229 21.7 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

