

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
 Data File : BF088912.D
 Acq On : 11 Jul 2016 21:22
 Operator : UM/SJ
 Sample : H3921-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N8-B1(0-5)C

Quant Time: Jul 12 02:05:11 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	67332	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	280233	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	115145	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	183520	20.00	ng	0.00
75) Chrysene-d12	13.84	240	133112	20.00	ng	-0.01
86) Perylene-d12	15.21	264	117242	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	517172	115.11	ng	0.02
7) Phenol-d6	6.35	99	608178	104.77	ng	0.00
23) Nitrobenzene-d5	7.28	82	409705	76.62	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	115299	107.83	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	597004	81.90	ng	0.00
78) Terphenyl-d14	12.80	244	427183	71.48	ng	0.00

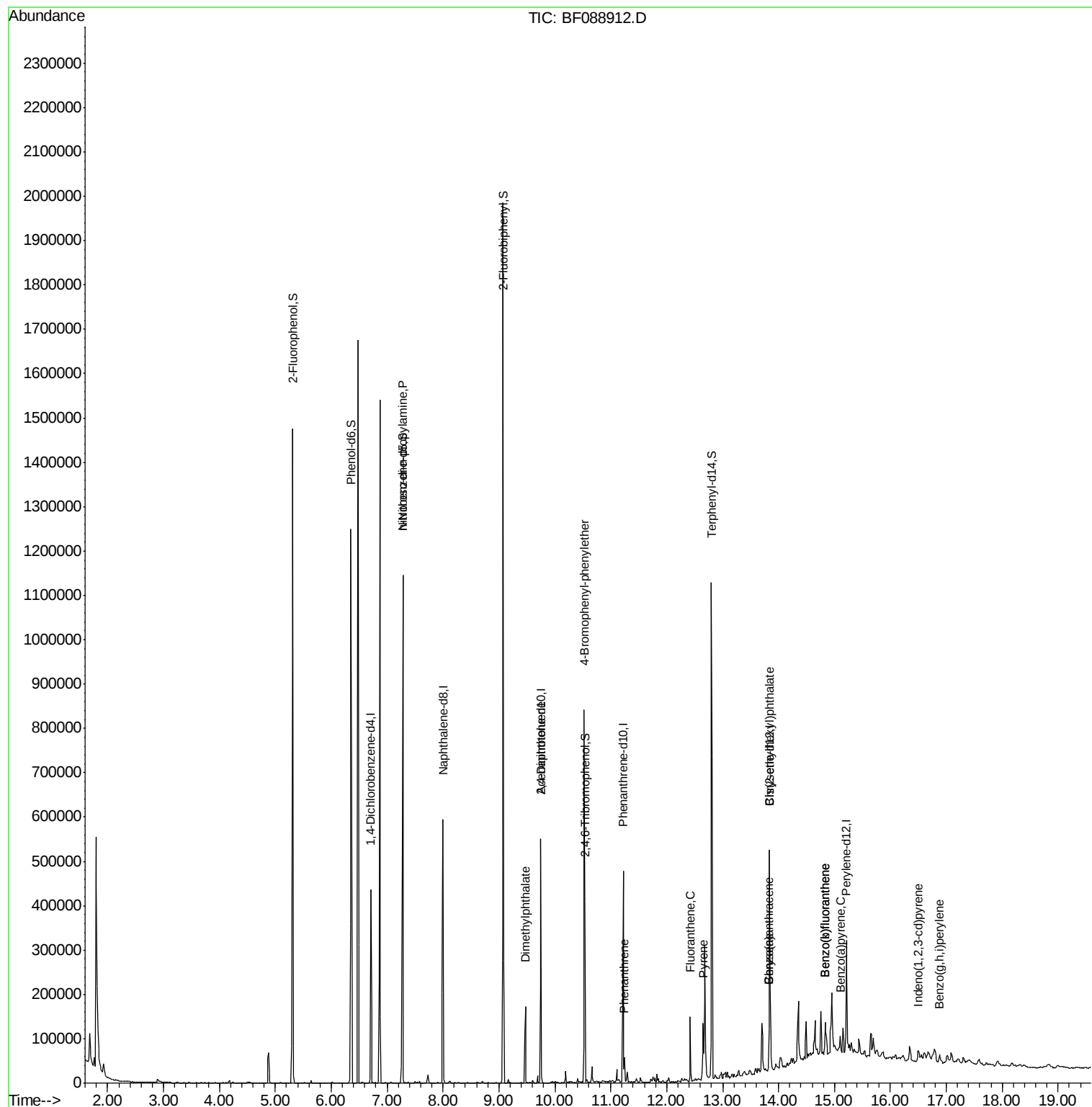
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	55733	14.29	ng	# 70
49) Dimethylphthalate	9.47	163	94349	11.50	ng	98
56) 2,4-Dinitrotoluene	9.75	165	14179	5.96	ng	# 36
66) 4-Bromophenyl-phenylether	10.52	248	7301	3.95	ng	# 1
70) Phenanthrene	11.24	178	23845	2.38	ng	99
74) Fluoranthene	12.42	202	52608	5.17	ng	99
77) Pyrene	12.65	202	52662	4.67	ng	97
80) Benzo(a)anthracene	13.83	228	30610	3.57	ng	93
82) Chrysene	13.83	228	30610	3.61	ng	98
83) Bis(2-ethylhexyl)phthalate	13.84	149	15174	2.64	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.49	276	14280	2.19	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	45462	6.18	ng	# 92
88) Benzo(k)fluoranthene	14.83	252	45462	7.10	ng	97
89) Benzo(a)pyrene	15.11	252	17016	2.73	ng	93
91) Benzo(g,h,i)perylene	16.88	276	12809	2.38	ng	96

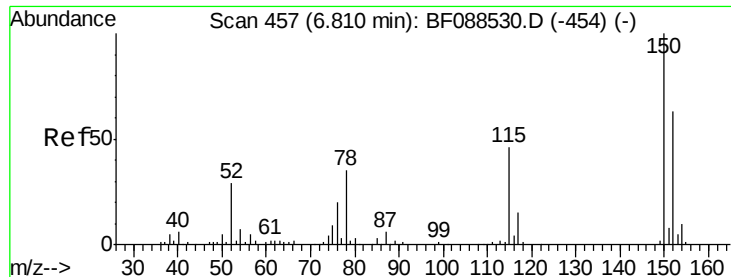
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
Data File : BF088912.D
Acq On : 11 Jul 2016 21:22
Operator : UM/SJ
Sample : H3921-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N8-B1(0-5)C

Quant Time: Jul 12 02:05:11 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF088912.D

Acq: 11 Jul 2016 21:22

Instrument :

BNA_F

ClientSampleId :

N8-B1(0-5)C

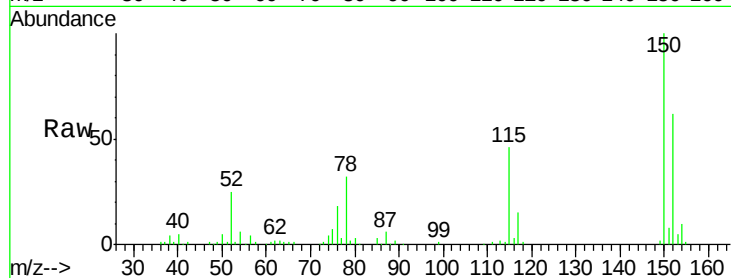
Tgt Ion:152 Resp: 67332

Ion Ratio Lower Upper

152 100

150 162.3 123.8 185.6

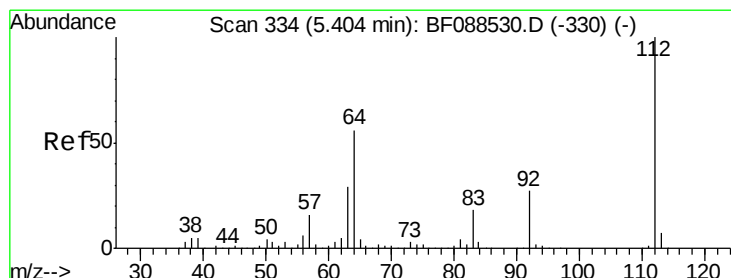
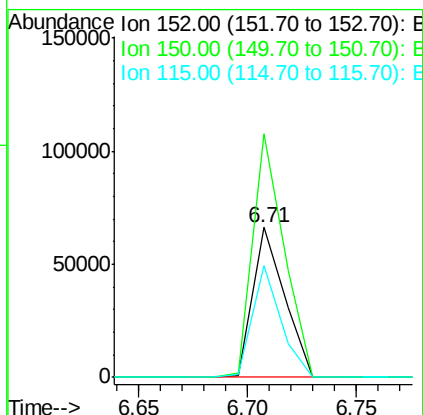
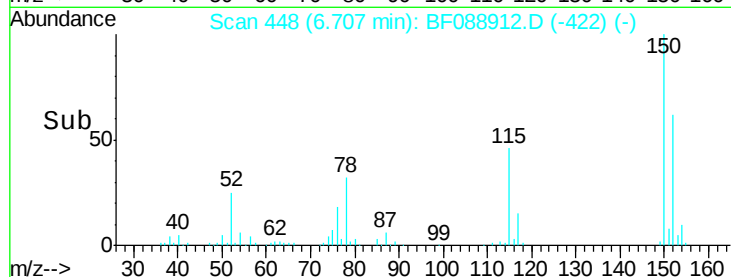
115 74.4 39.6 59.4#



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: 115.11 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.02 min

