

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070716\
 Data File : BF088803.D
 Acq On : 8 Jul 2016 2:59
 Operator : UM/SJ
 Sample : H3876-12 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-B-LOCATION-6-15-20FT

Quant Time: Jul 08 03:55:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 01:56:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	83661	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	295188	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	127964	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	197242	20.00	ng	0.00
75) Chrysene-d12	13.89	240	170424	20.00	ng	0.00
86) Perylene-d12	15.27	264	125359	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	242090	43.37	ng	0.00
7) Phenol-d6	6.38	99	296166	41.06	ng	-0.01
23) Nitrobenzene-d5	7.30	82	185713	32.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	47780	40.21	ng	-0.01
44) 2-Fluorobiphenyl	9.11	172	298774	36.88	ng	0.00
78) Terphenyl-d14	12.83	244	177951	23.26	ng	-0.01

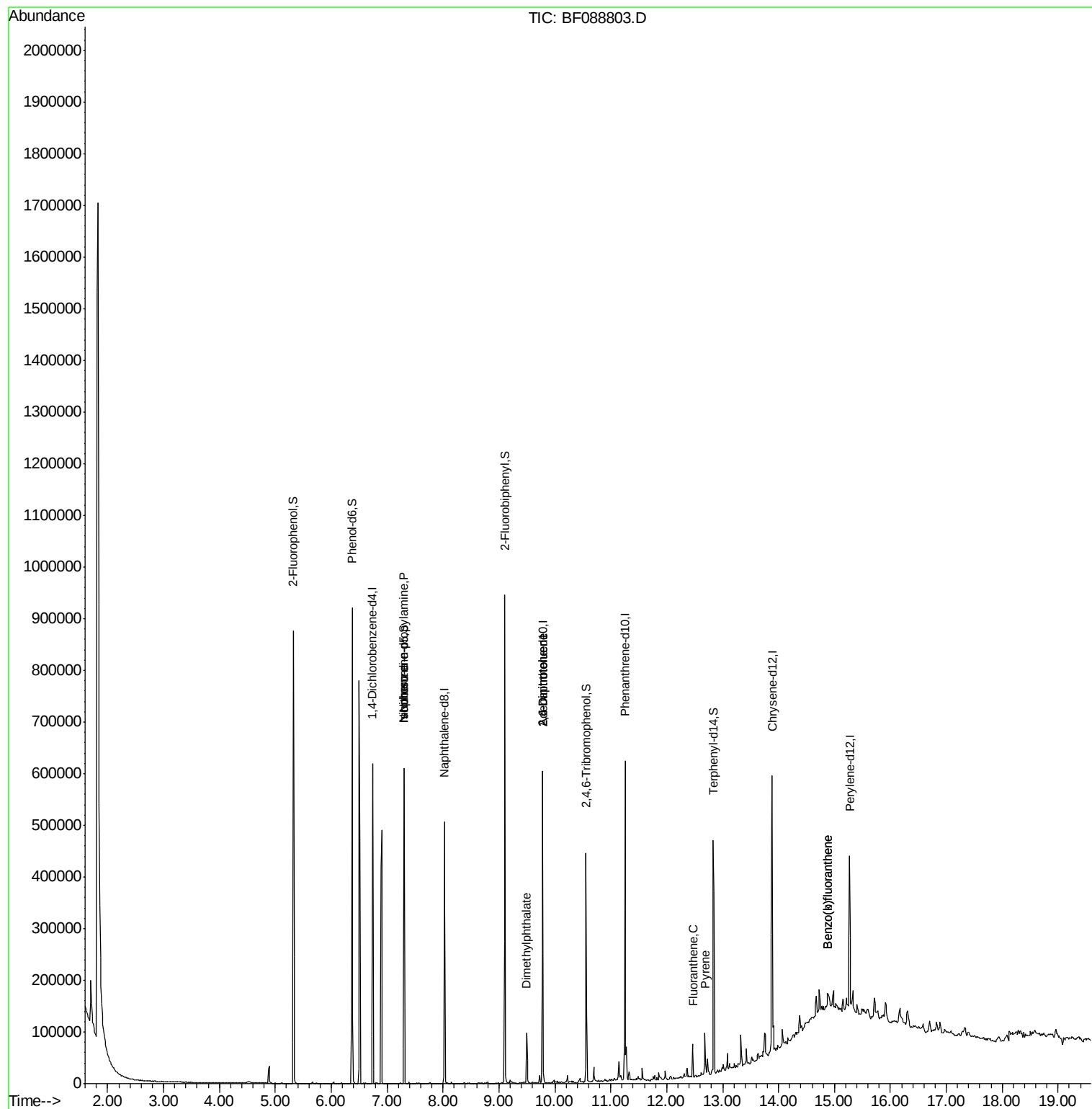
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	24646	5.09	ng	# 74
25) Isophorone	7.30	82	169195	16.22	ng	# 65
49) Dimethylphthalate	9.50	163	43159	4.73	ng	99
50) 2,6-Dinitrotoluene	9.78	165	15852	7.85	ng	# 39
56) 2,4-Dinitrotoluene	9.78	165	15852	6.00	ng	# 37
74) Fluoranthene	12.47	202	32690	2.99	ng	93
77) Pyrene	12.69	202	30986	2.14	ng	99
87) Benzo(b)fluoranthene	14.88	252	19541	2.48	ng	# 82
88) Benzo(k)fluoranthene	14.88	252	19541	2.85	ng	# 86

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

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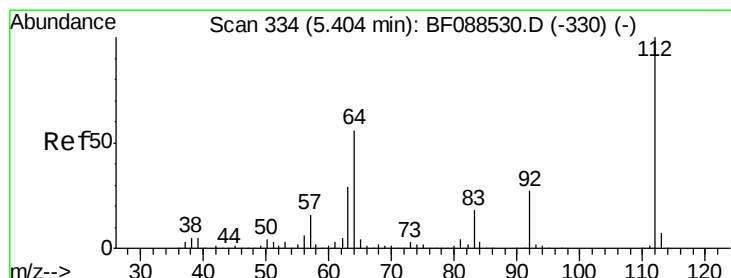
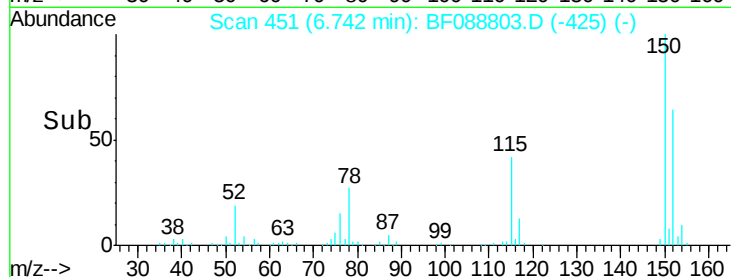
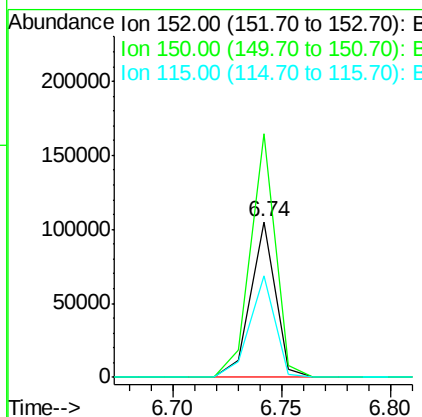
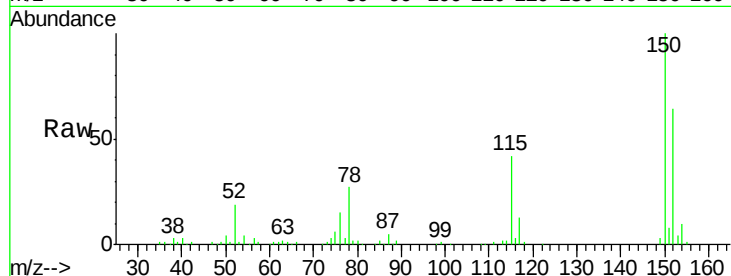




