

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
 Data File : BF088906.D
 Acq On : 11 Jul 2016 18:27
 Operator : UM/SJ
 Sample : H3915-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P6-B2-0-11-C

Quant Time: Jul 12 02:03:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

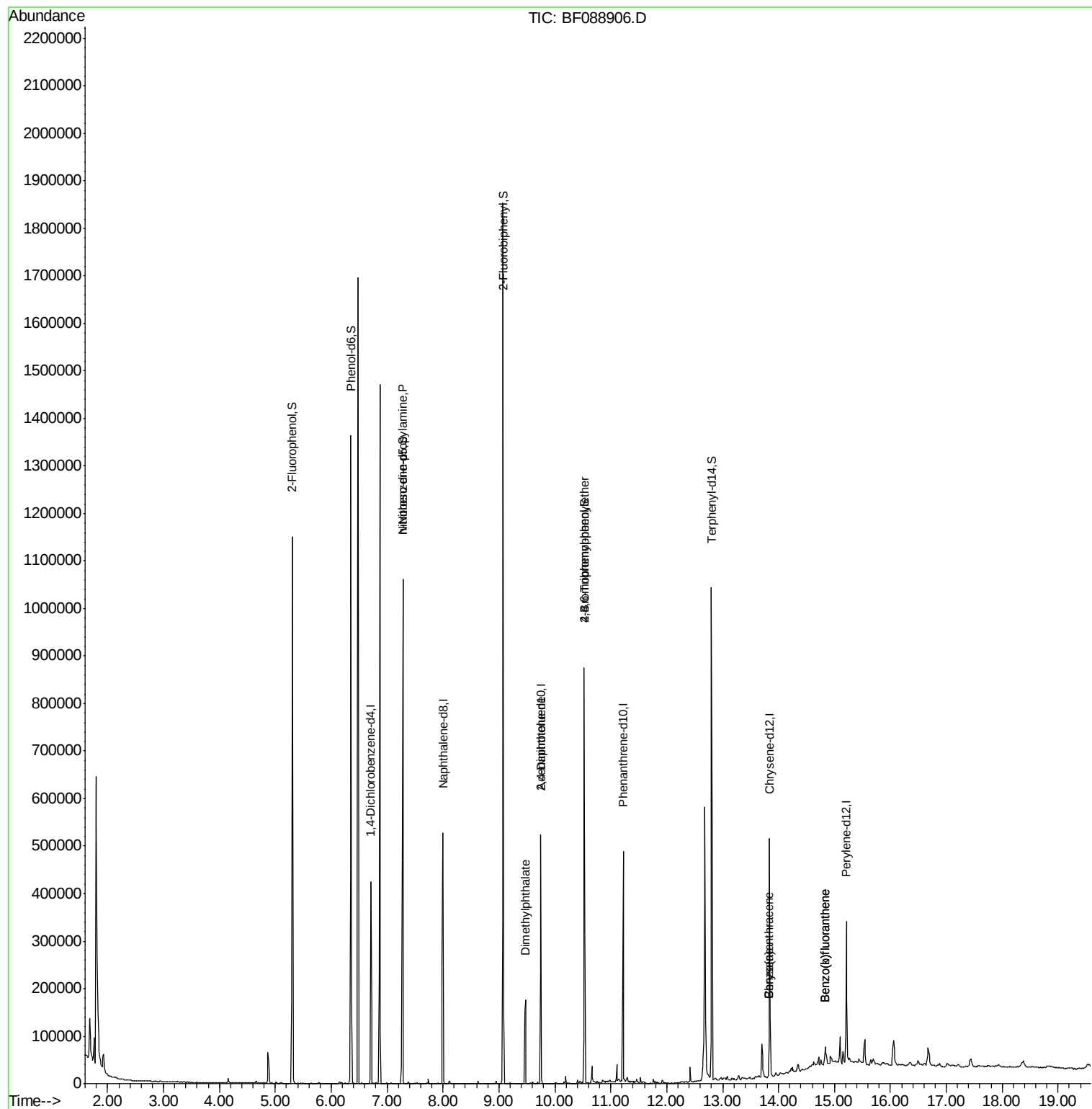
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	66863	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	271524	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	112972	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	190605	20.00	ng	0.00
75) Chrysene-d12	13.84	240	142349	20.00	ng	-0.01
86) Perylene-d12	15.21	264	122544	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	454772	101.94	ng	0.01
7) Phenol-d6	6.35	99	499459	86.64	ng	0.00
23) Nitrobenzene-d5	7.28	82	386467	74.59	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	111350	106.14	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	531411	74.30	ng	0.00
78) Terphenyl-d14	12.80	244	381974	59.77	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	52312	13.51	ng	# 69
49) Dimethylphthalate	9.47	163	107916	13.41	ng	98
56) 2,4-Dinitrotoluene	9.75	165	14599	6.26	ng	# 36
66) 4-Bromophenyl-phenylether	10.52	248	7115	3.70	ng	# 1
80) Benzo(a)anthracene	13.83	228	24702	2.69	ng	94
82) Chrysene	13.83	228	24702	2.72	ng	98
87) Benzo(b)fluoranthene	14.83	252	23106	3.01	ng	# 91
88) Benzo(k)fluoranthene	14.83	252	23106	3.45	ng	# 96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF088906.D

Acq: 11 Jul 2016 18:27

Instrument :

BNA_F

ClientSampleId :

P6-B2-0-11-C

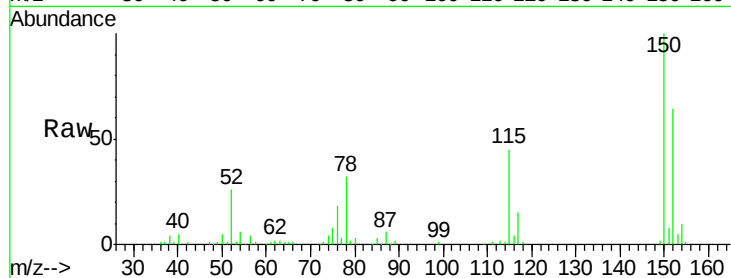
Tgt Ion:152 Resp: 66863

Ion Ratio Lower Upper

152 100

150 157.3 123.8 185.6

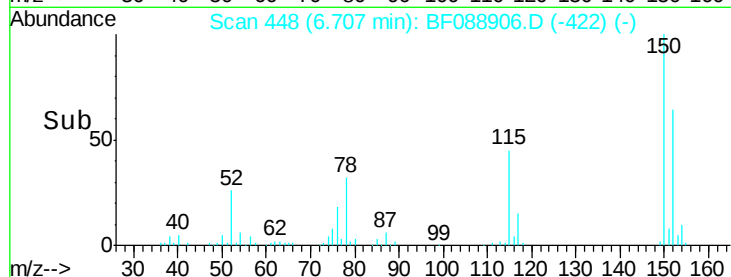
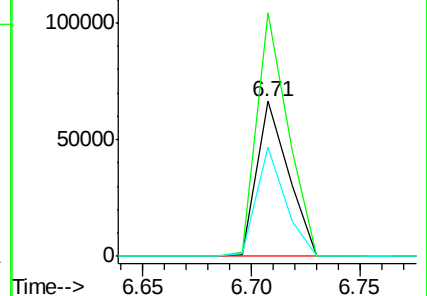
115 70.7 39.6 59.4#