Lab File: BF088912.D

Acq: 11 Jul 2016 21:22

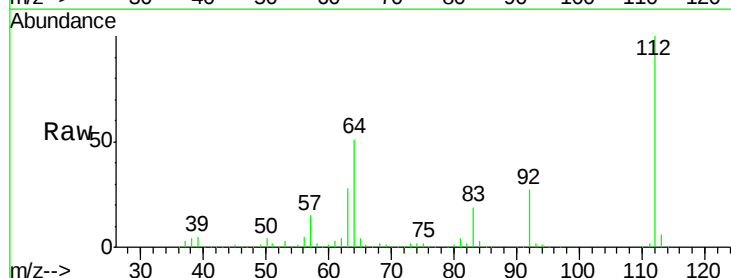
Tgt Ion:112 Resp: 517172

Ion Ratio Lower Upper

112 100

64 50.9 42.2 63.2

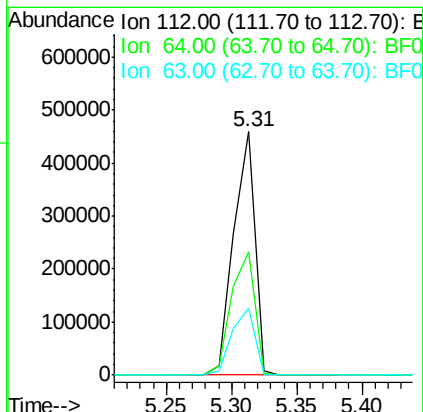
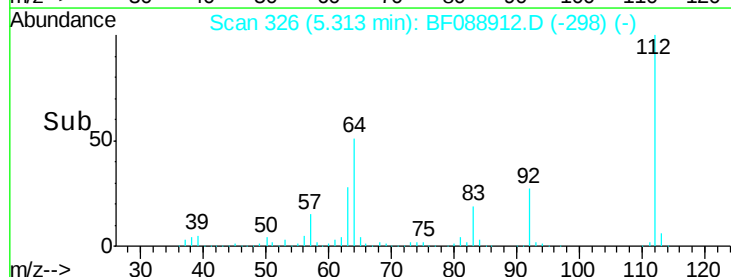
63 27.5 21.8 32.8

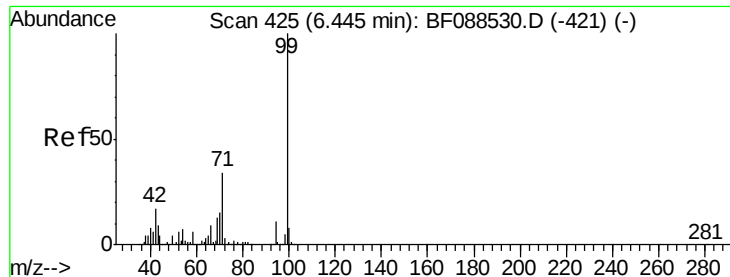


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.77 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088912.D

Acq: 11 Jul 2016 21:22

Instrument :

BNA_F

ClientSampleId :

N8-B1(0-5)C

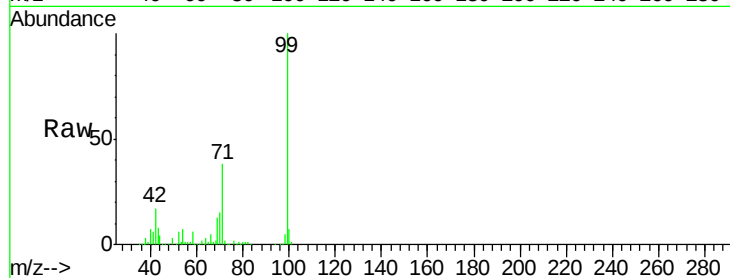
Tgt Ion: 99 Resp: 608178

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

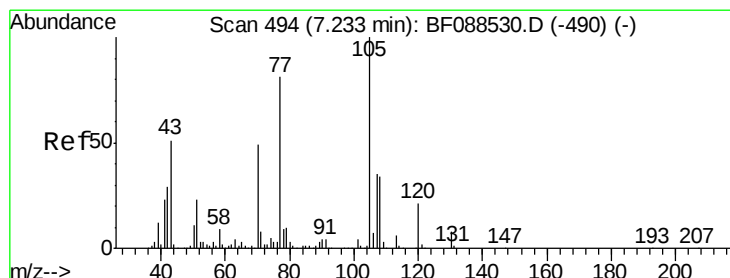
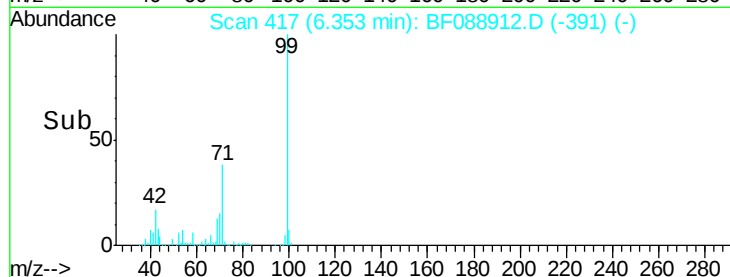
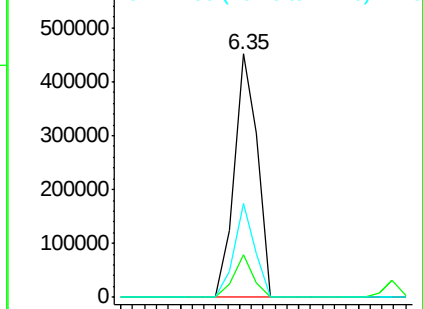
71 38.3 23.4 35.0#



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: 14.29 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.14 min

Lab File: BF088912.D

Acq: 11 Jul 2016 21:22

Tgt Ion: 70 Resp: 55733

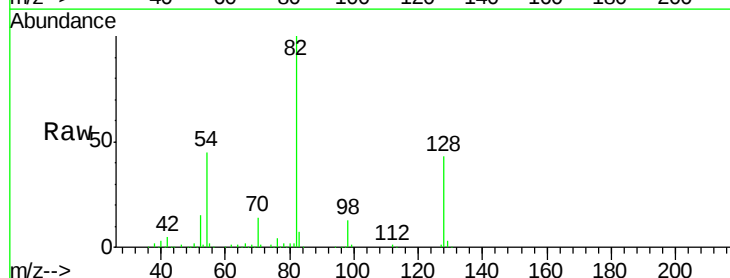
Ion Ratio Lower Upper

70 100

42 39.8 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#

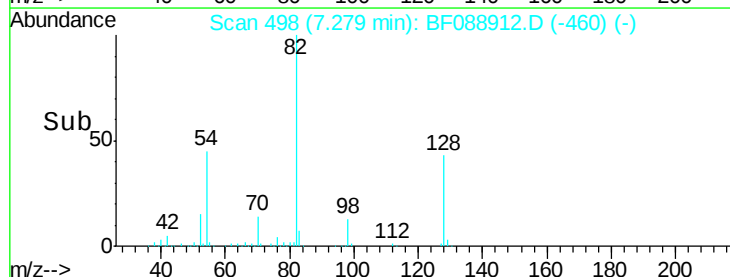
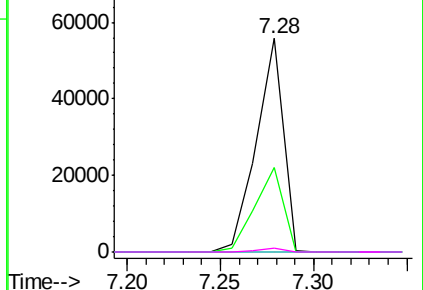


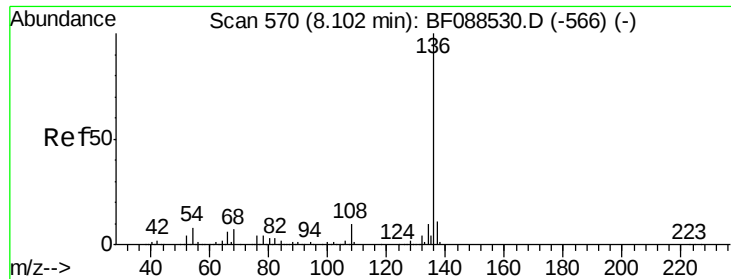
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

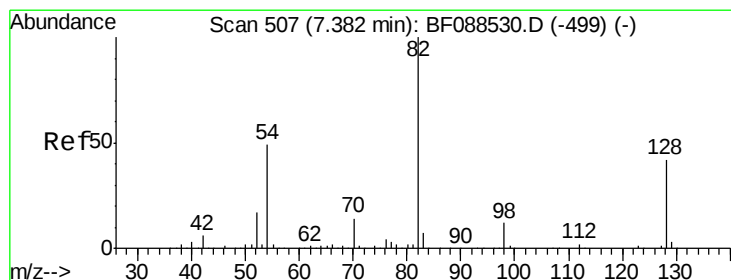
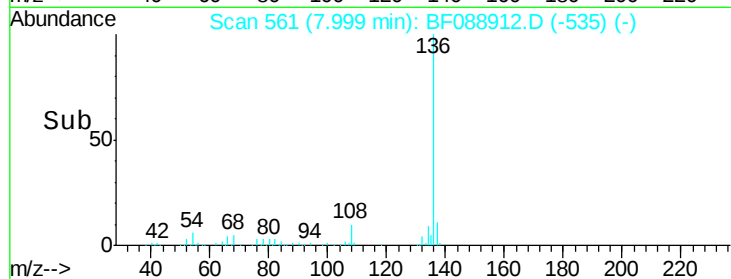
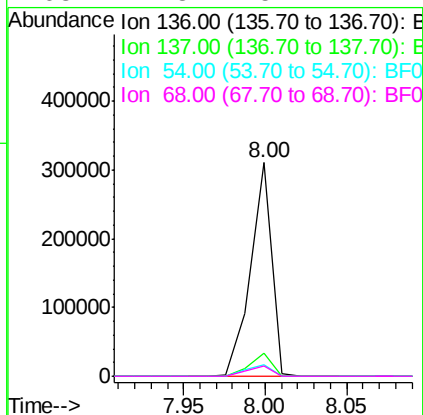
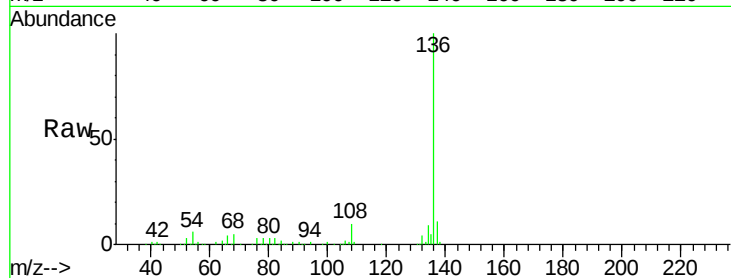