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.74 min Scan# 451
 Delta R.T. 0.00 min
 Lab File: BF088803.D
 Acq: 8 Jul 2016 2:59

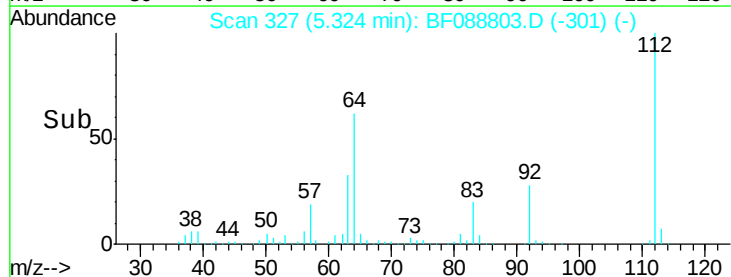
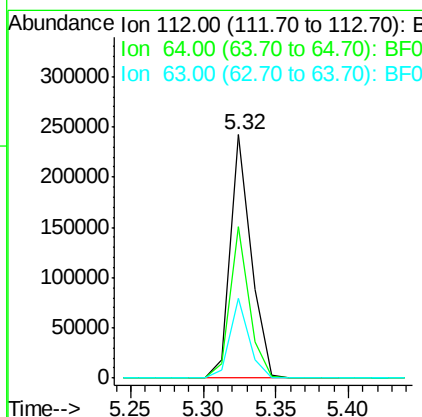
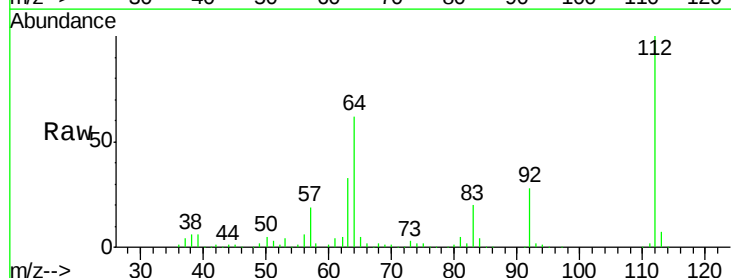
Instrument :
 BNA_F
 ClientSampleId :
 6-B-LOCATION-6-15-20FT

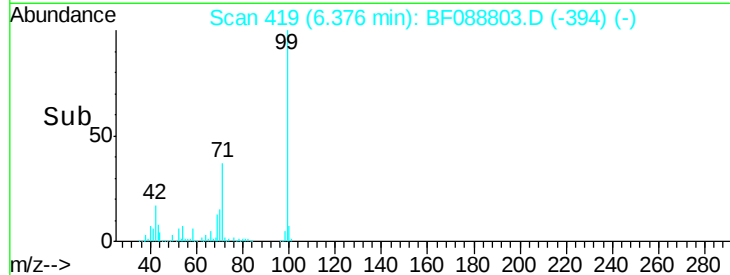
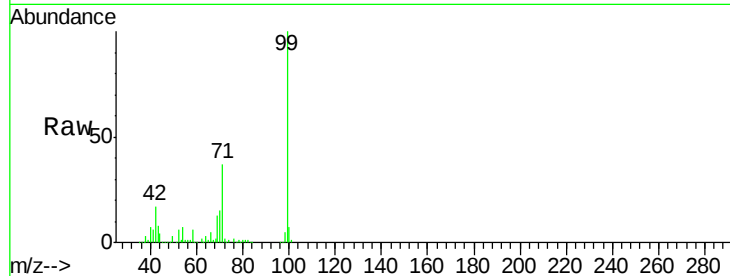
Tgt Ion:152 Resp: 83661
 Ion Ratio Lower Upper
 152 100
 150 156.6 123.8 185.6
 115 65.6 39.6 59.4#



#5
 2-Fluorophenol
 Concen: 43.37 ng
 RT: 5.32 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: BF088803.D
 Acq: 8 Jul 2016 2:59

Tgt Ion:112 Resp: 242090
 Ion Ratio Lower Upper
 112 100
 64 62.3 42.2 63.2
 63 32.9 21.8 32.8#





#7

Phenol-d6

Concen: 41.06 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

Instrument :

BNA_F

ClientSampleId :

6-B-LOCATION-6-15-20FT

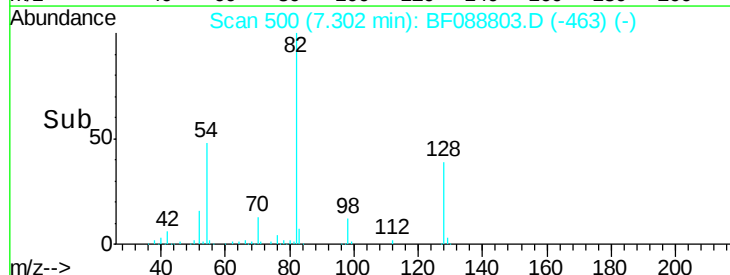
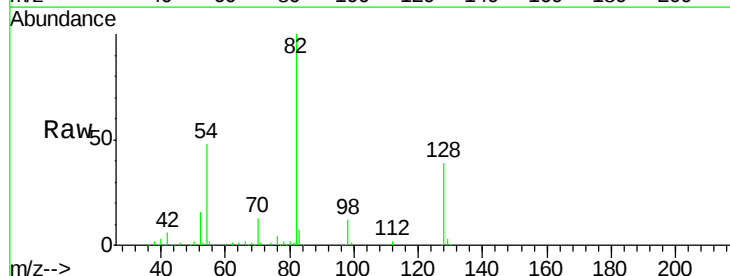
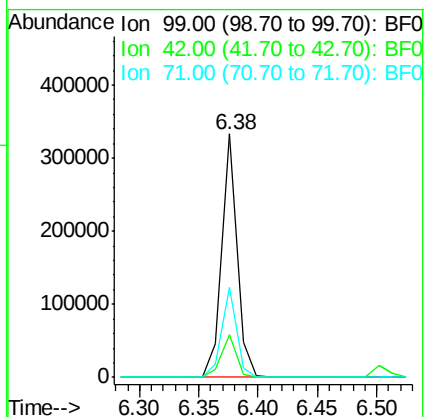
Tgt Ion: 99 Resp: 296166

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

71 37.1 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 5.09 ng

RT: 7.30 min Scan# 500

Delta R.T. 0.13 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

Tgt Ion: 70 Resp: 24646

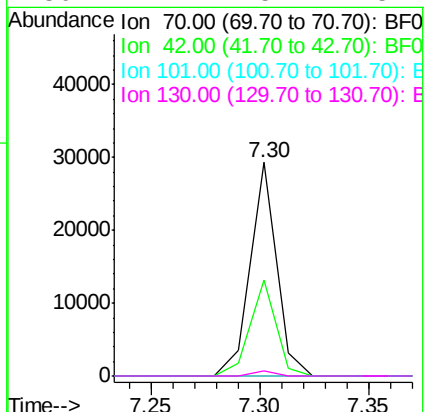
Ion Ratio Lower Upper

70 100

42 44.8 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

Instrument :