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: 101.94 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088906.D

Acq: 11 Jul 2016 18:27

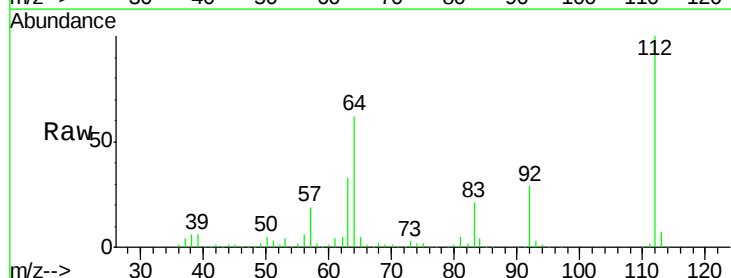
Tgt Ion:112 Resp: 454772

Ion Ratio Lower Upper

112 100

64 61.8 42.2 63.2

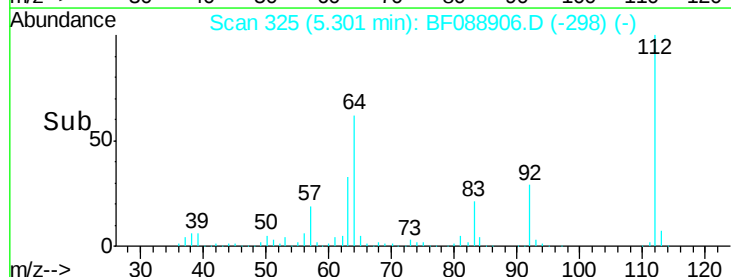
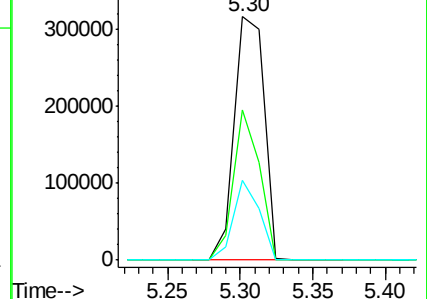
63 32.8 21.8 32.8#



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: 86.64 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088906.D

Acq: 11 Jul 2016 18:27

Instrument :

BNA_F

ClientSampleId :

P6-B2-0-11-C

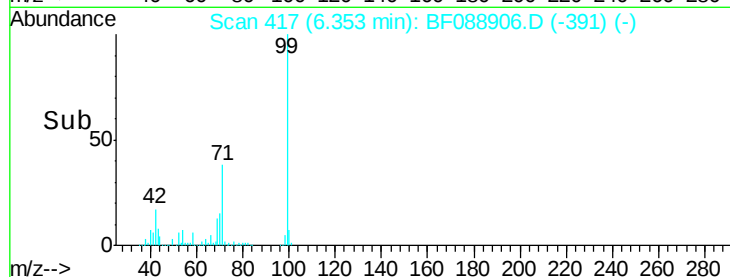
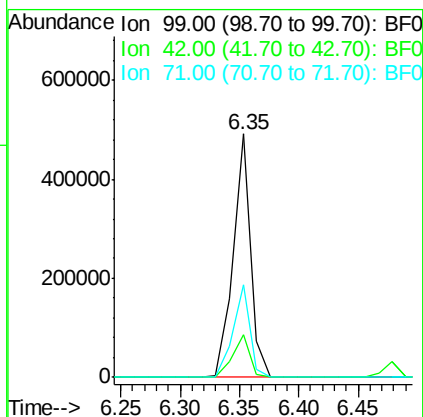
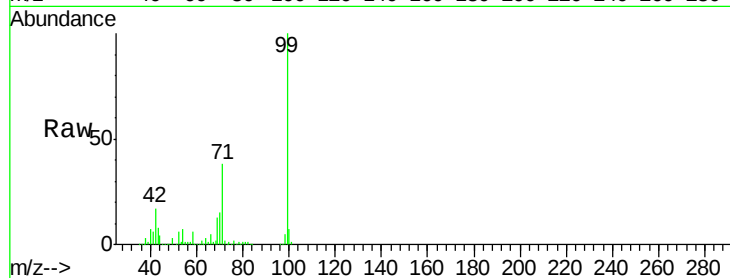
Tgt Ion: 99 Resp: 499459

Ion Ratio Lower Upper

99 100

42 17.4 12.2 18.2

71 38.2 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 13.51 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.14 min

Lab File: BF088906.D

Acq: 11 Jul 2016 18:27

Tgt Ion: 70 Resp: 52312

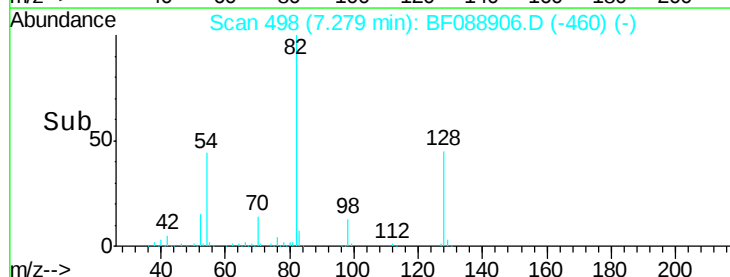
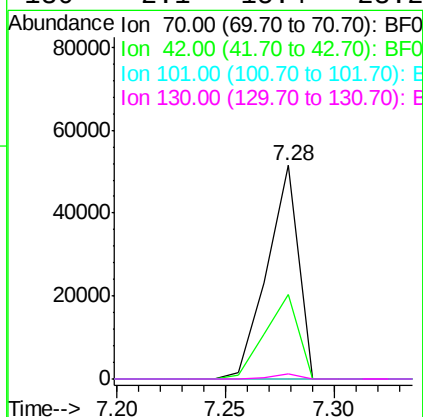
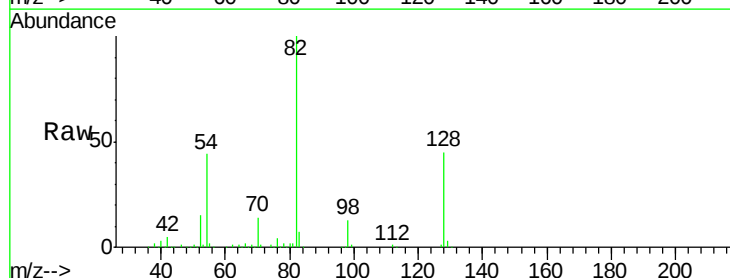
Ion Ratio Lower Upper