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF088912.D
Acq: 11 Jul 2016 21:22

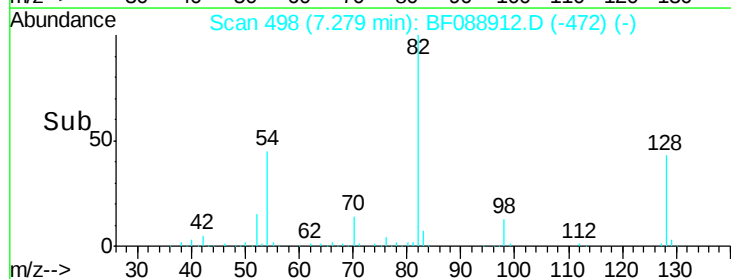
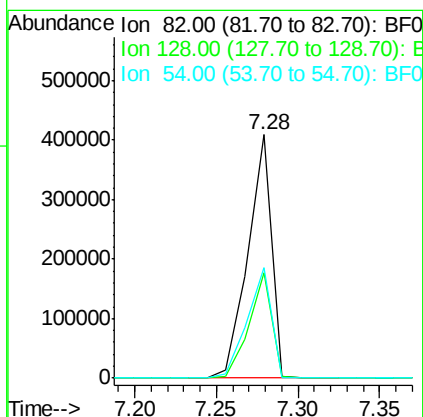
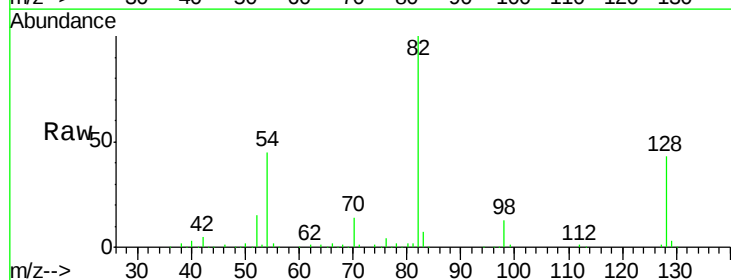
Instrument :
BNA_F
ClientSampleId :
N8-B1(0-5)C

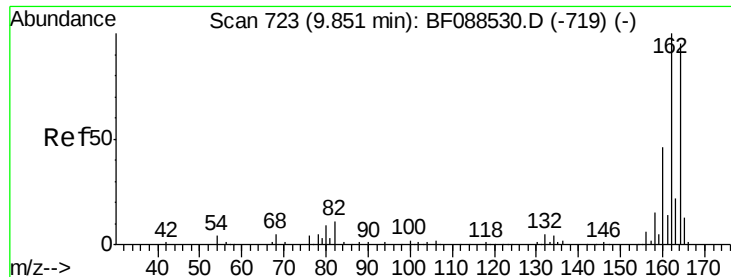
Tgt Ion:	136	Resp:	280233
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.5	6.6	10.0#
68	4.8	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 76.62 ng
RT: 7.28 min Scan# 498
Delta R.T. 0.00 min
Lab File: BF088912.D
Acq: 11 Jul 2016 21:22

Tgt Ion:	82	Resp:	409705
Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.9	53.9
54	45.5	40.9	61.3

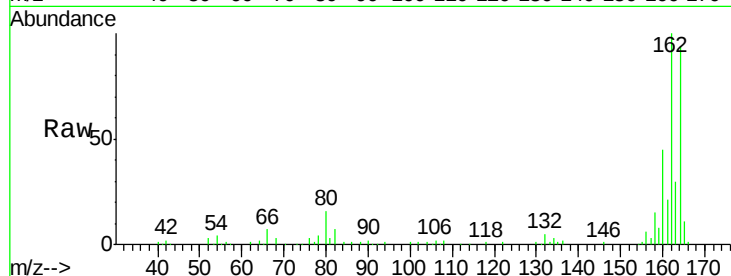




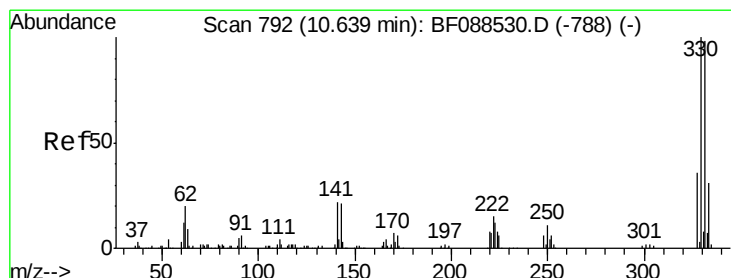
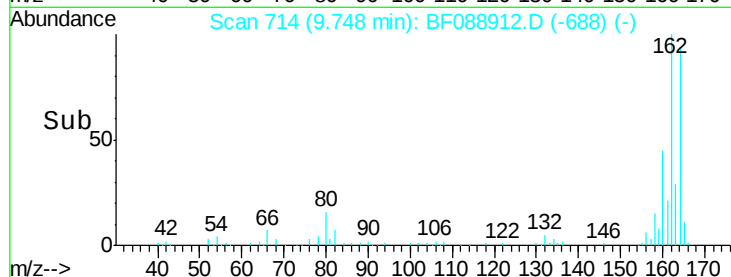
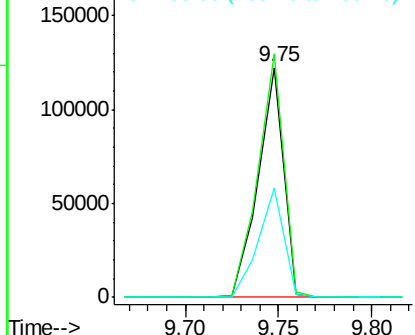
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: BF088912.D
 Acq: 11 Jul 2016 21:22

Instrument :
 BNA_F
 ClientSampleId :
 N8-B1(0-5)C

Tgt Ion:164 Resp: 115145
 Ion Ratio Lower Upper
 164 100
 162 105.9 85.4 128.2
 160 47.3 39.5 59.3

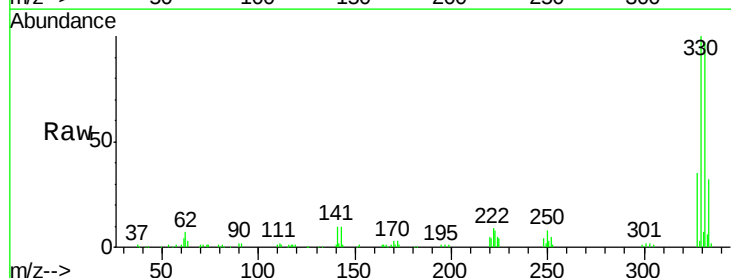


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

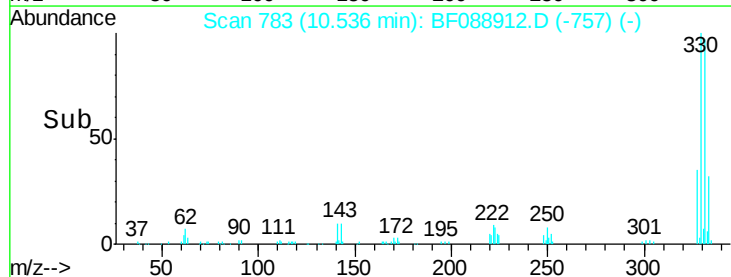
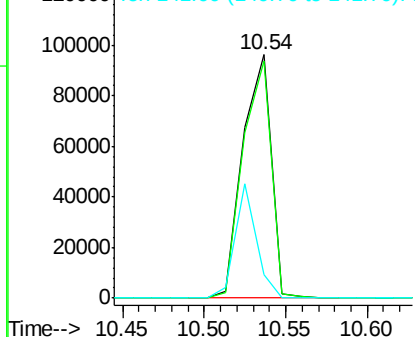


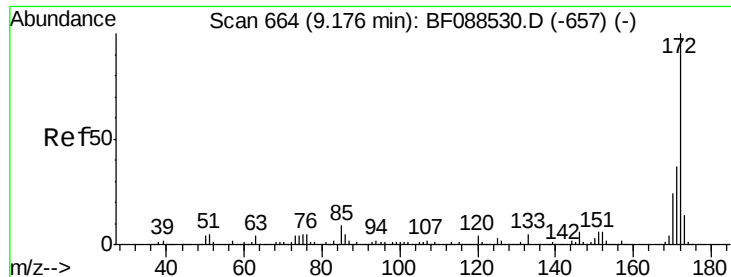
#41
 2,4,6-Tribromophenol
 Concen: 107.83 ng
 RT: 10.54 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF088912.D
 Acq: 11 Jul 2016 21:22

Tgt Ion:330 Resp: 115299
 Ion Ratio Lower Upper
 330 100
 332 97.5 0.0 0.0#
 141 35.3 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