BNA_F

ClientSampleId :

6-B-LOCATION-6-15-20FT

Tgt Ion: 136 Resp: 295188

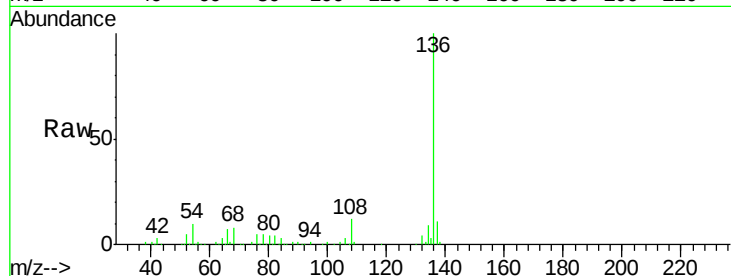
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 9.9 6.6 10.0

68 7.7 5.1 7.7

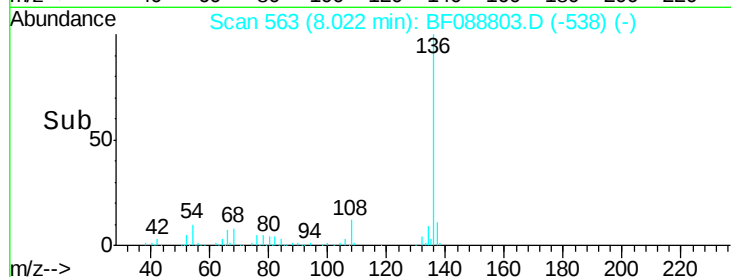


Abundance Ion 136.00 (135.70 to 136.70): E

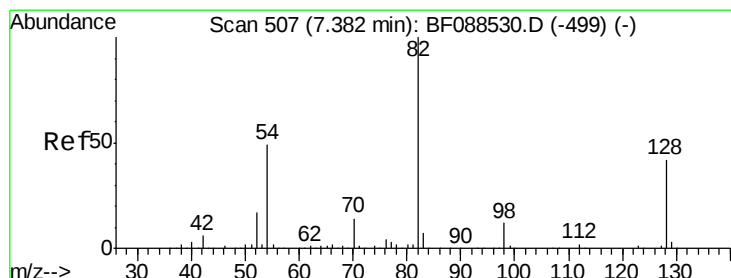
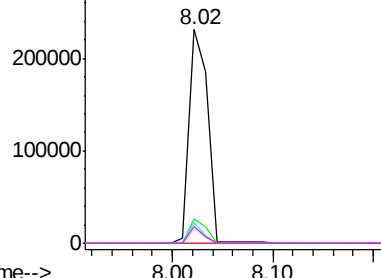
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 32.97 ng

RT: 7.30 min Scan# 500

Delta R.T. -0.01 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

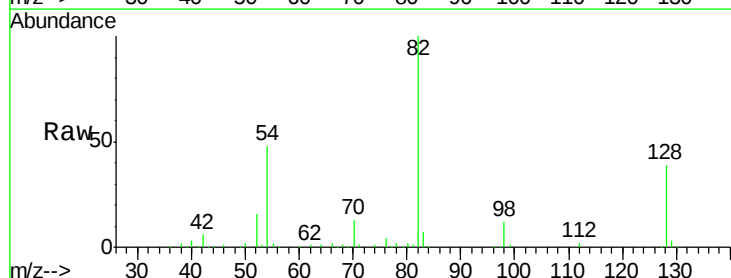
Tgt Ion: 82 Resp: 185713

Ion Ratio Lower Upper

82 100

128 39.2 35.9 53.9

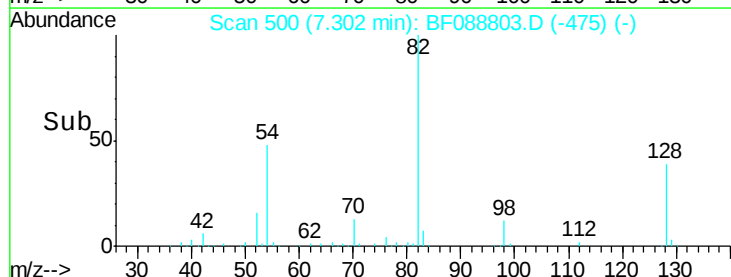
54 48.2 40.9 61.3



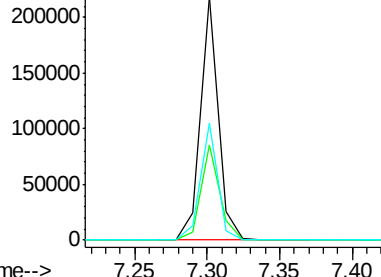
Abundance Ion 82.00 (81.70 to 82.70): BF0

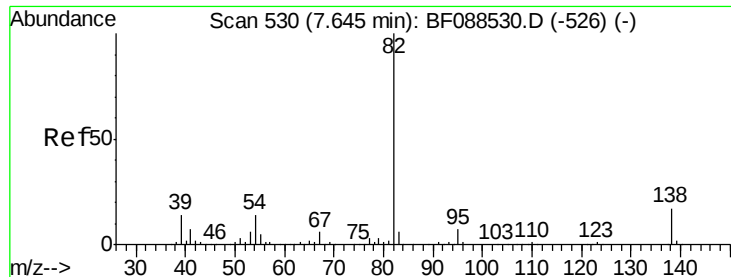
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 16.22 ng

RT: 7.30 min Scan# 500

Delta R.T. -0.27 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

Instrument :

BNA_F

ClientSampleId :

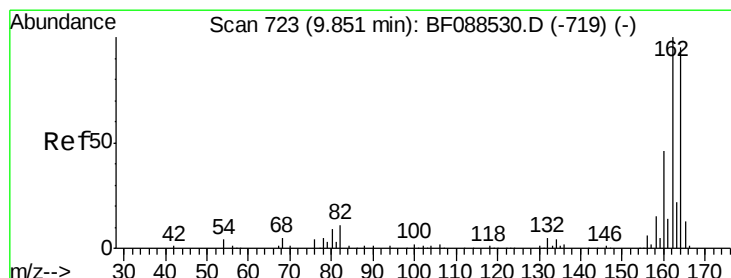
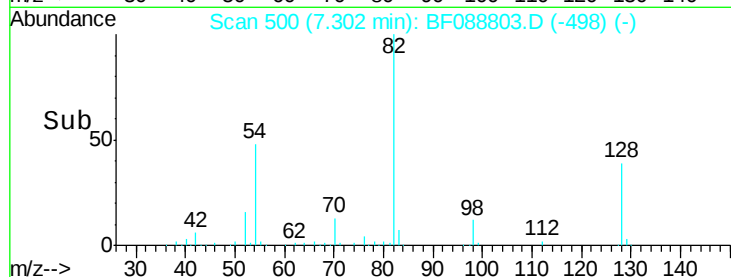
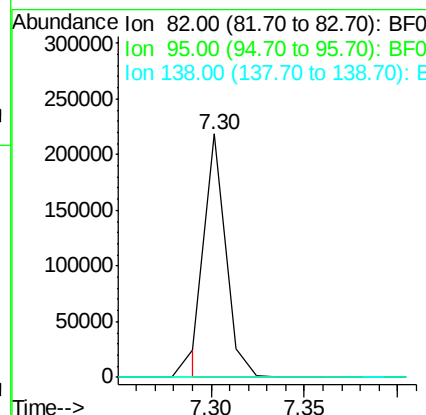
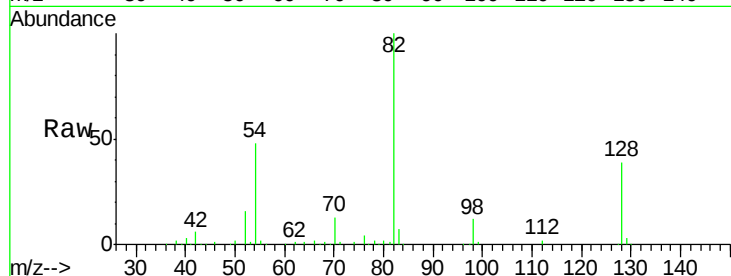
6-B-LOCATION-6-15-20FT

