

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
 Data File : BF088916.D
 Acq On : 11 Jul 2016 23:18
 Operator : UM/SJ
 Sample : H3921-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 07-B2(0-5)C

Quant Time: Jul 12 02:08:46 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

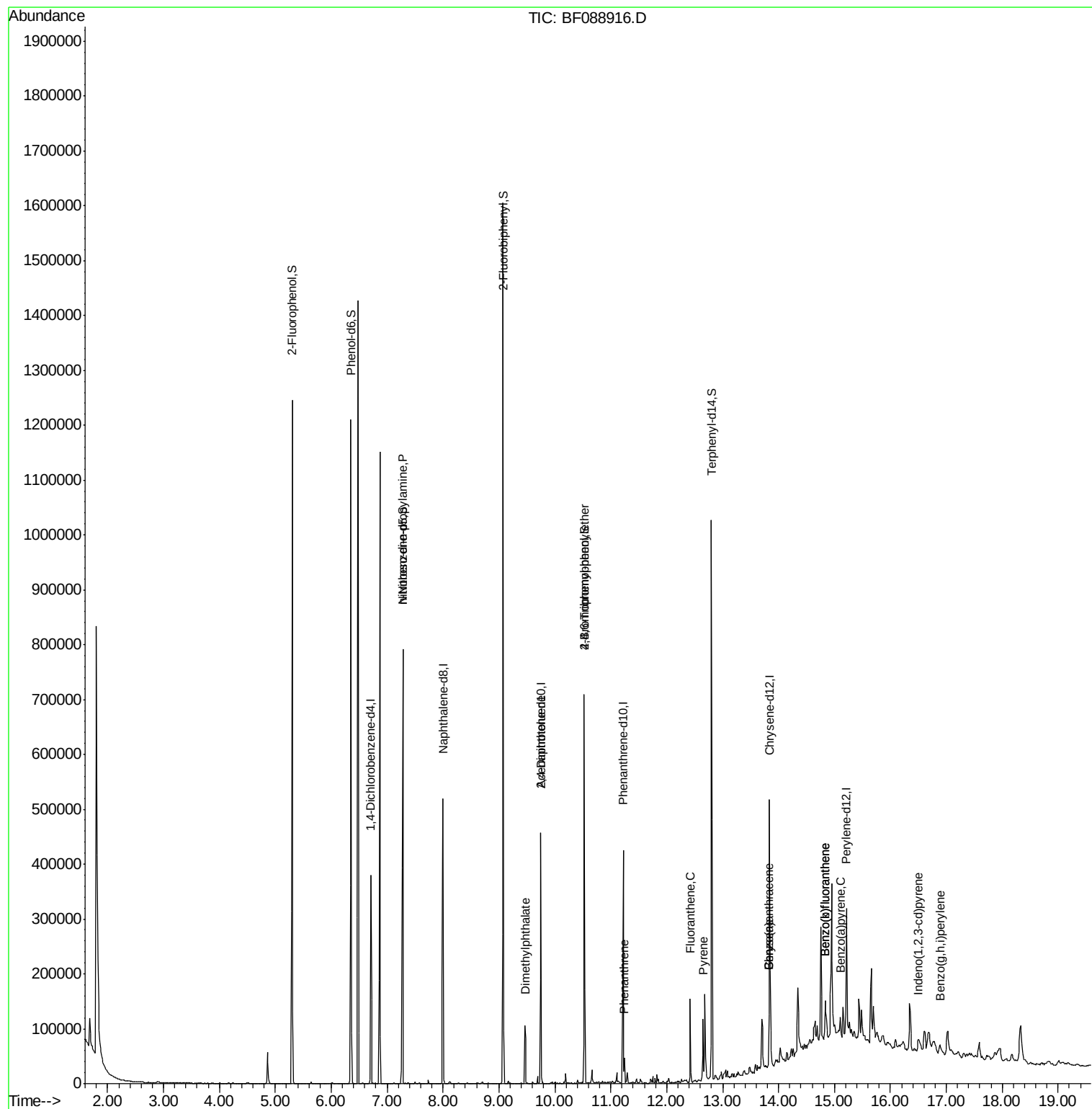
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	61260	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	246321	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	97398	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	161163	20.00	ng	0.00
75) Chrysene-d12	13.84	240	137022	20.00	ng	-0.01
86) Perylene-d12	15.21	264	114187	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	337514	82.57	ng	0.01
7) Phenol-d6	6.35	99	412996	78.20	ng	0.00
23) Nitrobenzene-d5	7.28	82	300161	63.86	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	75553	83.54	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	452176	73.33	ng	0.00
78) Terphenyl-d14	12.80	244	344282	55.96	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	39265	11.07	ng	# 67
49) Dimethylphthalate	9.47	163	60026	8.65	ng	98
56) 2,4-Dinitrotoluene	9.75	165	12479	6.21	ng	# 36
66) 4-Bromophenyl-phenylether	10.52	248	5177	3.19	ng	# 1
70) Phenanthrene	11.24	178	19241	2.18	ng	98
74) Fluoranthene	12.42	202	49760	5.57	ng	99
77) Pyrene	12.65	202	45556	3.92	ng	97
80) Benzo(a)anthracene	13.83	228	27816	3.15	ng	93
82) Chrysene	13.83	228	27816	3.19	ng	98
85) Indeno(1,2,3-cd)pyrene	16.50	276	13866	2.06	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	42360	5.91	ng	# 91
88) Benzo(k)fluoranthene	14.83	252	42360	6.79	ng	96
89) Benzo(a)pyrene	15.11	252	17271	2.85	ng	96
91) Benzo(g,h,i)perylene	16.89	276	14373	2.74	ng	93