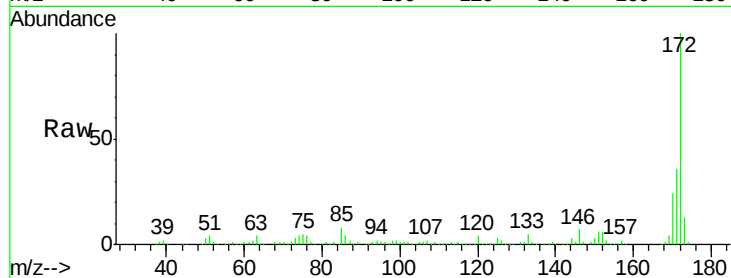




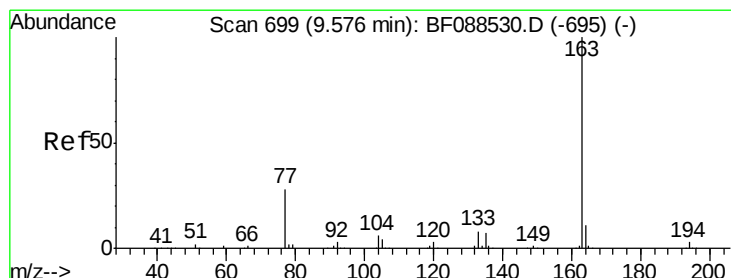
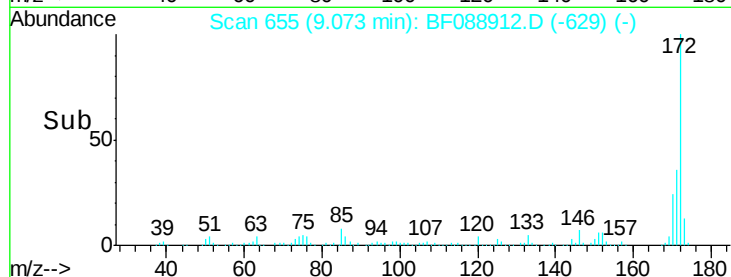
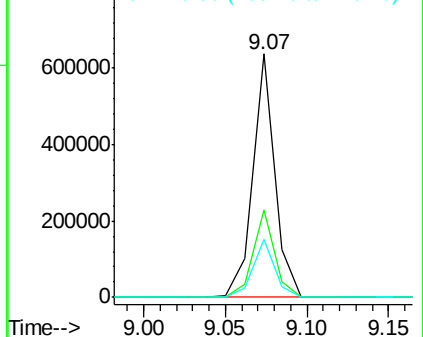
#44
2-Fluorobiphenyl
Concen: 81.90 ng
RT: 9.07 min Scan# 655
Delta R.T. 0.00 min
Lab File: BF088912.D
Acq: 11 Jul 2016 21:22

Instrument :
BNA_F
ClientSampleId :
N8-B1(0-5)C

Tgt Ion:172 Resp: 597004
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.6 19.2 28.8

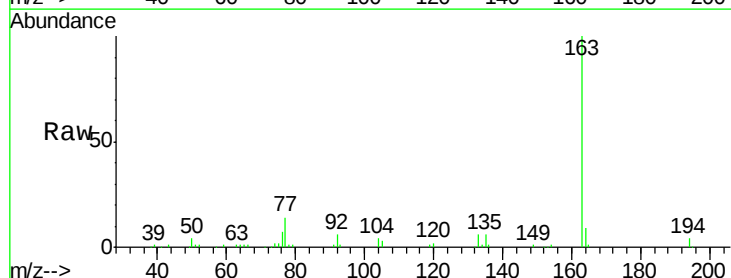


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

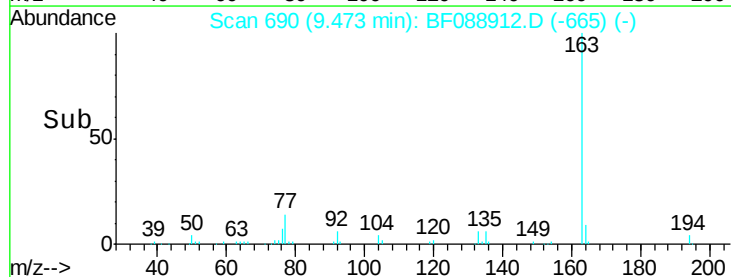
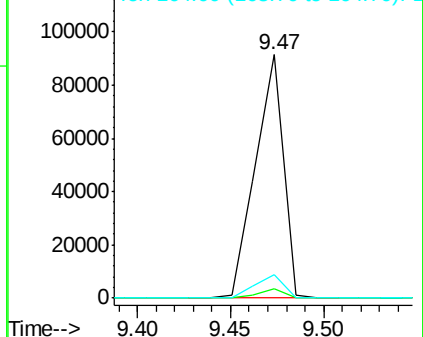


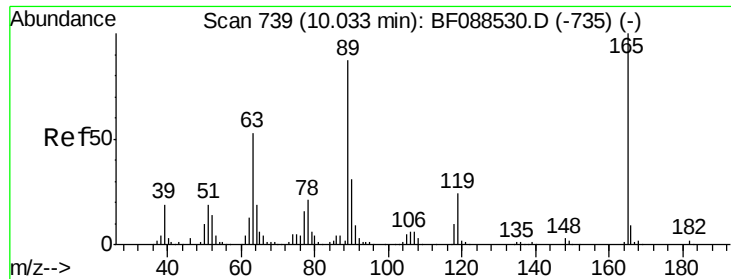
#49
Dimethylphthalate
Concen: 11.50 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF088912.D
Acq: 11 Jul 2016 21:22

Tgt Ion:163 Resp: 94349
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 9.5 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: 5.96 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.19 min

Lab File: BF088912.D

Acq: 11 Jul 2016 21:22

Instrument :

BNA_F

ClientSampleId :

N8-B1(0-5)C

Tgt Ion:165 Resp: 14179

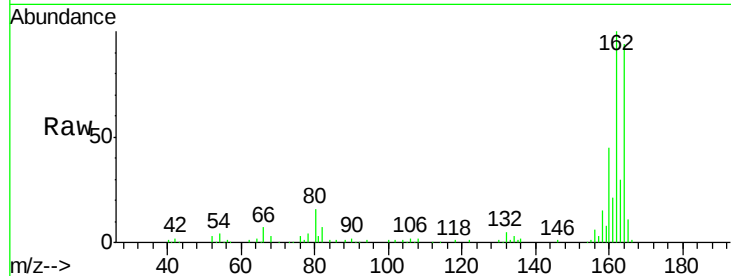
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

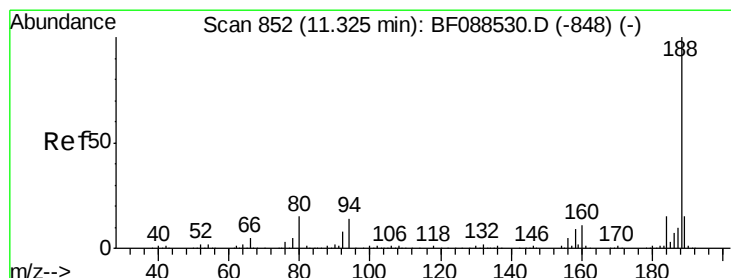
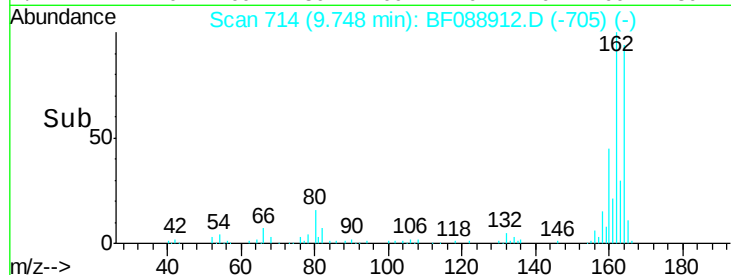
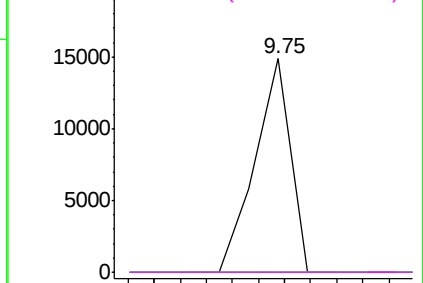


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF088912.D

Acq: 11 Jul 2016 21:22

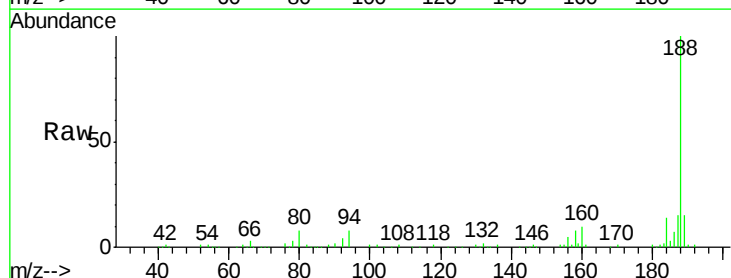
Tgt Ion:188 Resp: 183520

Ion Ratio Lower Upper

188 100

94 7.5 9.0 13.6#

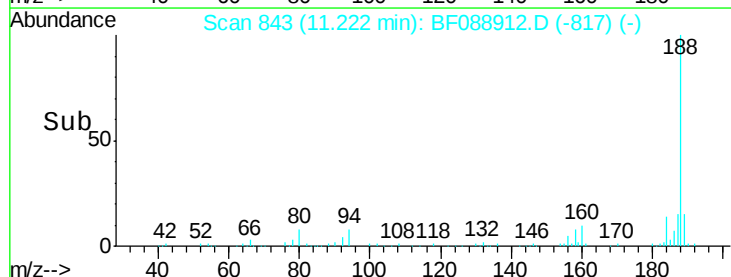
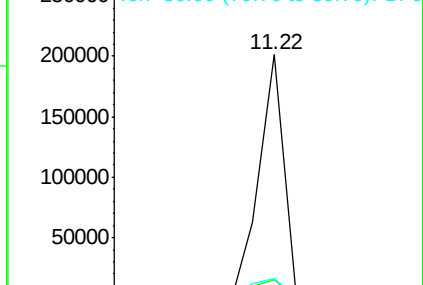
80 7.8 10.0 15.0#