70 100

42 39.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF088906.D

Acq: 11 Jul 2016 18:27

Instrument :

BNA_F

ClientSampleId :

P6-B2-0-11-C

Tgt Ion:136 Resp: 271524

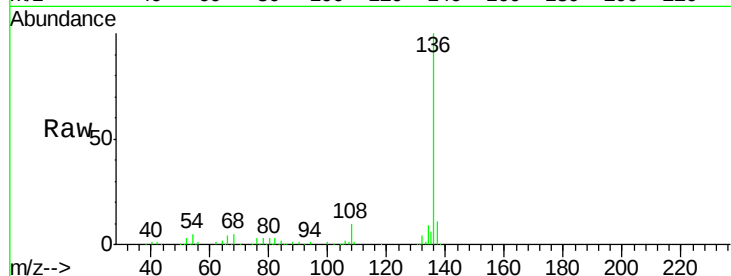
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.3 6.6 10.0#

68 4.5 5.1 7.7#

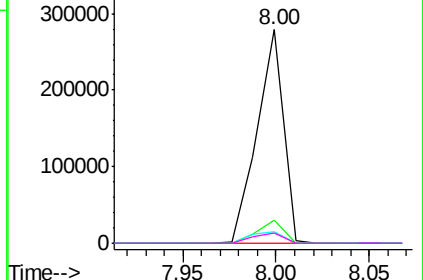
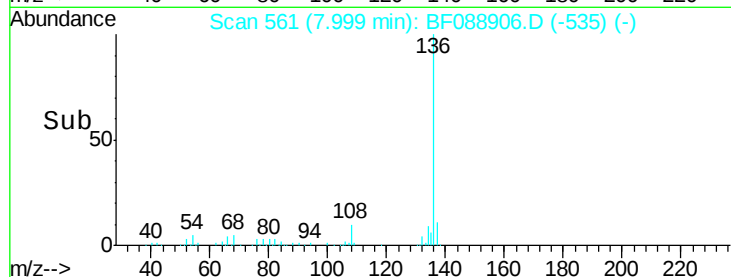


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.59 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF088906.D

Acq: 11 Jul 2016 18:27

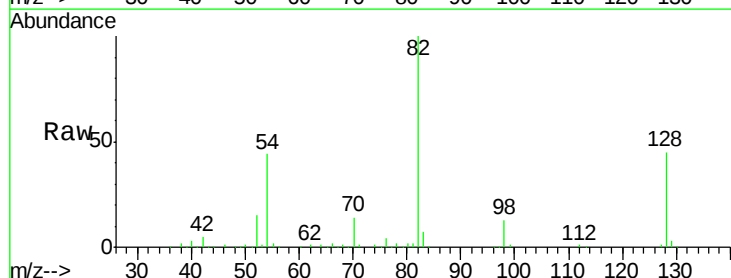
Tgt Ion: 82 Resp: 386467

Ion Ratio Lower Upper

82 100

128 45.4 35.9 53.9

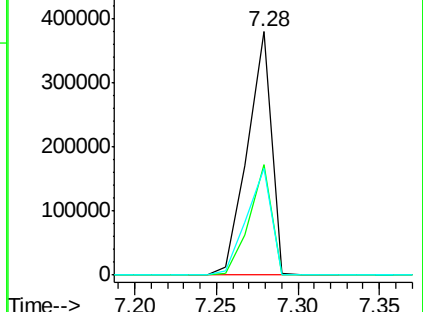
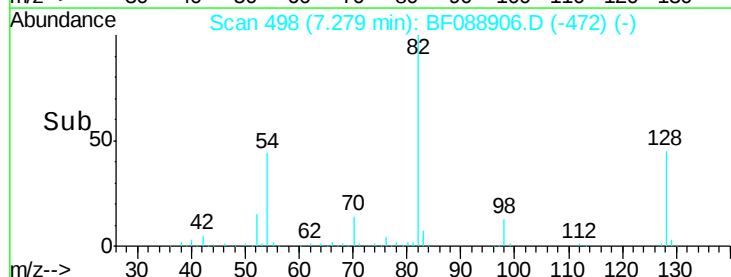
54 43.8 40.9 61.3

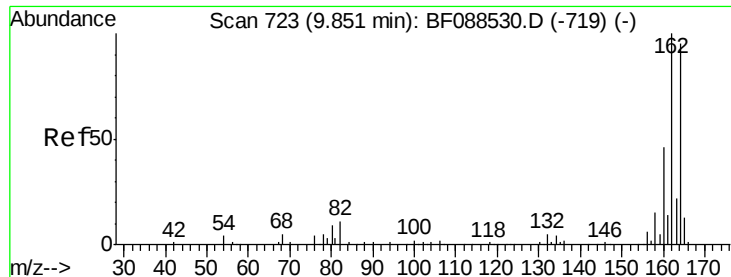


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.75 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF088906.D

Acq: 11 Jul 2016 18:27

Instrument :

BNA_F

ClientSampleId :

P6-B2-0-11-C

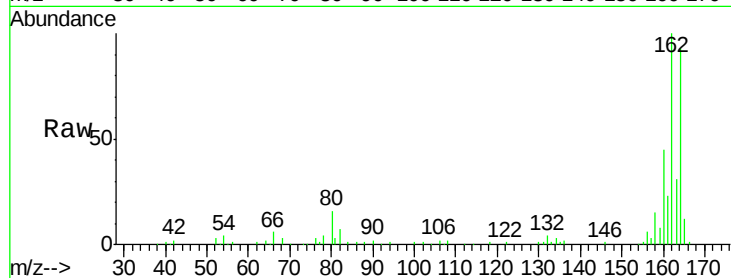
Tgt Ion:164 Resp: 112972

Ion Ratio Lower Upper

164 100

162 107.2 85.4 128.2

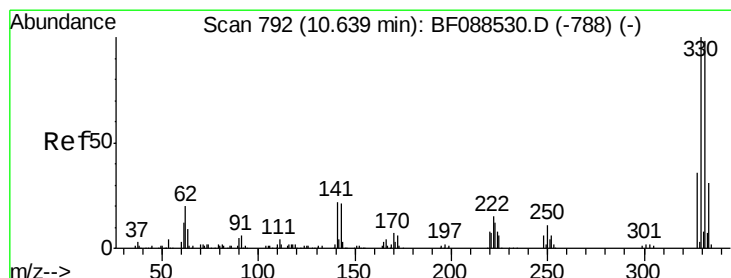
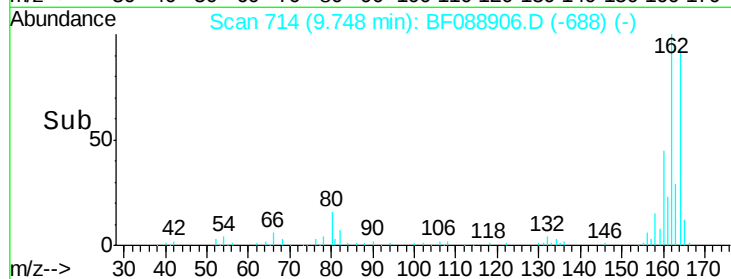
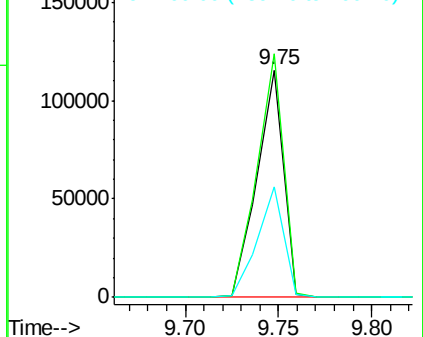
160 48.4 39.5 59.3