Tgt Ion: 82 Resp: 169195
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: BF088803.D

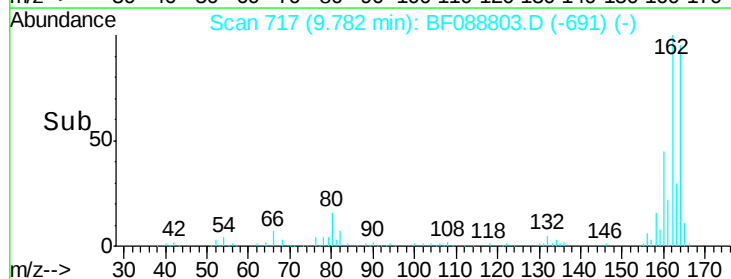
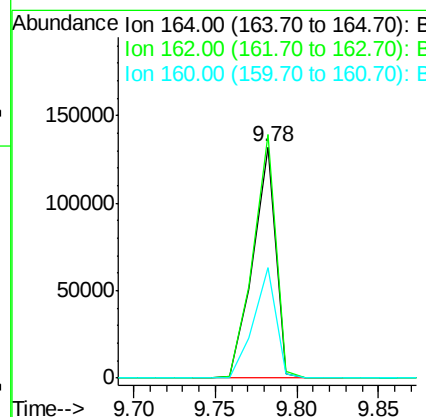
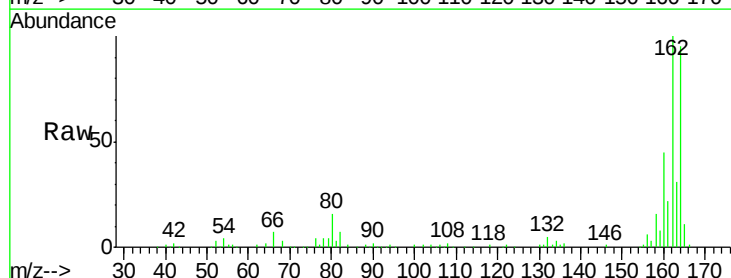
Acq: 8 Jul 2016 2:59

Tgt Ion: 164 Resp: 127964
Ion Ratio Lower Upper

164 100

162 105.3 85.4 128.2

160 47.9 39.5 59.3

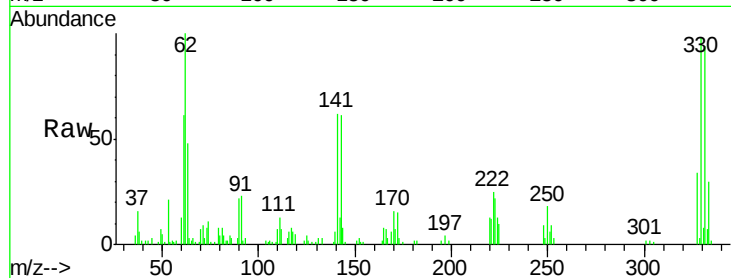




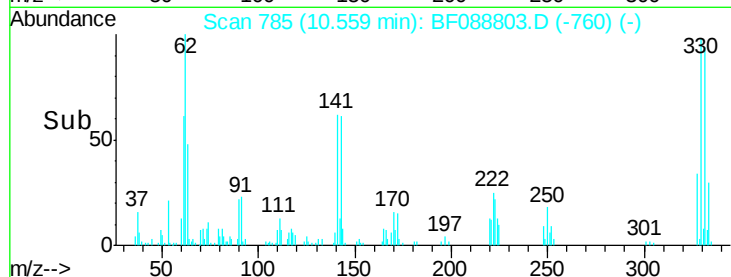
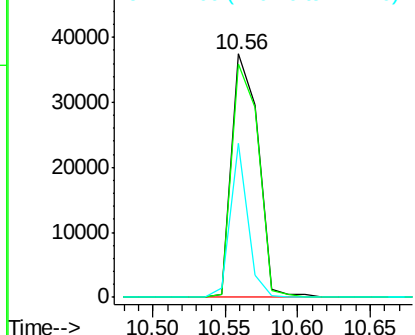
#41
 2,4,6-Tribromophenol
 Concen: 40.21 ng
 RT: 10.56 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF088803.D
 Acq: 8 Jul 2016 2:59

Instrument :
 BNA_F
 ClientSampleId :
 6-B-LOCATION-6-15-20FT

Tgt Ion:330 Resp: 47780
 Ion Ratio Lower Upper
 330 100
 332 96.4 0.0 0.0#
 141 41.5 0.0 0.0#

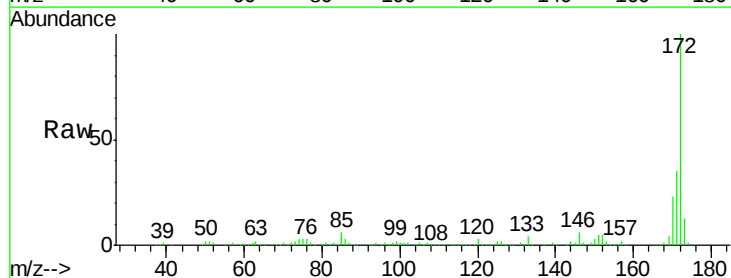


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

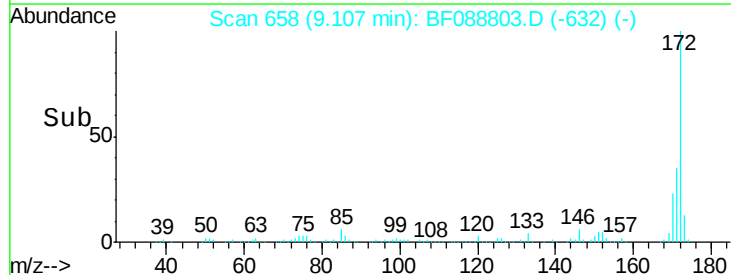
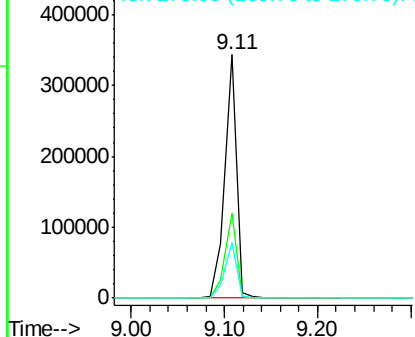