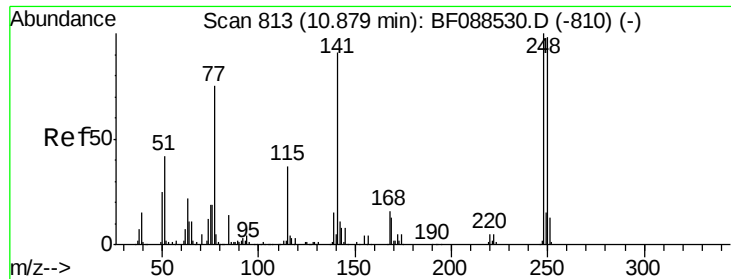


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

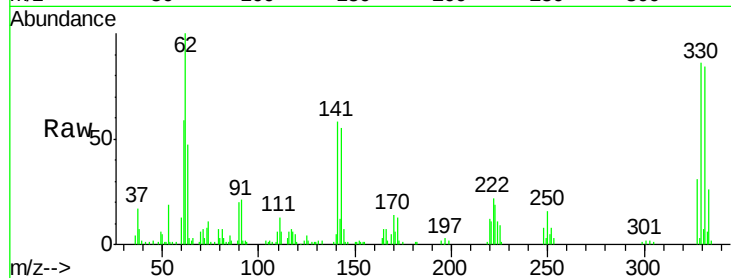




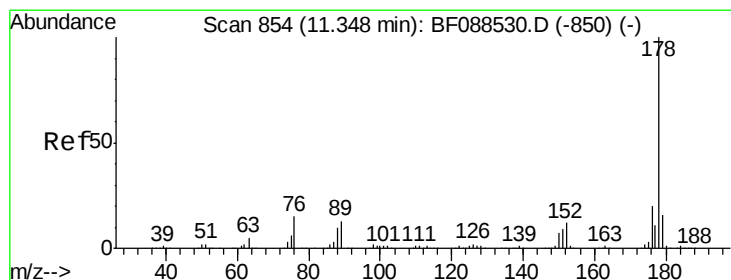
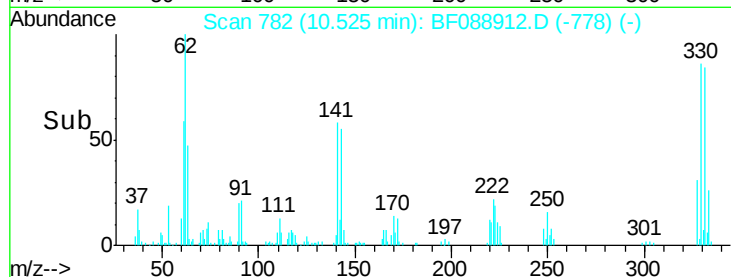
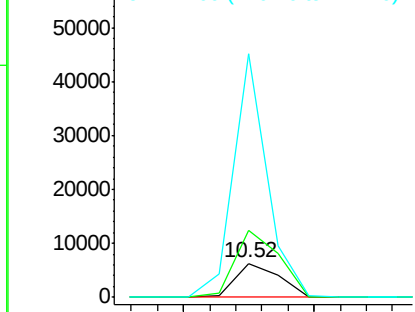
#66
 4-Bromophenyl-phenylether
 Concen: 3.95 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.25 min
 Lab File: BF088912.D
 Acq: 11 Jul 2016 21:22

Instrument :
 BNA_F
 ClientSampleId :
 N8-B1(0-5)C

Tgt Ion:248 Resp: 7301
 Ion Ratio Lower Upper
 248 100
 250 196.9 77.1 115.7#
 141 719.4 50.6 76.0#

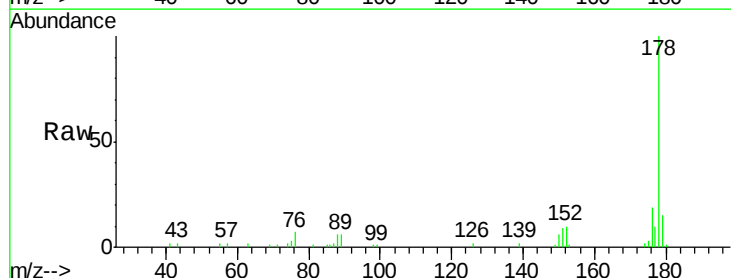


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

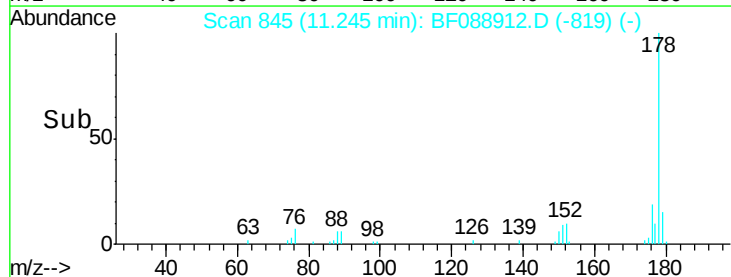
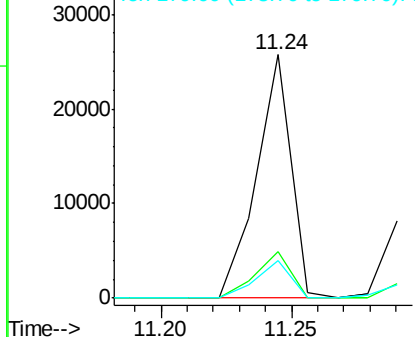


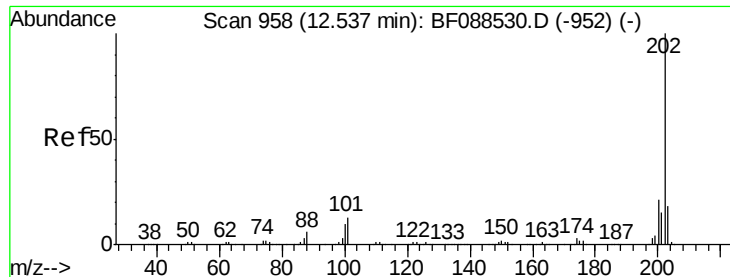
#70
 Phenanthrene
 Concen: 2.38 ng
 RT: 11.24 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: BF088912.D
 Acq: 11 Jul 2016 21:22

Tgt Ion:178 Resp: 23845
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.6
 179 15.3 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





#74

Fluoranthene

Concen: 5.17 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF088912.D

Acq: 11 Jul 2016 21:22

Instrument :

BNA_F

ClientSampleId :

N8-B1(0-5)C

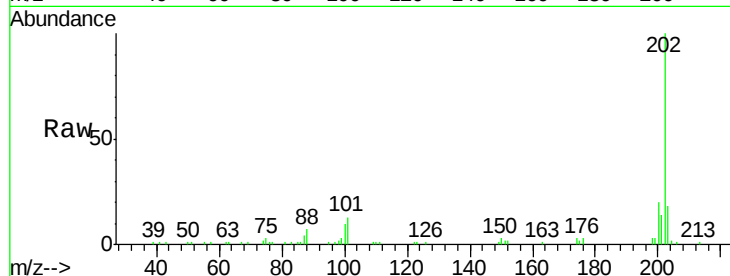
Tgt Ion:202 Resp: 52608

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.1

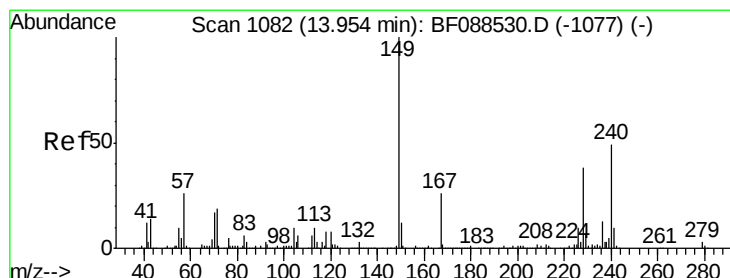
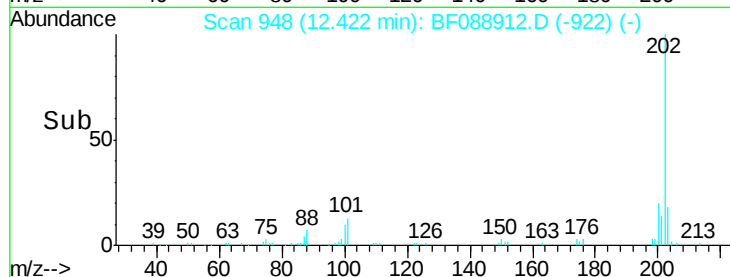
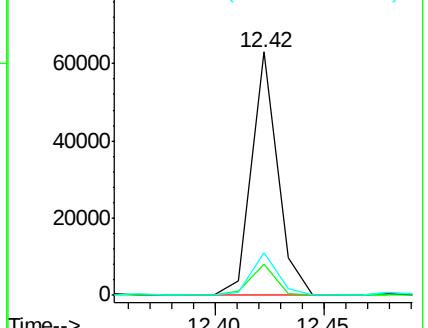
203 17.5 0.0 38.1



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: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088912.D

Acq: 11 Jul 2016 21:22

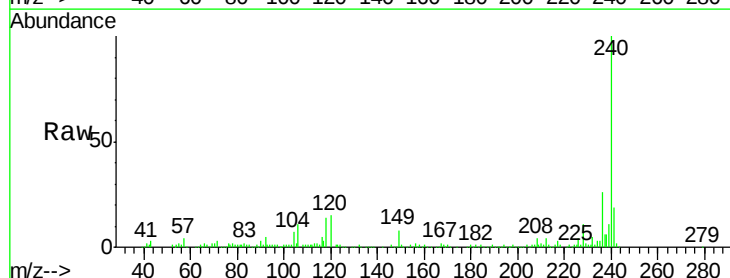
Tgt Ion:240 Resp: 133112

Ion Ratio Lower Upper

240 100

120 15.1 6.8 10.2#

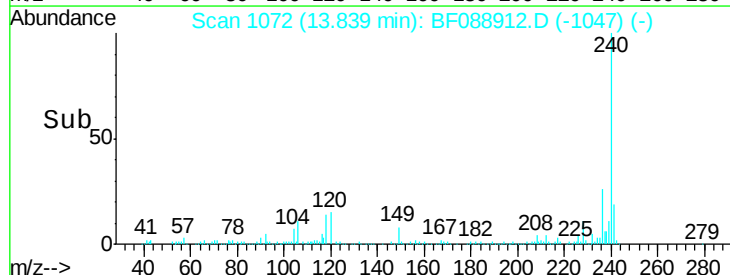
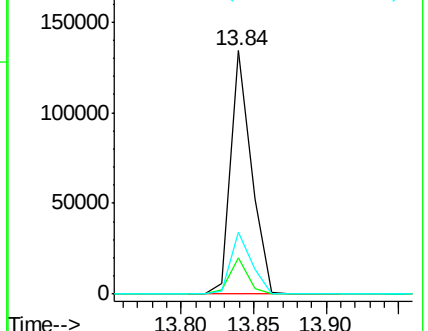
236 25.5 20.2 30.2