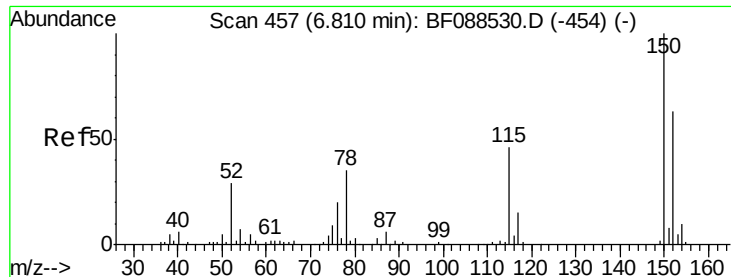
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF088916.D

Acq: 11 Jul 2016 23:18

Instrument :

BNA_F

ClientSampleId :

07-B2(0-5)C

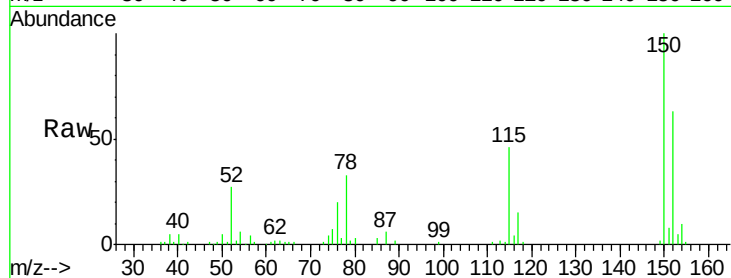
Tgt Ion:152 Resp: 61260

Ion Ratio Lower Upper

152 100

150 159.0 123.8 185.6

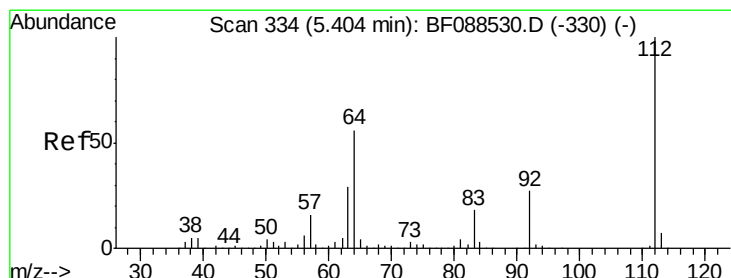
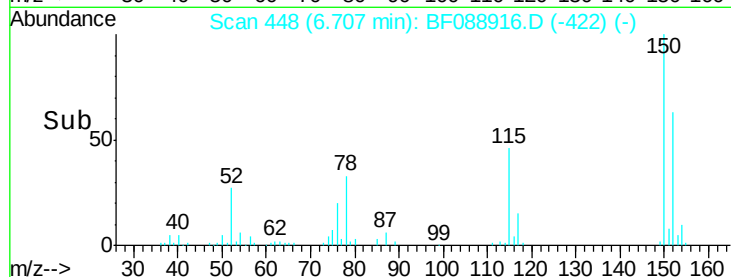
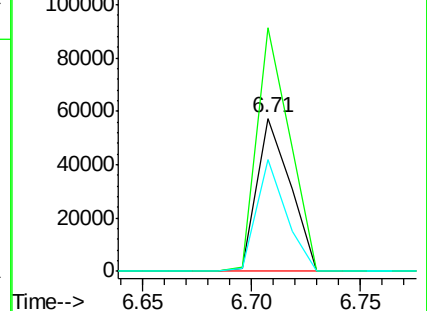
115 73.2 39.6 59.4#