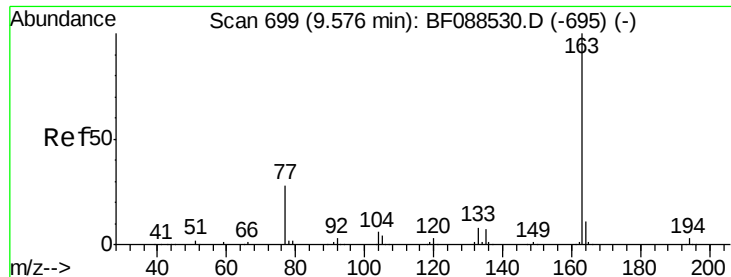
#44
 2-Fluorobiphenyl
 Concen: 36.88 ng
 RT: 9.11 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: BF088803.D
 Acq: 8 Jul 2016 2:59

Tgt Ion:172 Resp: 298774
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 43.0
 170 23.0 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

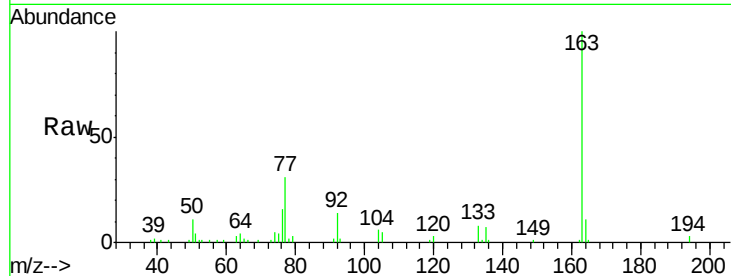




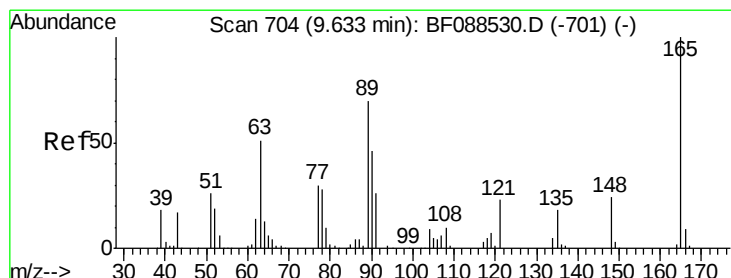
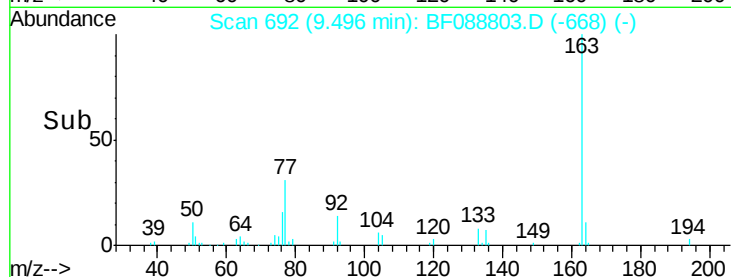
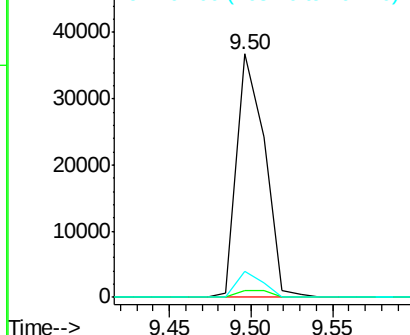
#49
Dimethylphthalate
Concen: 4.73 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.02 min
Lab File: BF088803.D
Acq: 8 Jul 2016 2:59

Instrument :
BNA_F
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6-B-LOCATION-6-15-20FT

Tgt Ion:163 Resp: 43159
Ion Ratio Lower Upper
163 100
194 2.9 2.8 4.2
164 10.8 8.3 12.5

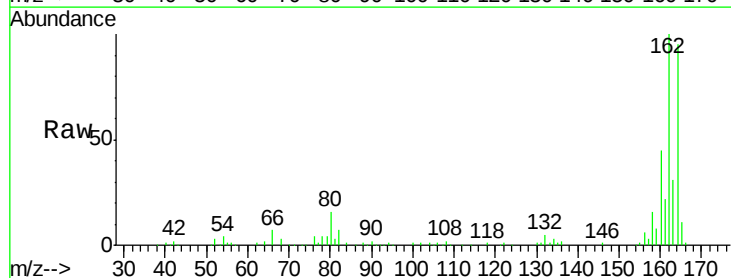


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

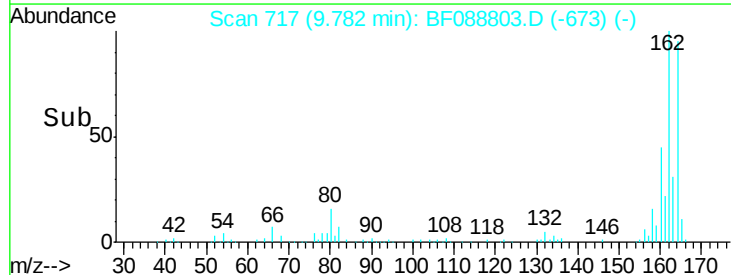
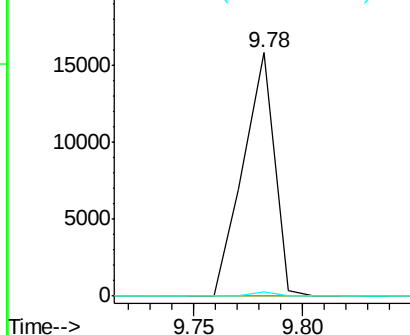


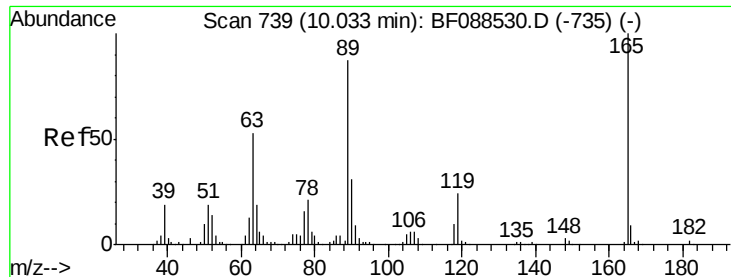
#50
2,6-Dinitrotoluene
Concen: 7.85 ng
RT: 9.78 min Scan# 717
Delta R.T. 0.21 min
Lab File: BF088803.D
Acq: 8 Jul 2016 2:59

Tgt Ion:165 Resp: 15852
Ion Ratio Lower Upper
165 100
63 0.0 28.1 42.1#
89 1.9 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: 6.00 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.19 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

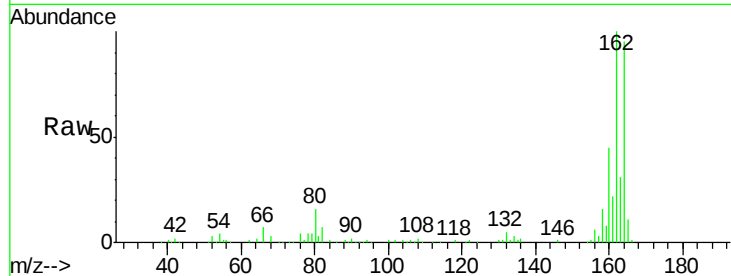
Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:	165	Resp:	15852
Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	1.9	41.1	61.7#
182	0.0	2.0	3.0#