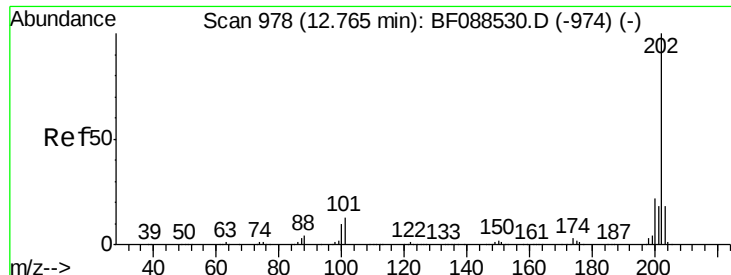


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

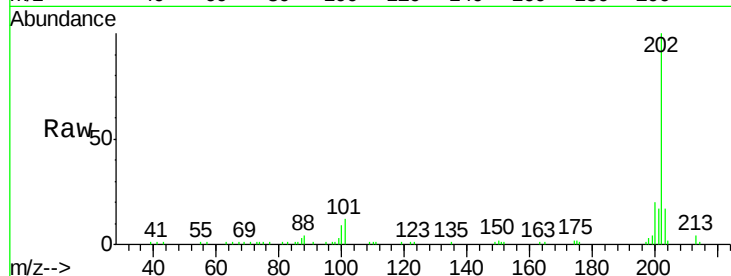




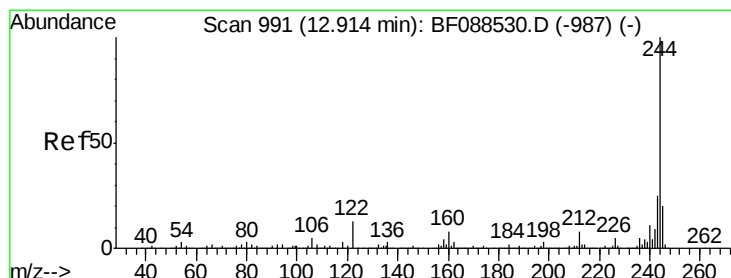
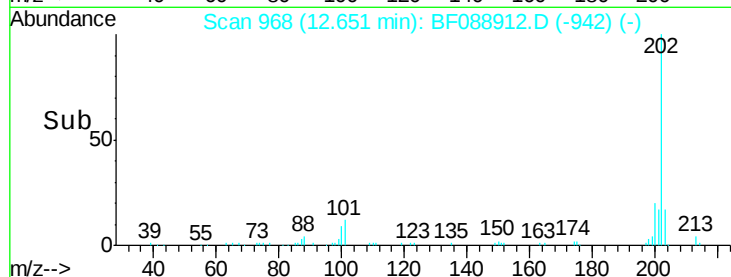
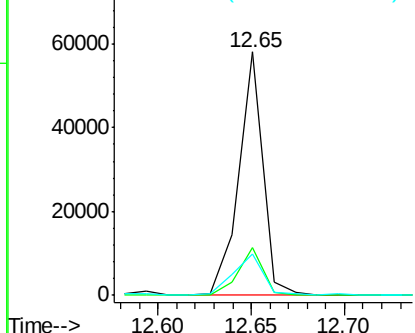
#77
 Pyrene
 Concen: 4.67 ng
 RT: 12.65 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: BF088912.D
 Acq: 11 Jul 2016 21:22

Instrument :
 BNA_F
 ClientSampleId :
 N8-B1(0-5)C

Tgt Ion: 202 Resp: 52662
 Ion Ratio Lower Upper
 202 100
 200 19.8 17.4 26.2
 203 17.3 14.5 21.7

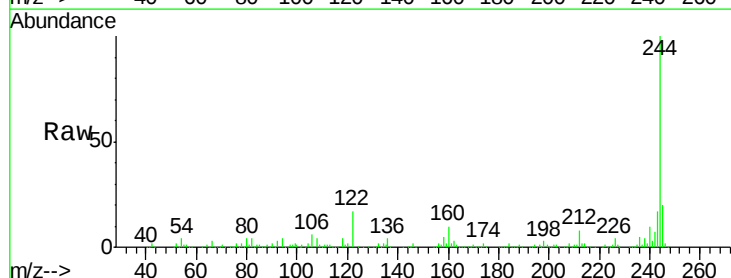


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

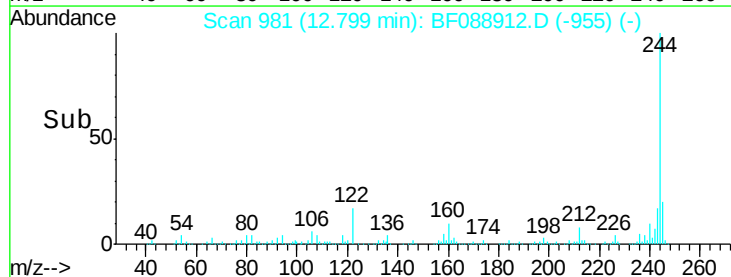
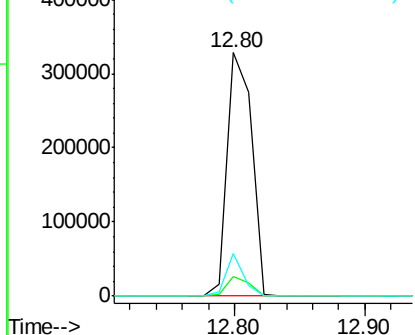


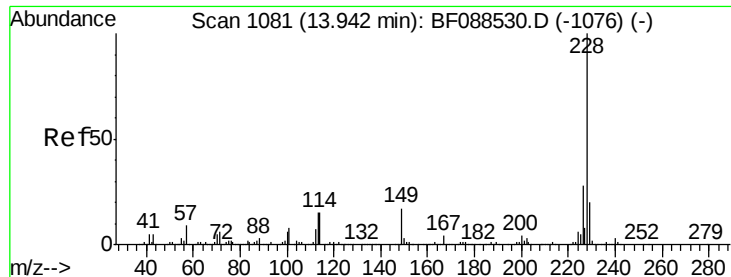
#78
 Terphenyl-d14
 Concen: 71.48 ng
 RT: 12.80 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BF088912.D
 Acq: 11 Jul 2016 21:22

Tgt Ion: 244 Resp: 427183
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.0 9.0
 122 17.3 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

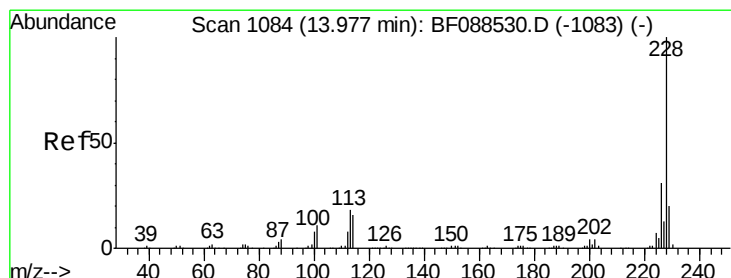
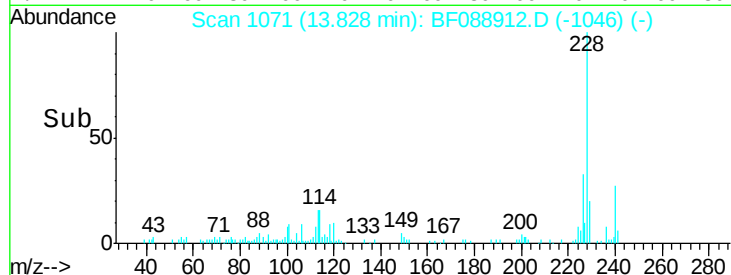
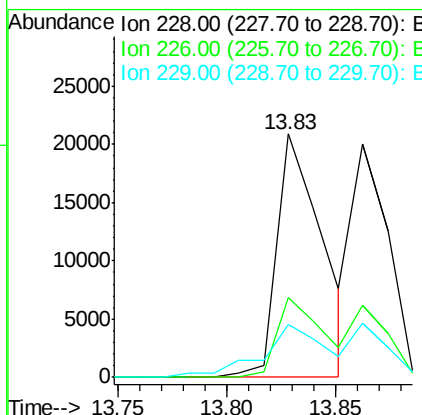
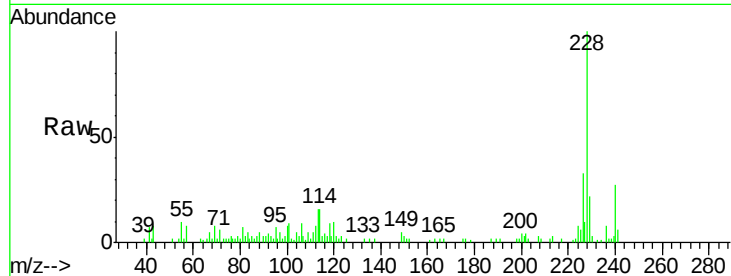




#80
Benzo(a)anthracene
Concen: 3.57 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF088912.D
Acq: 11 Jul 2016 21:22