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: 106.14 ng

RT: 10.52 min Scan# 782

Delta R.T. -0.01 min

Lab File: BF088906.D

Acq: 11 Jul 2016 18:27

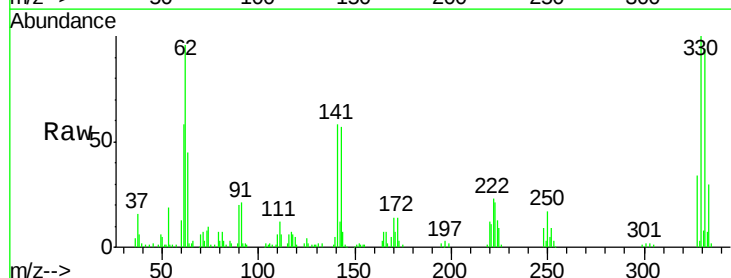
Tgt Ion:330 Resp: 111350

Ion Ratio Lower Upper

330 100

332 95.4 0.0 0.0#

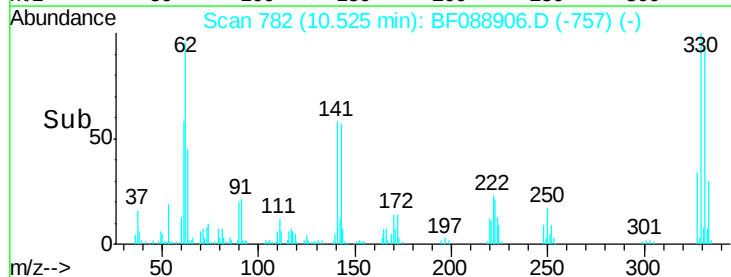
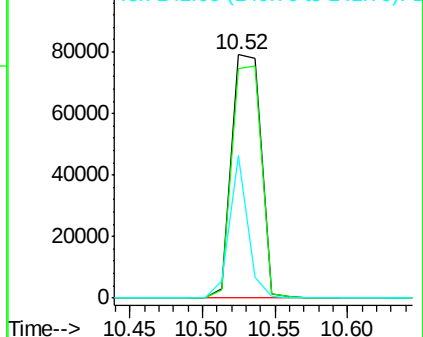
141 36.3 0.0 0.0#

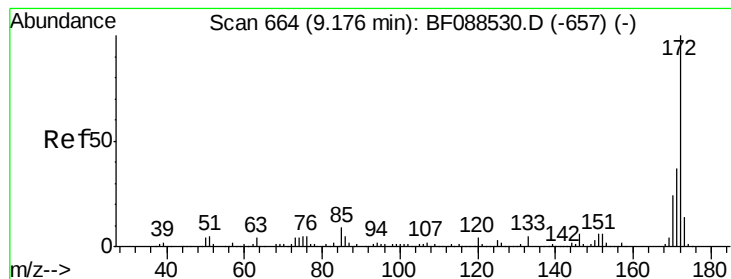


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 74.30 ng

RT: 9.07 min Scan# 655

Delta R.T. 0.00 min

Lab File: BF088906.D

Acq: 11 Jul 2016 18:27

Instrument :

BNA_F

ClientSampleId :

P6-B2-0-11-C

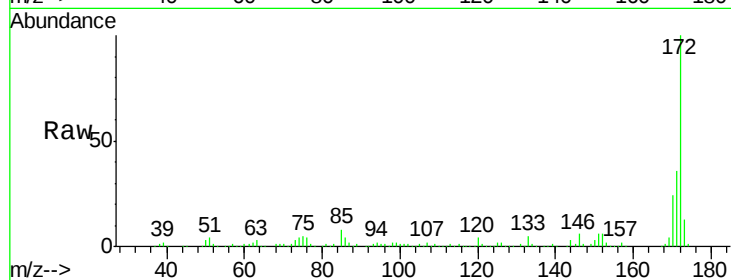
Tgt Ion:172 Resp: 531411

Ion Ratio Lower Upper

172 100

171 36.1 28.6 43.0

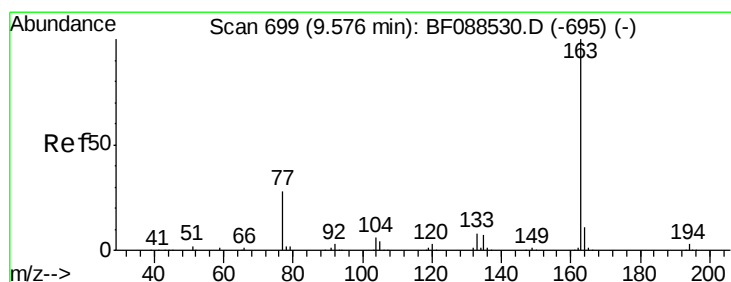
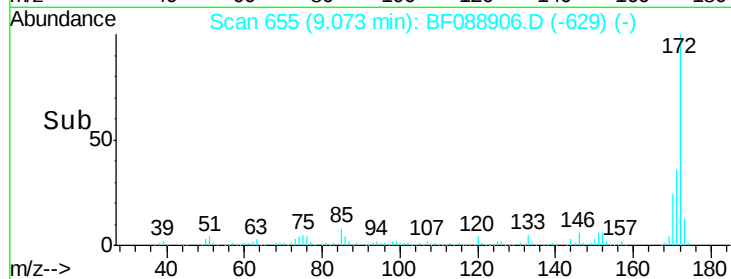
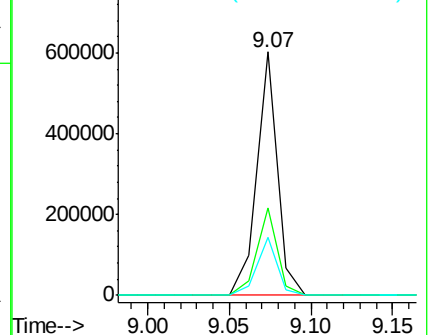
170 23.7 19.2 28.8