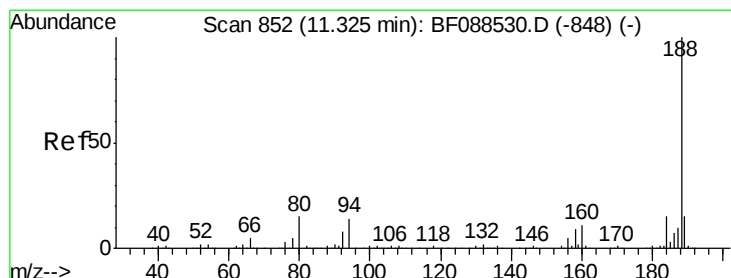
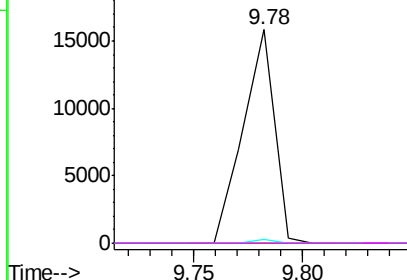
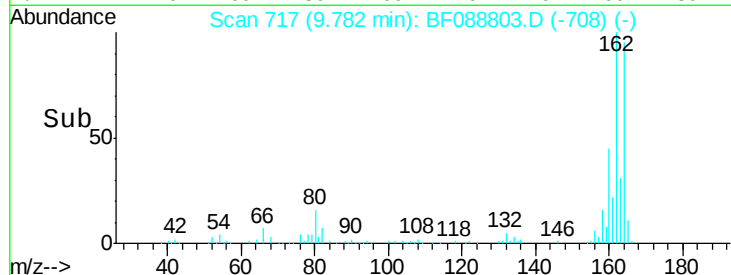


Abundance Ion 165.00 (164.70 to 165.70): E

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

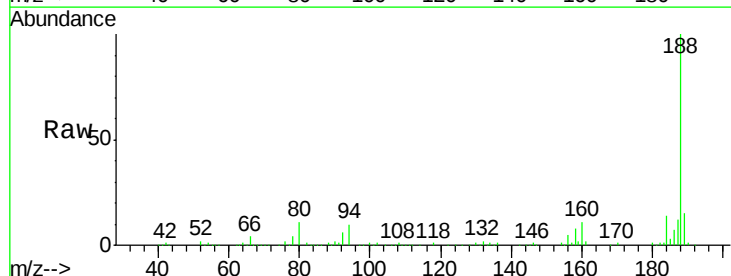
RT: 11.26 min Scan# 846

Delta R.T. 0.00 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

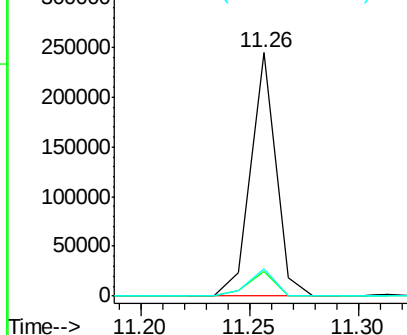
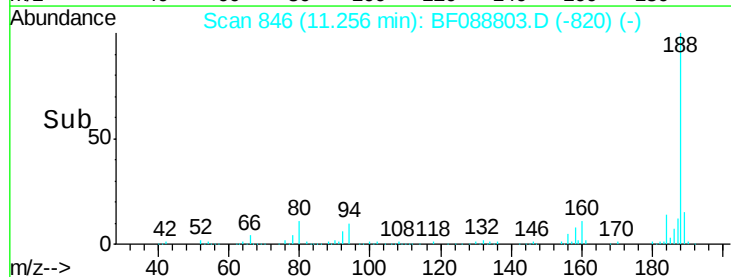
Tgt Ion:	188	Resp:	197242
Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.0	13.6
80	11.2	10.0	15.0

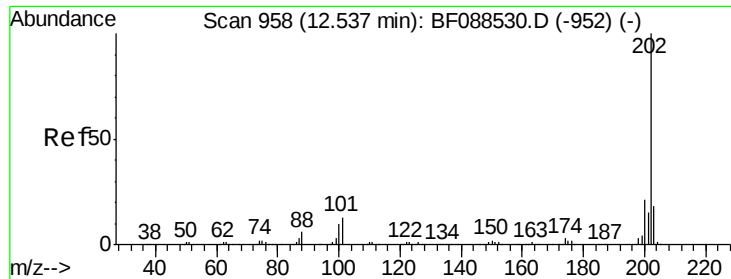


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.99 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

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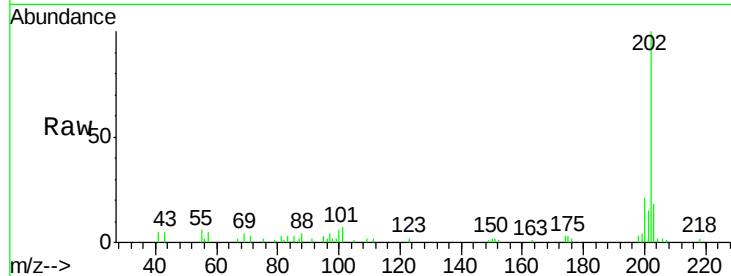
Tgt Ion:202 Resp: 32690

Ion Ratio Lower Upper

202 100

101 7.3 0.0 33.1

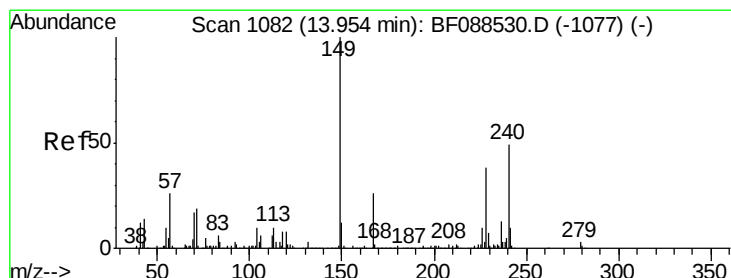
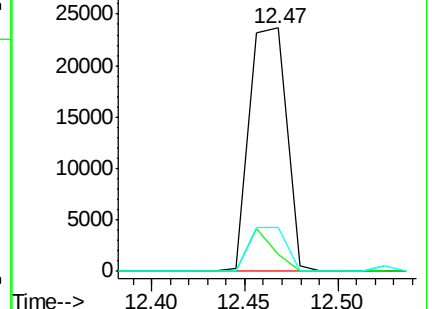
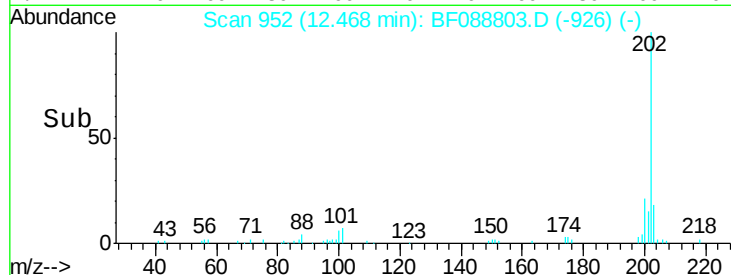
203 17.8 0.0 38.1