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: 82.57 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088916.D

Acq: 11 Jul 2016 23:18

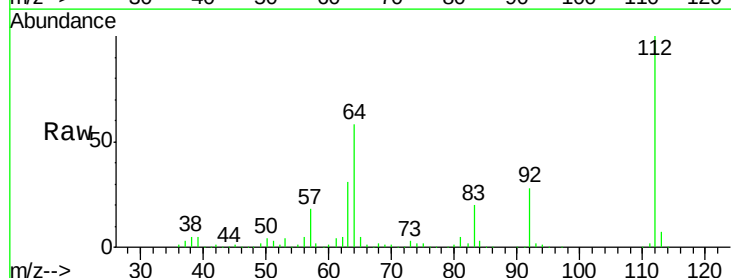
Tgt Ion:112 Resp: 337514

Ion Ratio Lower Upper

112 100

64 58.0 42.2 63.2

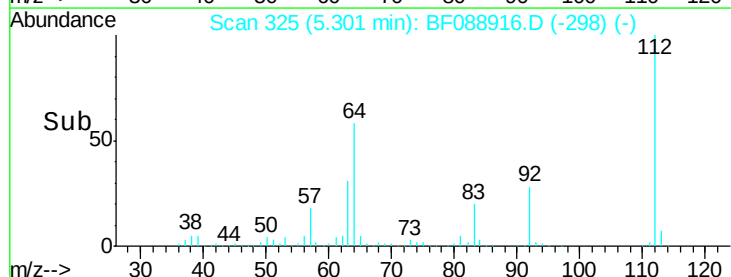
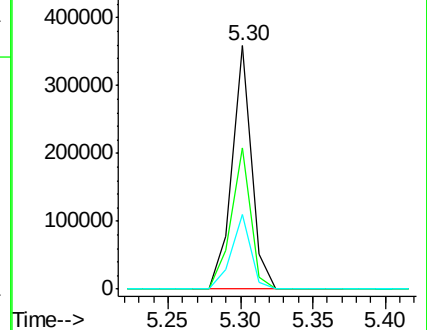
63 30.8 21.8 32.8

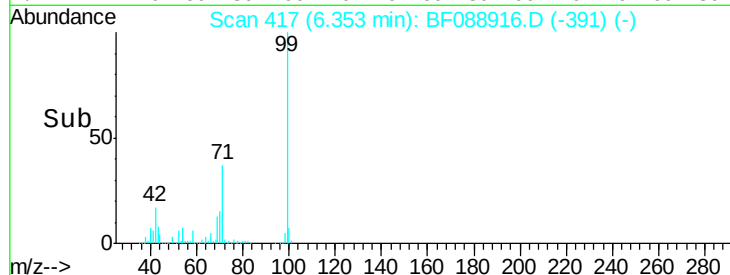
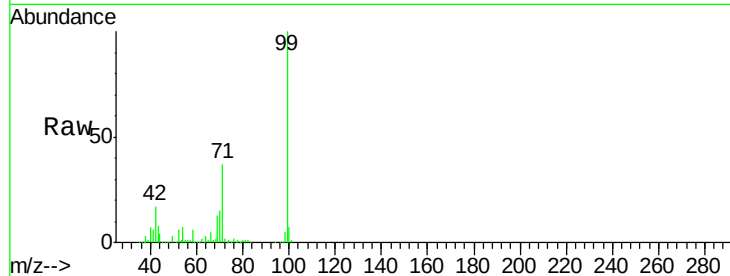
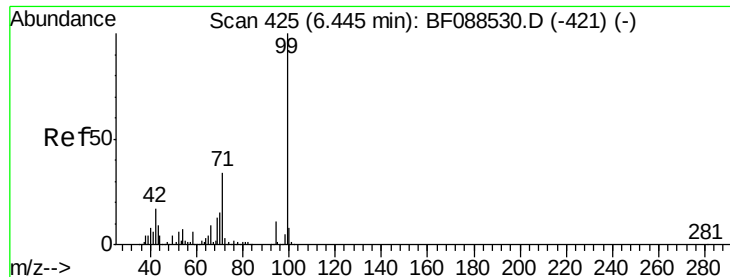