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: 13.41 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF088906.D

Acq: 11 Jul 2016 18:27

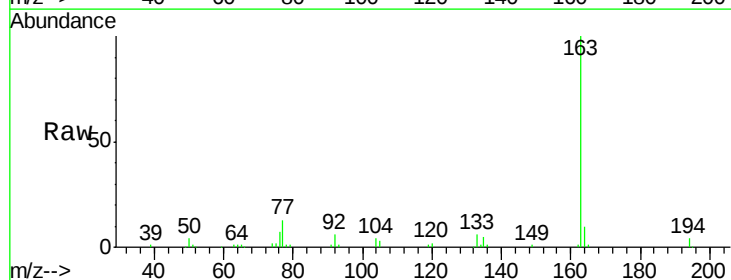
Tgt Ion:163 Resp: 107916

Ion Ratio Lower Upper

163 100

194 3.8 2.8 4.2

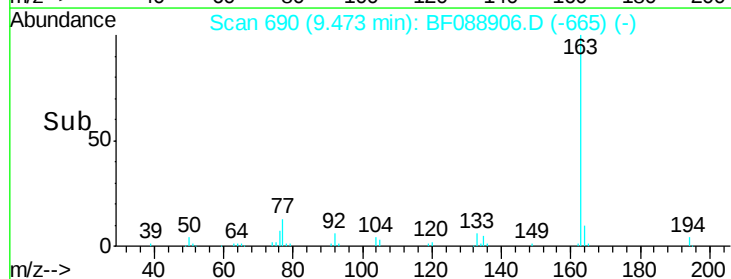
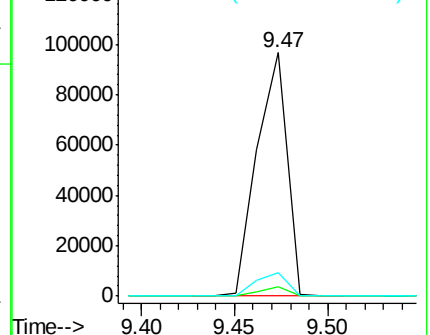
164 9.7 8.3 12.5



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

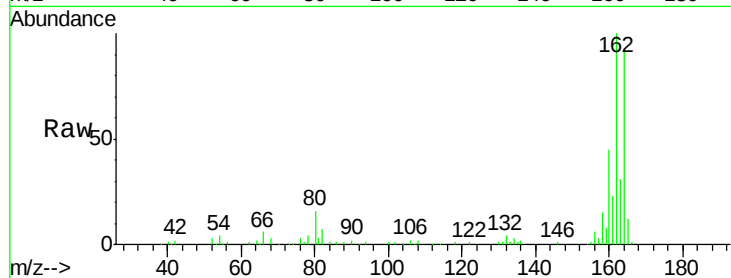




#56
 2,4-Dinitrotoluene
 Concen: 6.26 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.19 min
 Lab File: BF088906.D
 Acq: 11 Jul 2016 18:27

Instrument :
 BNA_F
 ClientSampleId :
 P6-B2-0-11-C

Tgt Ion:	165	Resp:	14599
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#

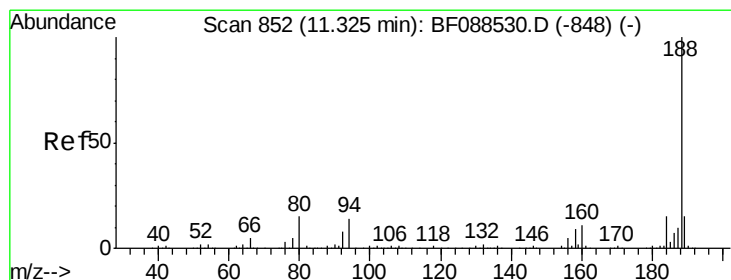
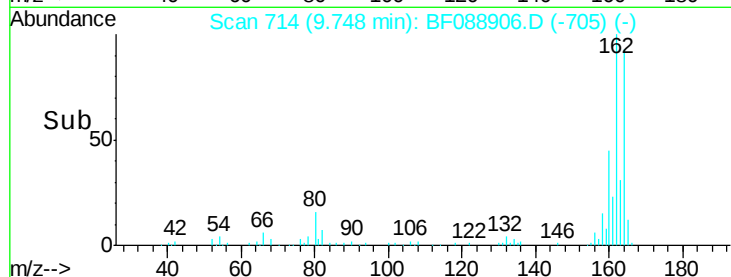
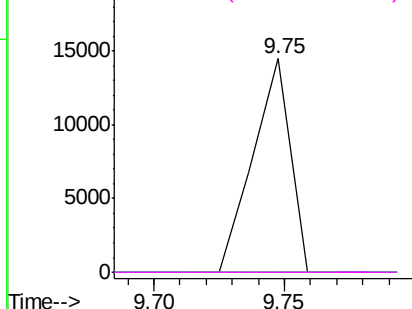


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

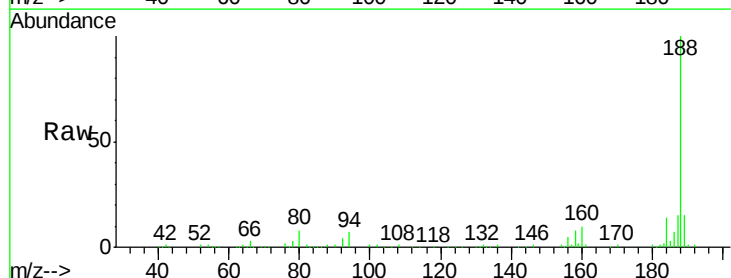
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 843
 Delta R.T. 0.00 min
 Lab File: BF088906.D
 Acq: 11 Jul 2016 18:27

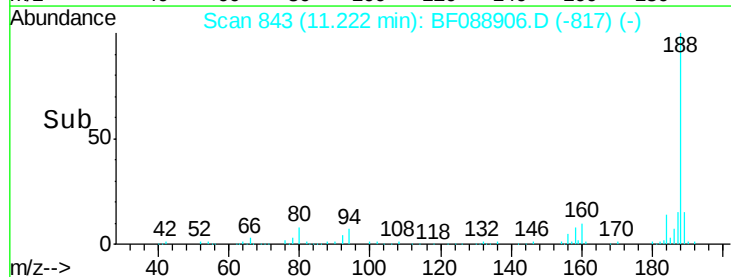
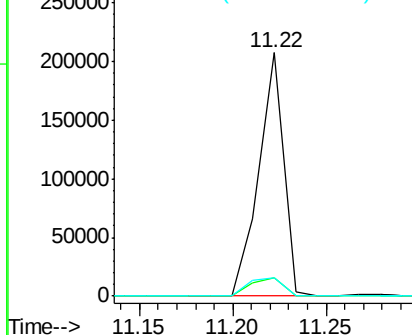
Tgt Ion:	188	Resp:	190605
Ion Ratio	Lower	Upper	
188	100		
94	7.4	9.0	13.6#
80	7.6	10.0	15.0#