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: BF088803.D

Acq: 8 Jul 2016 2:59

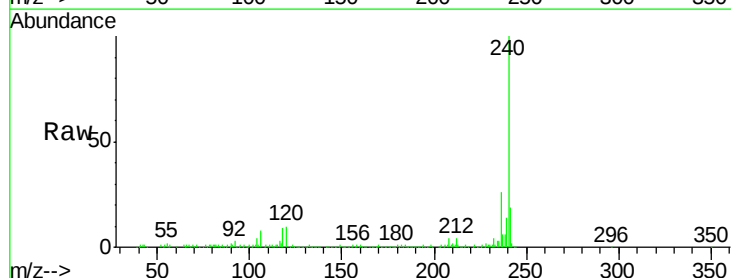
Tgt Ion:240 Resp: 170424

Ion Ratio Lower Upper

240 100

120 10.2 6.8 10.2#

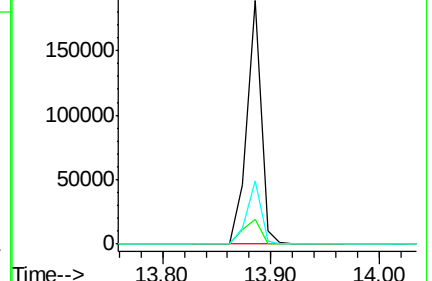
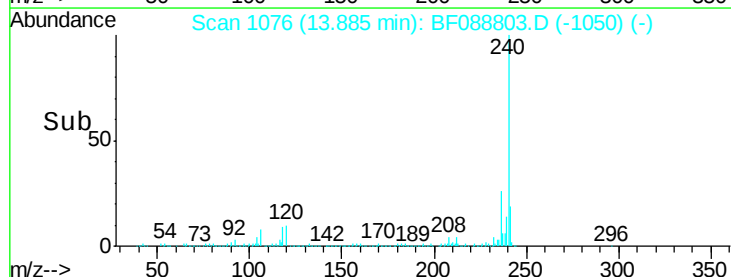
236 26.1 20.2 30.2

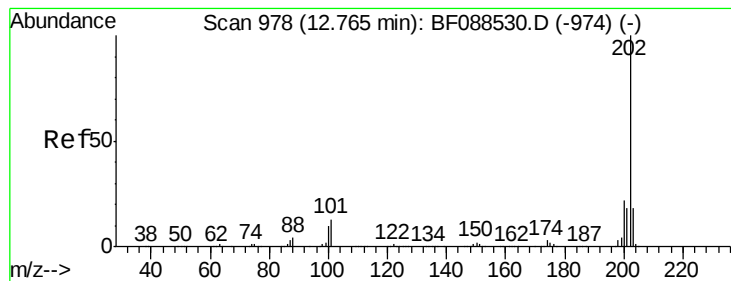


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.14 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

Instrument :

BNA_F

ClientSampleId :

6-B-LOCATION-6-15-20FT

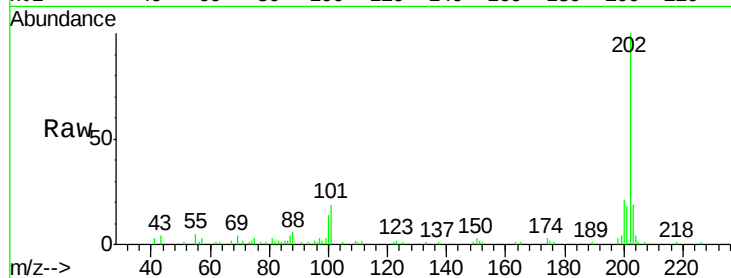
Tgt Ion: 202 Resp: 30986

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

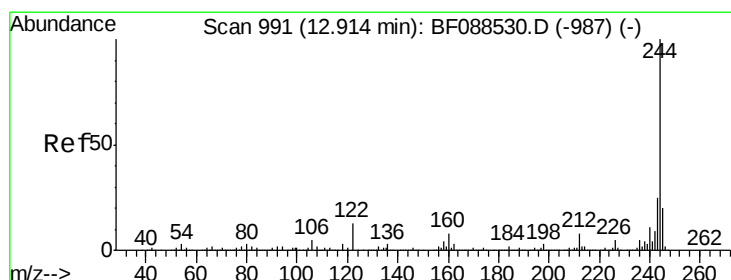
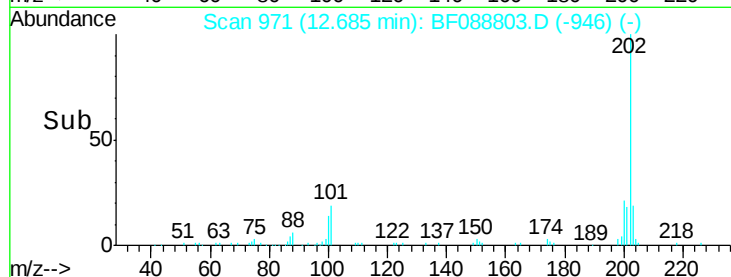
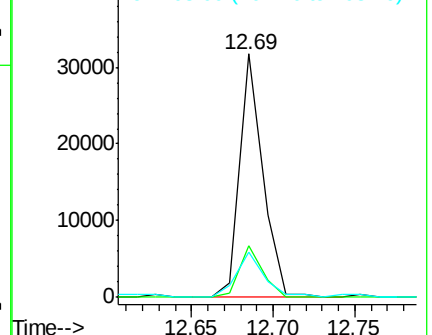
203 18.7 14.5 21.7



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: 23.26 ng

RT: 12.83 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

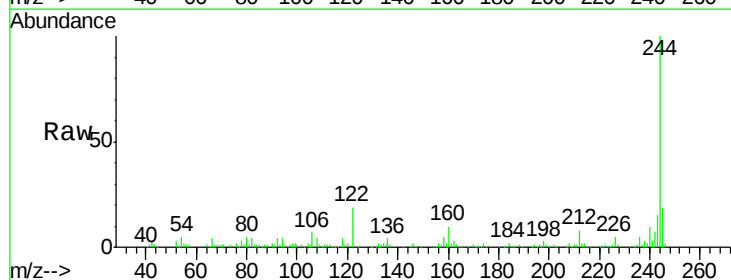
Tgt Ion: 244 Resp: 177951

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

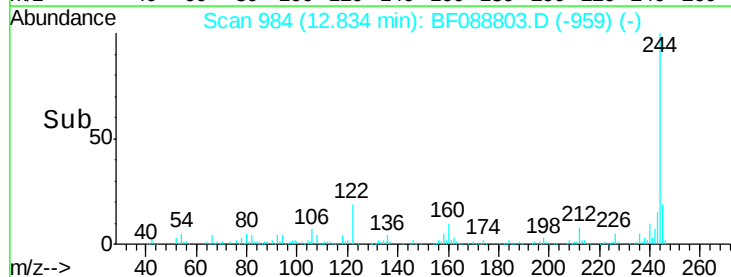
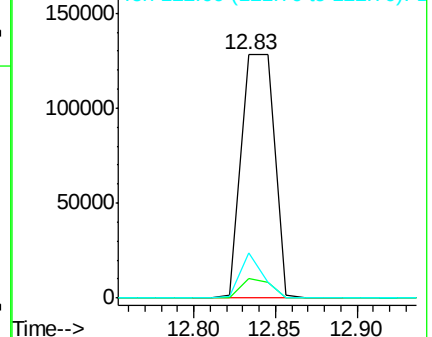
122 18.8 11.2 16.8#