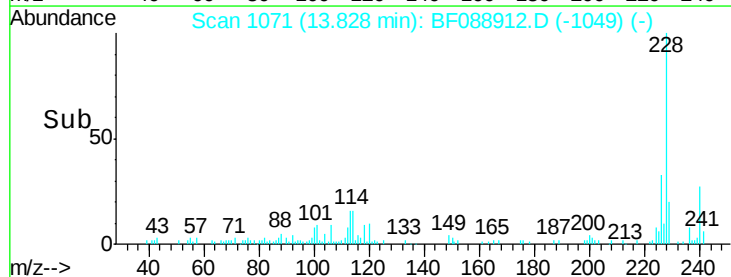
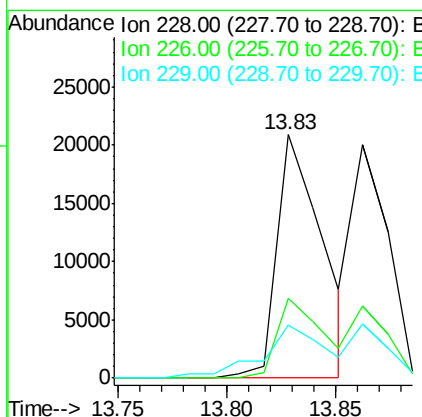
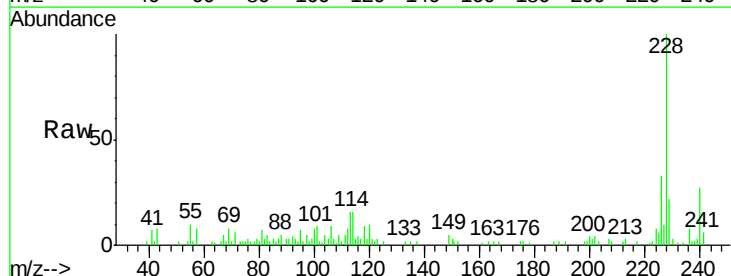
Instrument :
BNA_F
ClientSampleId :
N8-B1(0-5)C

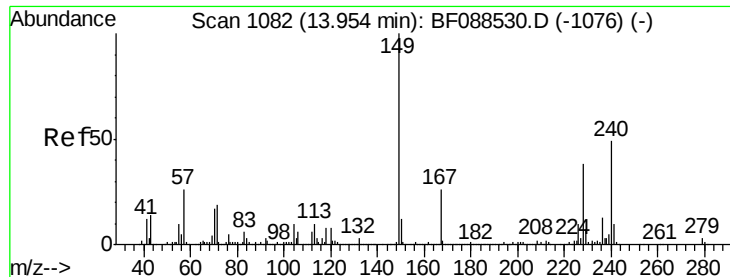
Tgt Ion: 228 Resp: 30610
Ion Ratio Lower Upper
228 100
226 32.6 22.3 33.5
229 21.7 16.0 24.0



#82
Chrysene
Concen: 3.61 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.05 min
Lab File: BF088912.D
Acq: 11 Jul 2016 21:22

Tgt Ion: 228 Resp: 30610
Ion Ratio Lower Upper
228 100
226 32.6 25.4 38.2
229 21.7 16.3 24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.64 ng

RT: 13.84 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BF088912.D

Acq: 11 Jul 2016 21:22

Instrument :

BNA_F

ClientSampleId :

N8-B1(0-5)C

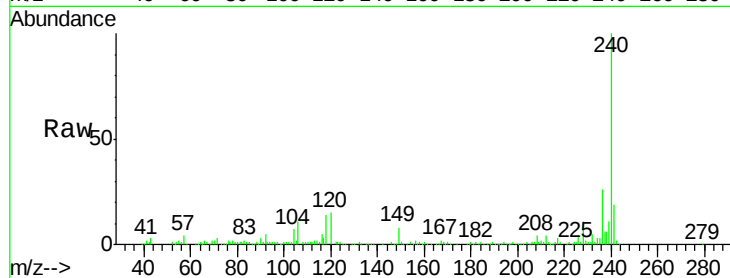
Tgt Ion:149 Resp: 15174

Ion Ratio Lower Upper

149 100

167 24.3 20.5 30.7

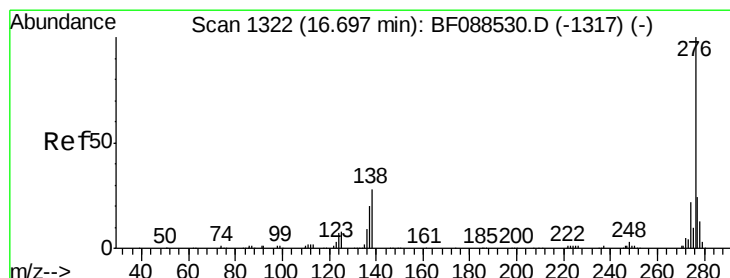
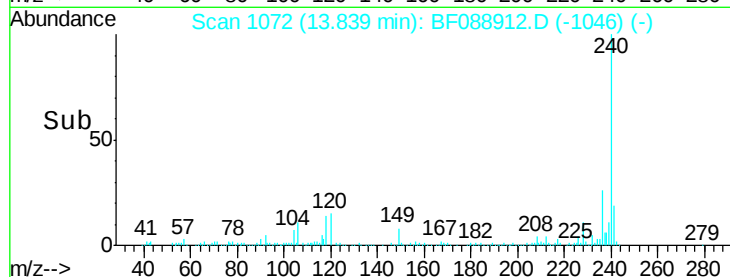
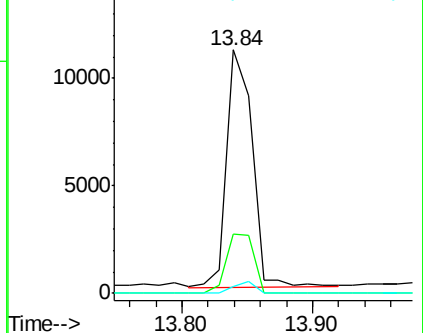
279 3.0 2.0 3.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.19 ng

RT: 16.49 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF088912.D

Acq: 11 Jul 2016 21:22

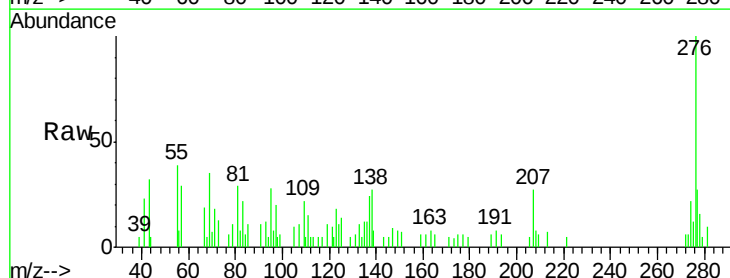
Tgt Ion:276 Resp: 14280

Ion Ratio Lower Upper

276 100

138 27.6 0.0 0.0#

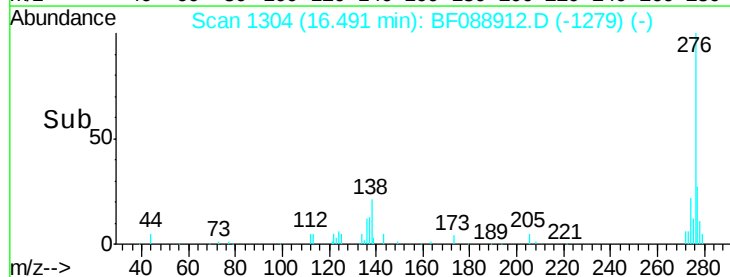
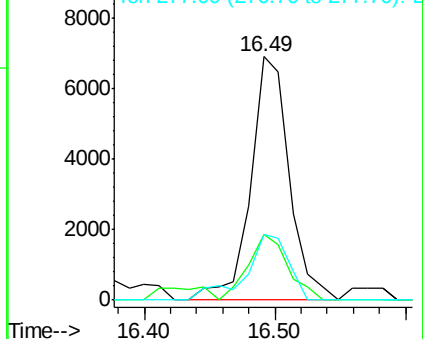
277 30.0 0.0 0.0#

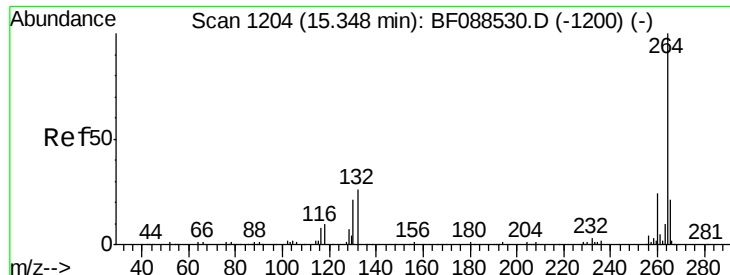


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



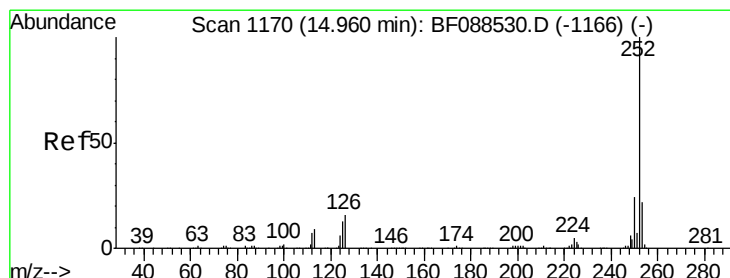
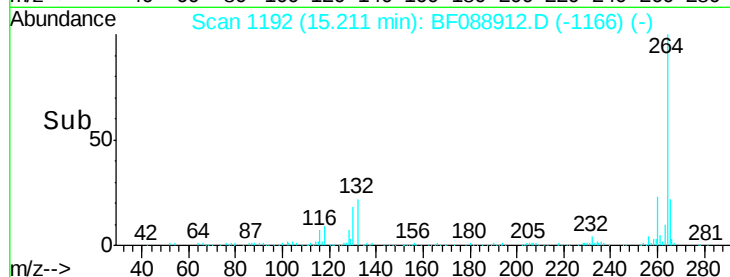
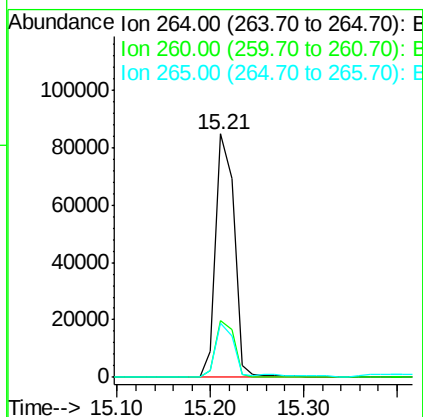
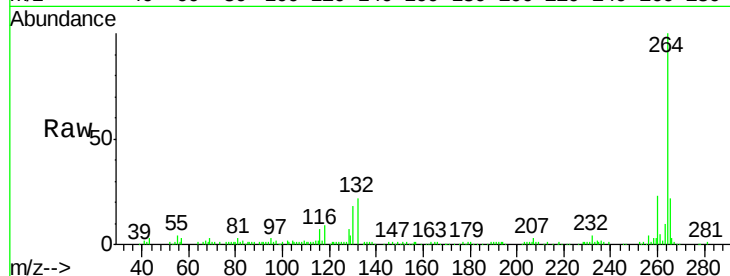