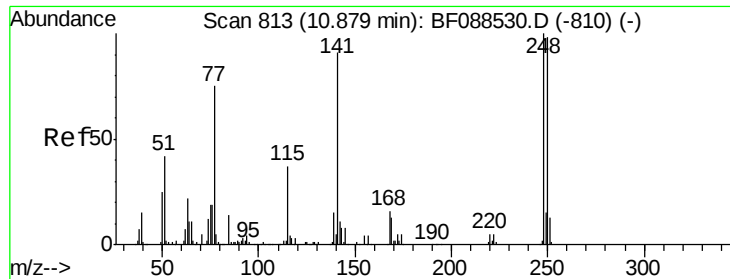


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

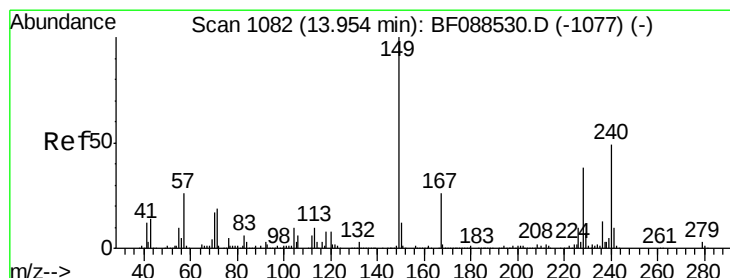
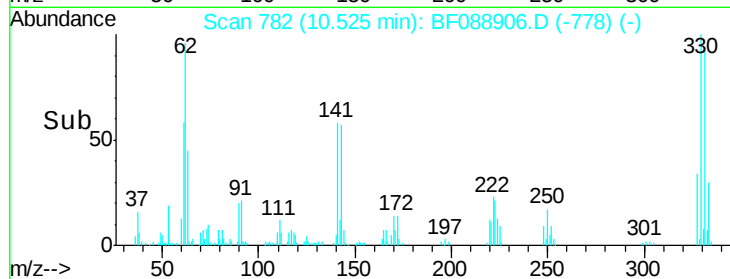
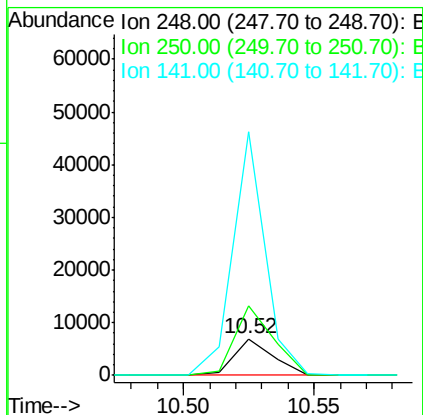
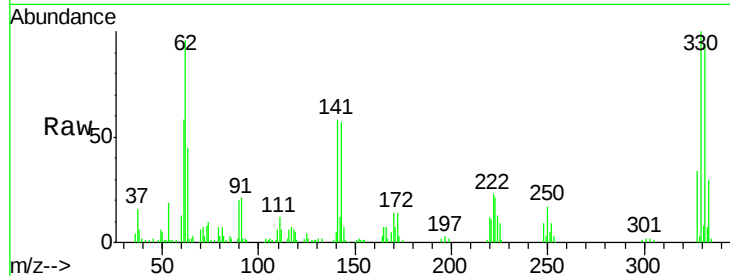




#66
4-Bromophenyl-phenylether
Concen: 3.70 ng
RT: 10.52 min Scan# 782
Delta R.T. -0.25 min
Lab File: BF088906.D
Acq: 11 Jul 2016 18:27

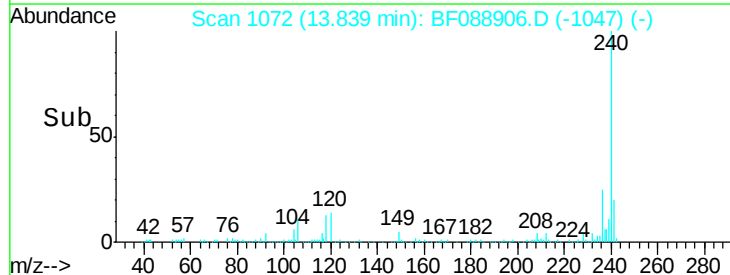
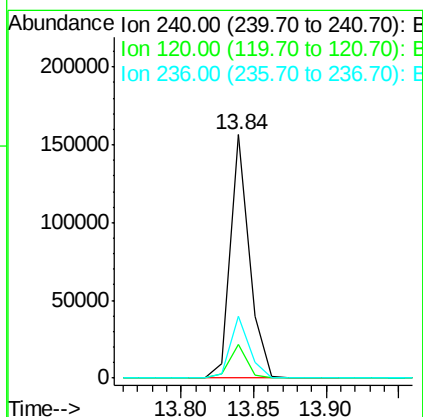
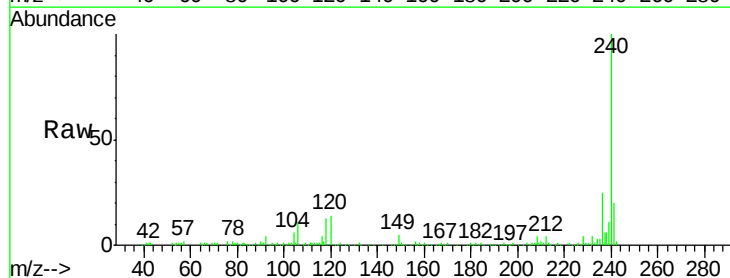
Instrument :
BNA_F
ClientSampleId :
P6-B2-0-11-C

Tgt Ion:248 Resp: 7115
Ion Ratio Lower Upper
248 100
250 192.1 77.1 115.7#
141 671.8 50.6 76.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BF088906.D
Acq: 11 Jul 2016 18:27

Tgt Ion:240 Resp: 142349
Ion Ratio Lower Upper
240 100
120 13.9 6.8 10.2#
236 25.2 20.2 30.2





#78

Terphenyl-d14

Concen: 59.77 ng

RT: 12.80 min Scan# 981

Delta R.T. 0.00 min

Lab File: BF088906.D

Acq: 11 Jul 2016 18:27

Instrument :

BNA_F

ClientSampleId :