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 78.20 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088916.D

Acq: 11 Jul 2016 23:18

Instrument :

BNA_F

ClientSampleId :

07-B2(0-5)C

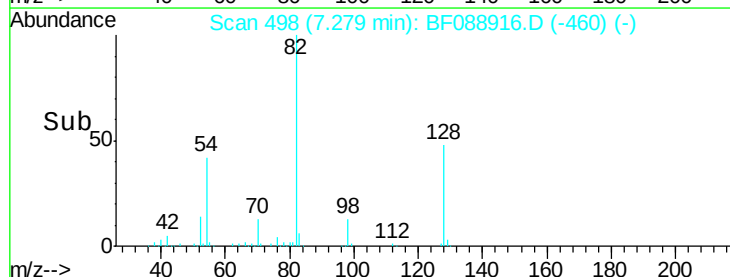
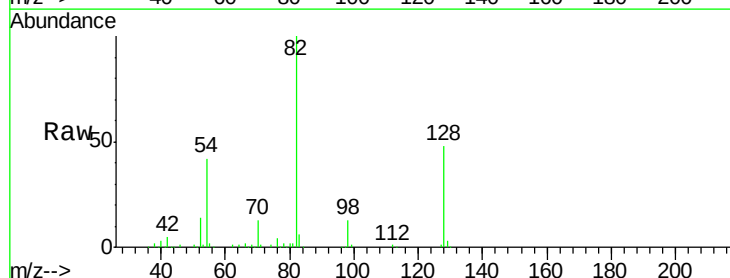
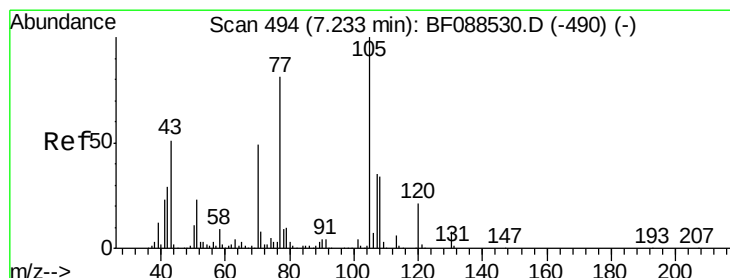
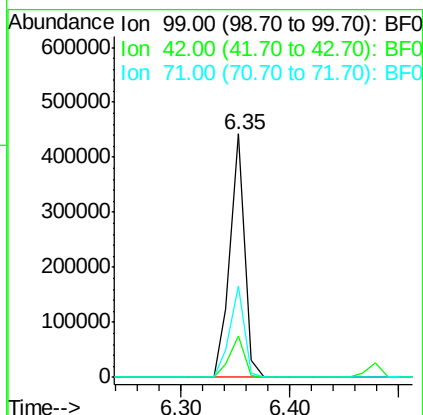
Tgt Ion: 99 Resp: 412996

Ion Ratio Lower Upper

99 100

42 16.9 12.2 18.2

71 37.4 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 11.07 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.14 min

Lab File: BF088916.D

Acq: 11 Jul 2016 23:18

Tgt Ion: 70 Resp: 39265

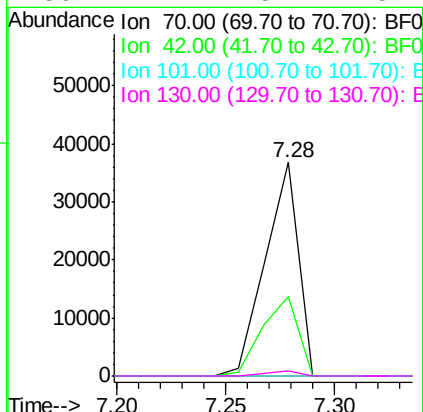
Ion Ratio Lower Upper

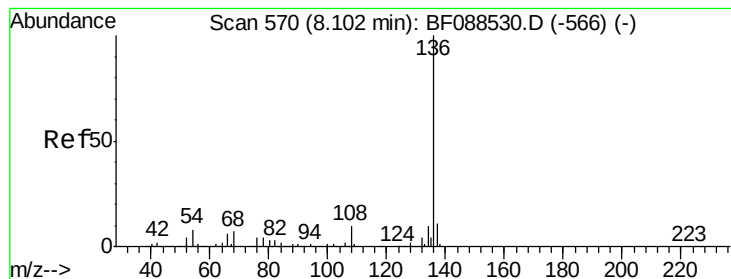
70 100

42 37.3 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: 8.00 min Scan# 561