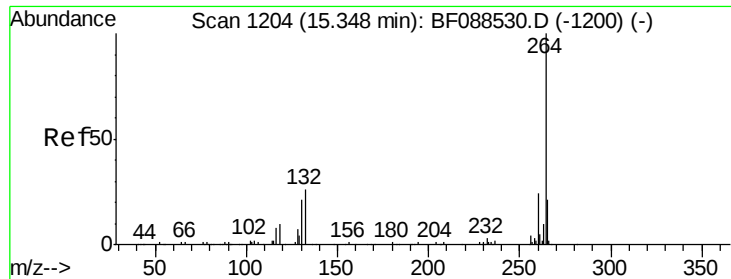


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



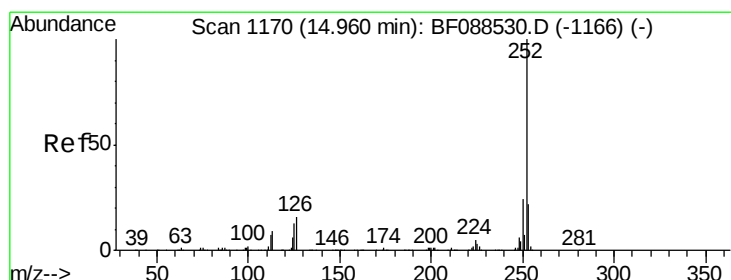
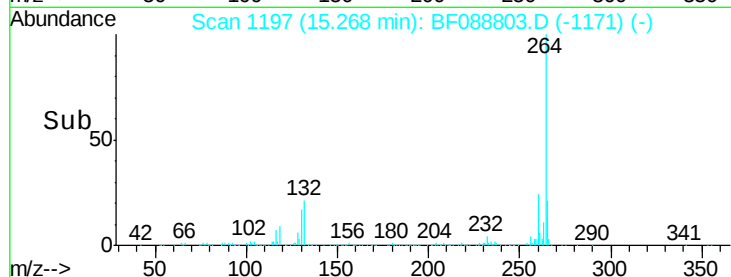
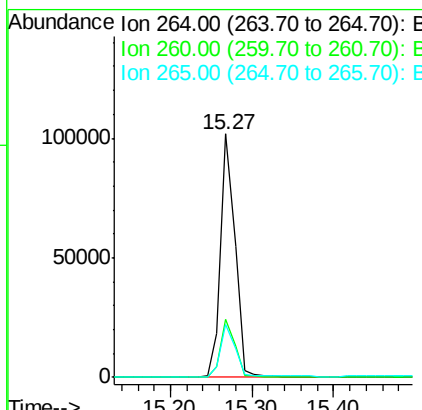
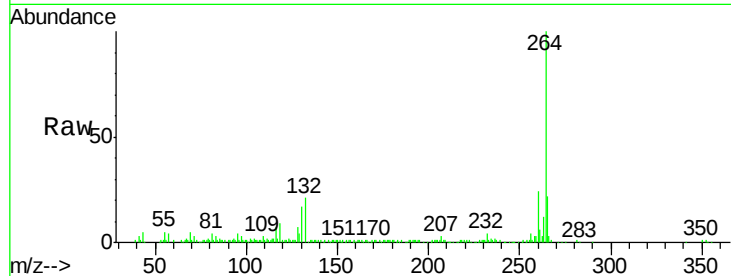


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BF088803.D
Acq: 8 Jul 2016 2:59

Instrument :
BNA_F
ClientSampleId :
6-B-LOCATION-6-15-20FT

Tgt Ion: 264 Resp: 125359

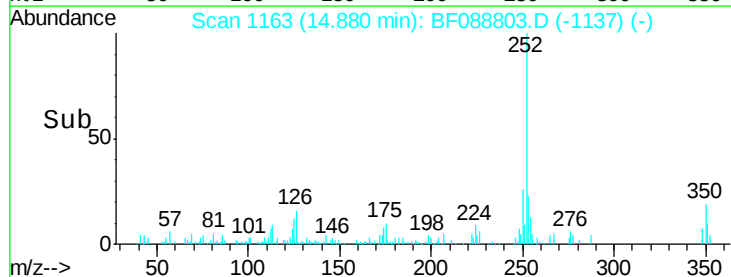
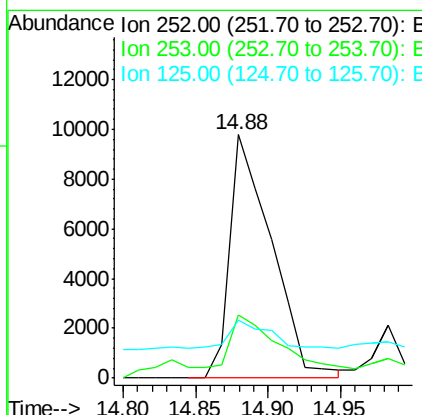
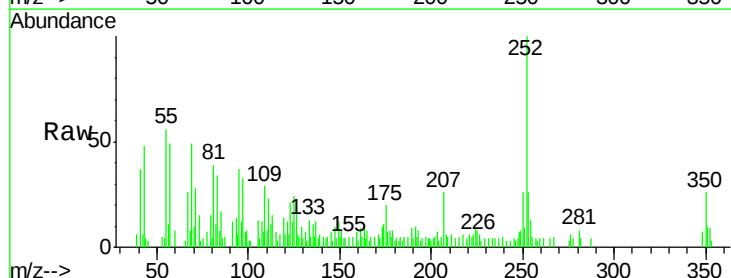
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.7	16.9	25.3

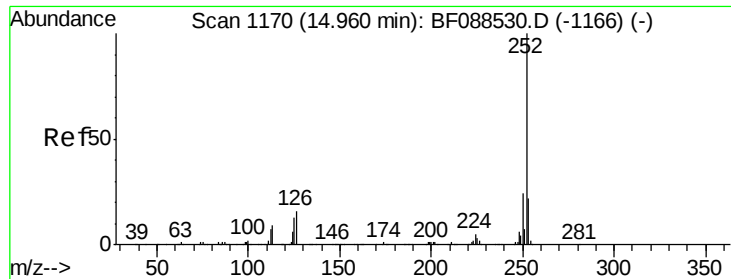


#87
Benzo(b)fluoranthene
Concen: 2.48 ng
RT: 14.88 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BF088803.D
Acq: 8 Jul 2016 2:59

Tgt Ion: 252 Resp: 19541

Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.4	26.2
125	23.8	7.1	10.7





#88

Benzo(k)fluoranthene

Concen: 2.85 ng

RT: 14.88 min Scan# 1163

Delta R.T. -0.03 min

Lab File: BF088803.D

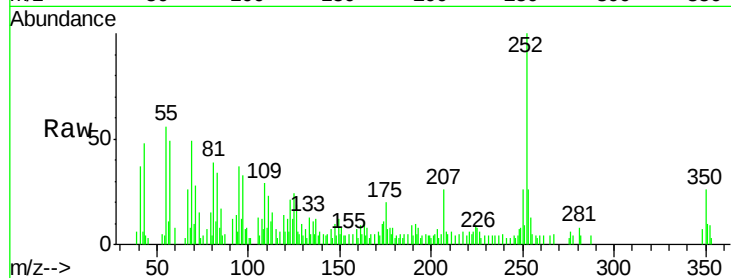
Acq: 8 Jul 2016 2:59

Instrument :

BNA_F

ClientSampleId :

6-B-LOCATION-6-15-20FT



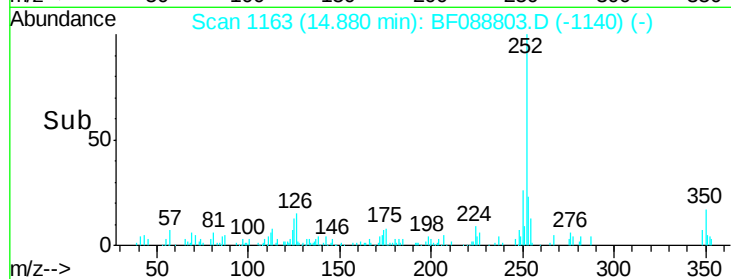
Tgt Ion: 252 Resp: 19541

Ion Ratio Lower Upper

252 100

253 26.0 18.0 27.0

125 23.8 11.2 16.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