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF088912.D
Acq: 11 Jul 2016 21:22

Instrument :
BNA_F
ClientSampleId :
N8-B1(0-5)C

Tgt Ion: 264 Resp: 117242

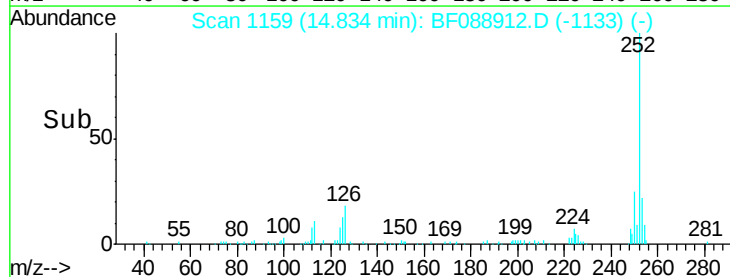
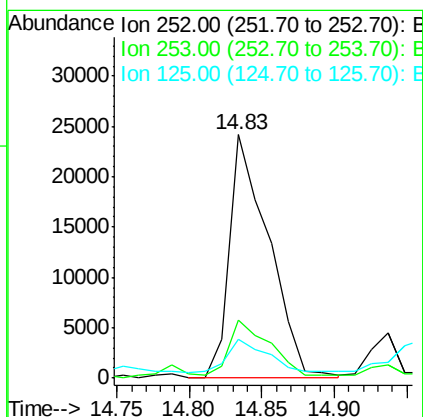
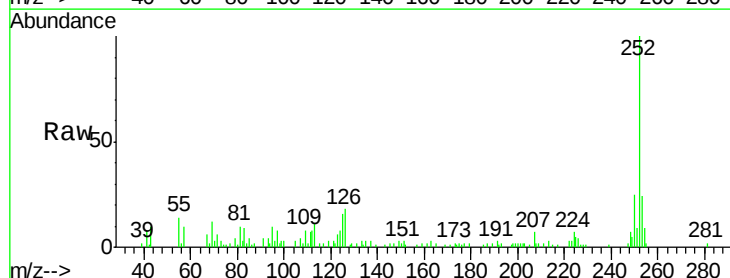
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.0	16.9	25.3

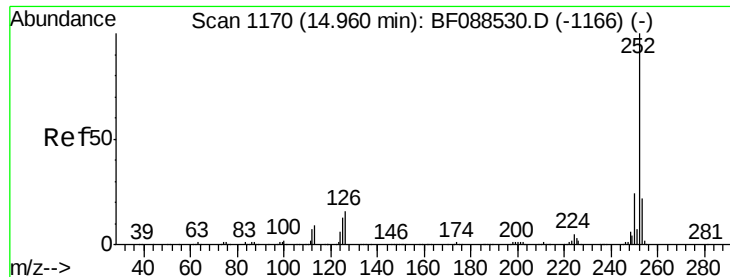


#87
Benzo(b)fluoranthene
Concen: 6.18 ng
RT: 14.83 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF088912.D
Acq: 11 Jul 2016 21:22

Tgt Ion: 252 Resp: 45462

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.2
125	16.0	7.1	10.7





#88

Benzo(k)fluoranthene

Concen: 7.10 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF088912.D

Acq: 11 Jul 2016 21:22

Instrument :

BNA_F

ClientSampleId :

N8-B1(0-5)C

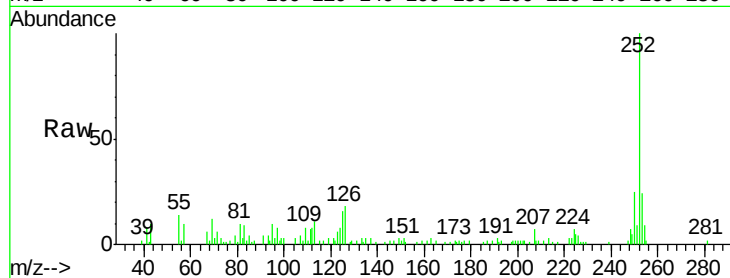
Tgt Ion:252 Resp: 45462

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

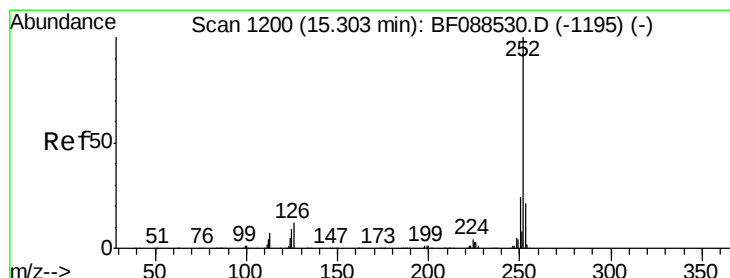
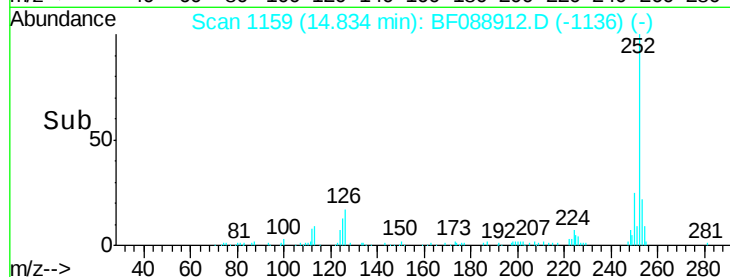
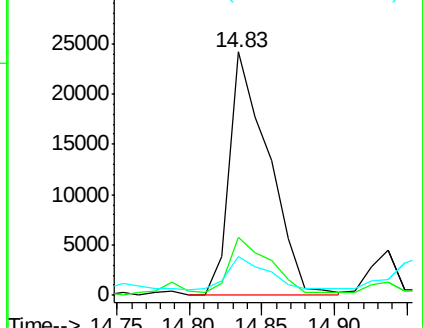
125 16.0 11.2 16.8



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



#89

Benzo(a)pyrene

Concen: 2.73 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.06 min

Lab File: BF088912.D

Acq: 11 Jul 2016 21:22

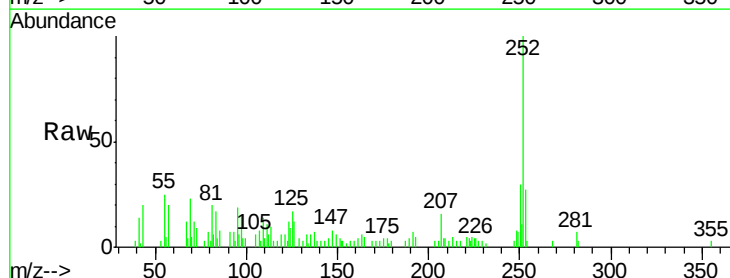
Tgt Ion:252 Resp: 17016

Ion Ratio Lower Upper

252 100

253 26.7 17.9 26.9

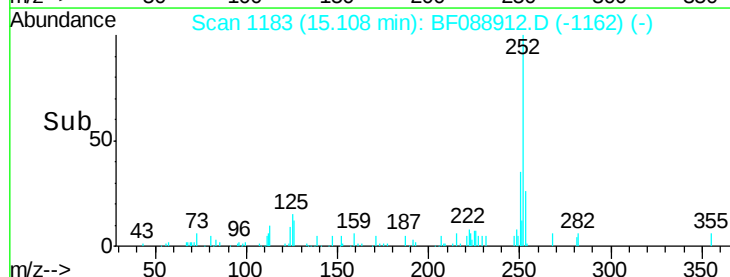
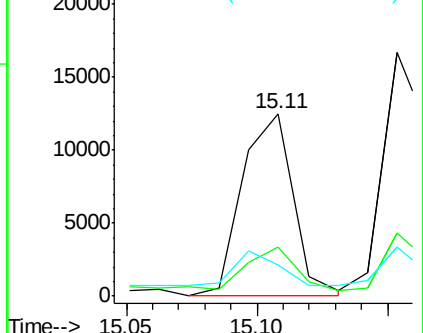
125 17.0 12.5 18.7

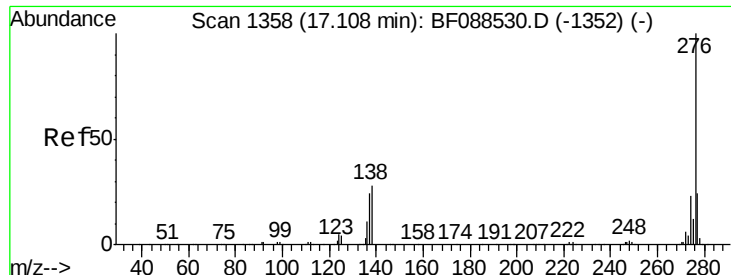


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.38 ng

RT: 16.88 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF088912.D

Acq: 11 Jul 2016 21:22

Instrument :

BNA_F

ClientSampleId :

N8-B1(0-5)C

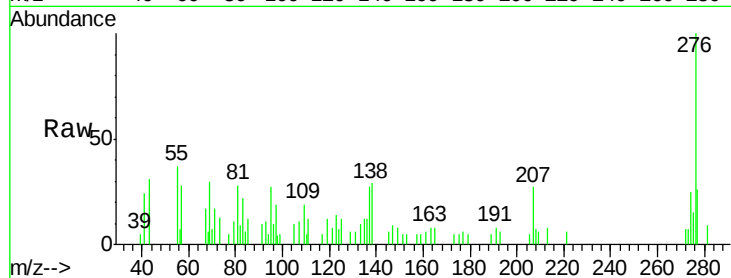
Tgt Ion: 276 Resp: 12809

Ion Ratio Lower Upper

276 100

277 25.6 18.9 28.3

138 28.8 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