P6-B2-0-11-C

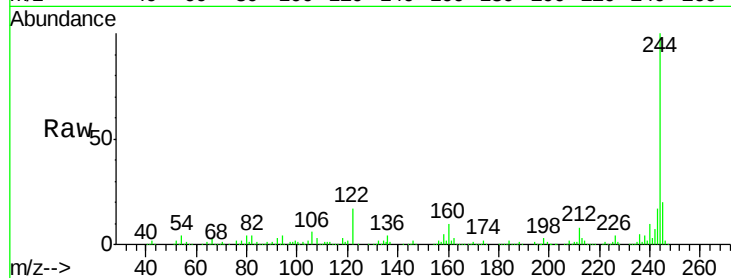
Tgt Ion:244 Resp: 381974

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

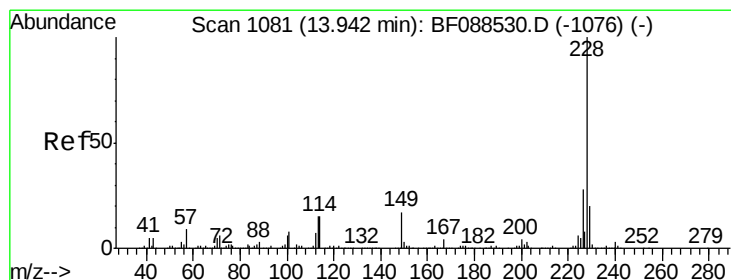
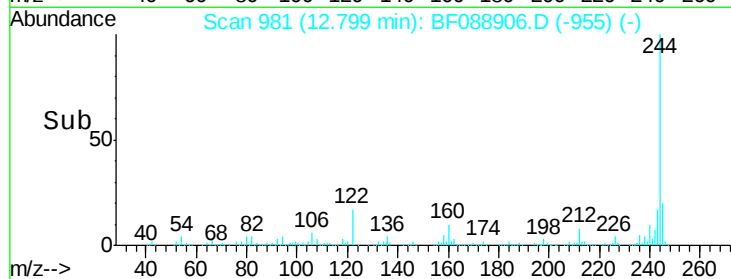
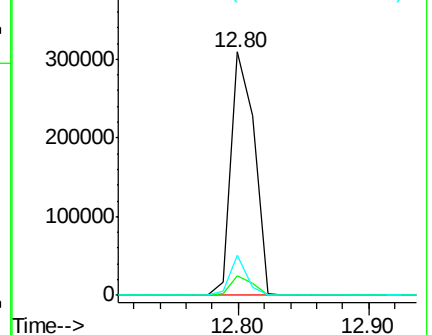
122 16.6 11.2 16.8



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: 2.69 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF088906.D

Acq: 11 Jul 2016 18:27

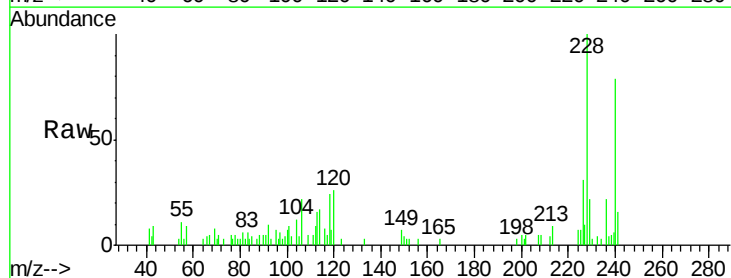
Tgt Ion:228 Resp: 24702

Ion Ratio Lower Upper

228 100

226 31.1 22.3 33.5

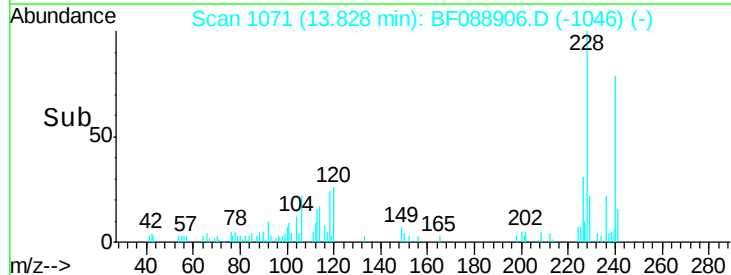
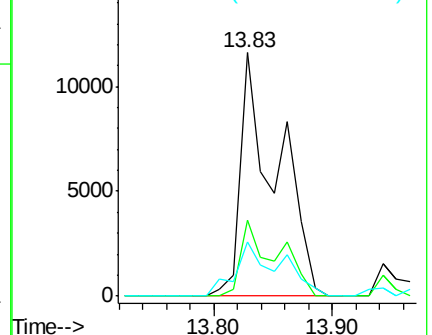
229 22.1 16.0 24.0

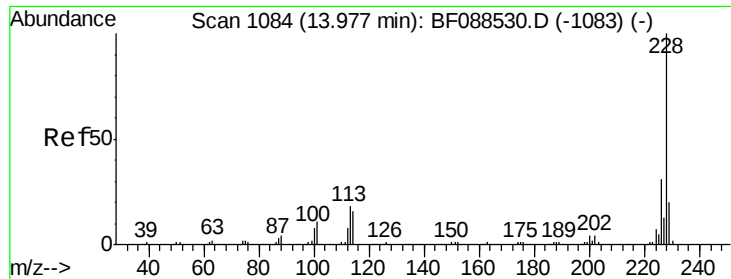


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.72 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.05 min

Lab File: BF088906.D

Acq: 11 Jul 2016 18:27

Instrument :

BNA_F

ClientSampleId :

P6-B2-0-11-C

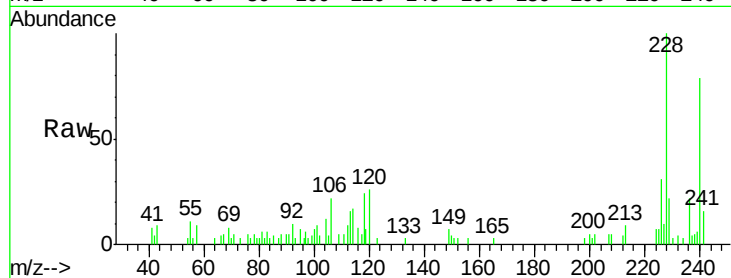
Tgt Ion:228 Resp: 24702

Ion Ratio Lower Upper

228 100

226 31.1 25.4 38.2

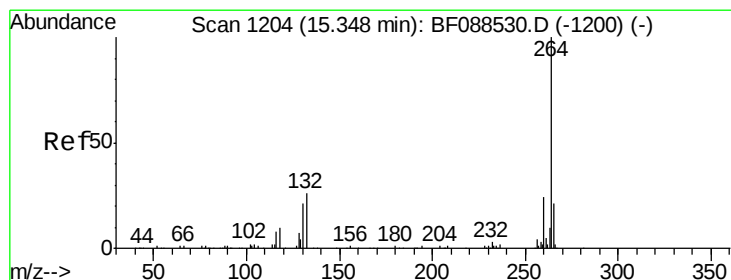
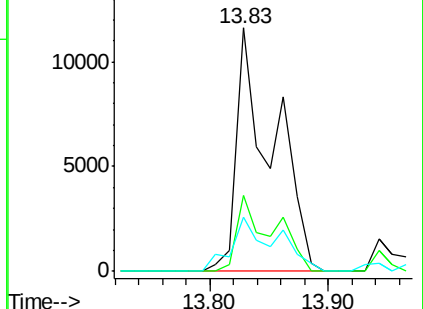
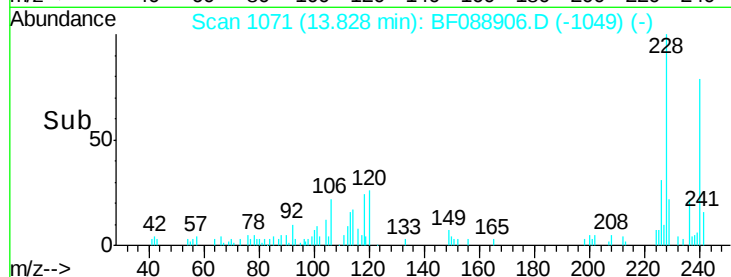
229 22.1 16.3 24.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.21 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BF088906.D

Acq: 11 Jul 2016 18:27

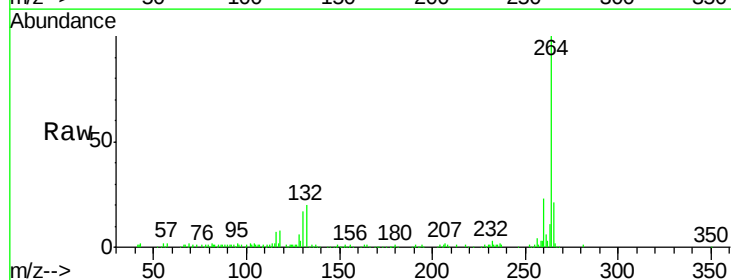
Tgt Ion:264 Resp: 122544

Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

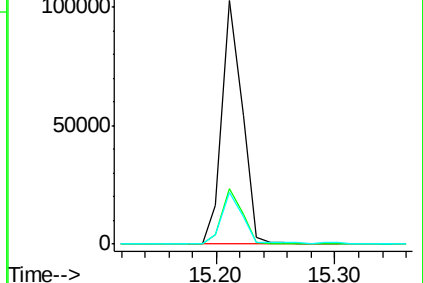
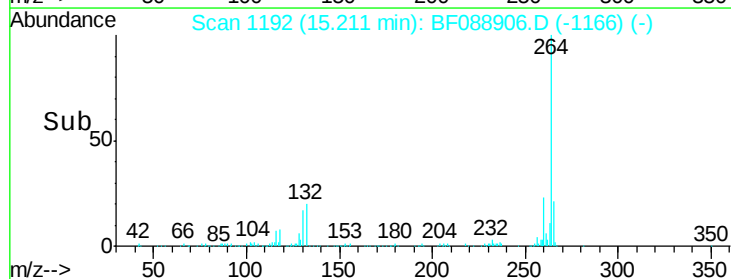
265 21.5 16.9 25.3

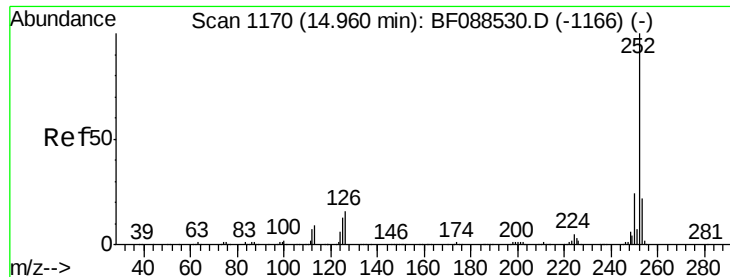


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

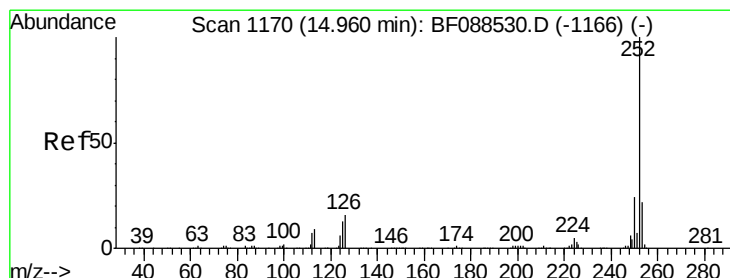
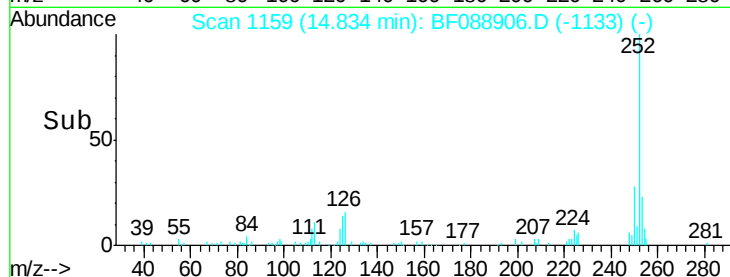
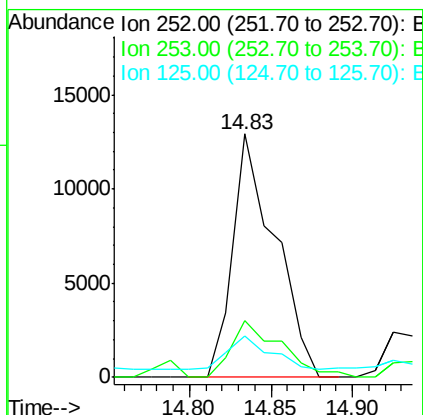
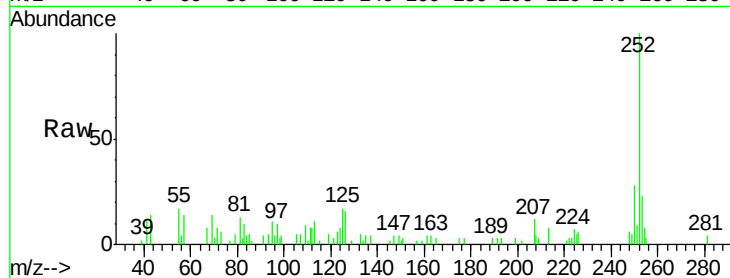




#87
Benzo(b)fluoranthene
Concen: 3.01 ng
RT: 14.83 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF088906.D
Acq: 11 Jul 2016 18:27

Instrument :
BNA_F
ClientSampleId :
P6-B2-0-11-C

Tgt Ion:252 Resp: 23106
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 17.0 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 3.45 ng
RT: 14.83 min Scan# 1159
Delta R.T. -0.03 min
Lab File: BF088906.D
Acq: 11 Jul 2016 18:27

Tgt Ion:252 Resp: 23106
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 17.0 11.2 16.8#