Delta R.T. -0.00 min

Lab File: BF088916.D

Acq: 11 Jul 2016 23:18

Instrument :

BNA_F

ClientSampleId :

07-B2(0-5)C

Tgt Ion:136 Resp: 246321

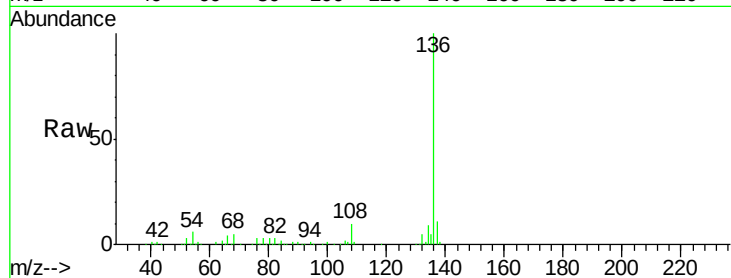
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.7 6.6 10.0#

68 4.7 5.1 7.7#

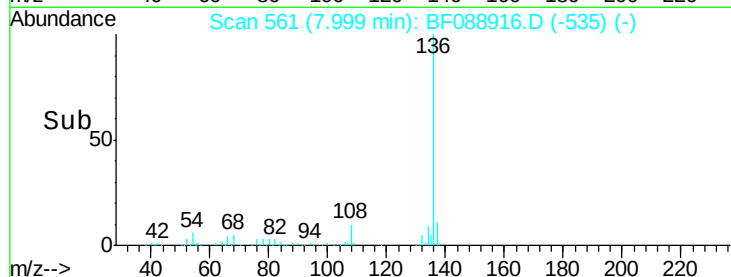


Abundance Ion 136.00 (135.70 to 136.70): E

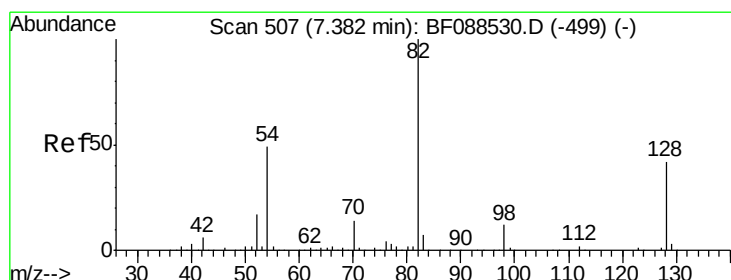
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 63.86 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF088916.D

Acq: 11 Jul 2016 23:18

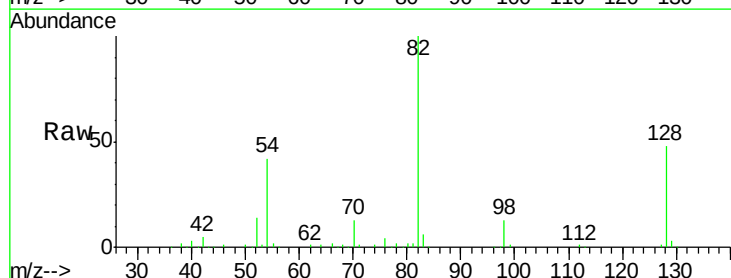
Tgt Ion: 82 Resp: 300161

Ion Ratio Lower Upper

82 100

128 48.1 35.9 53.9

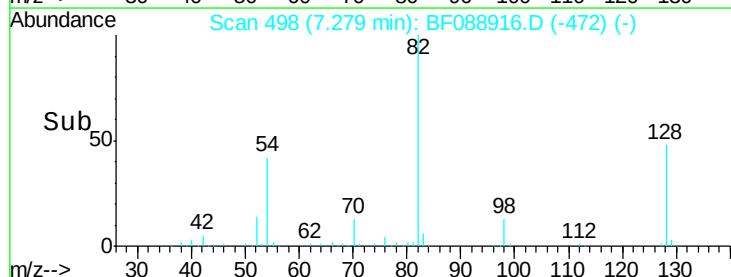
54 41.5 40.9 61.3



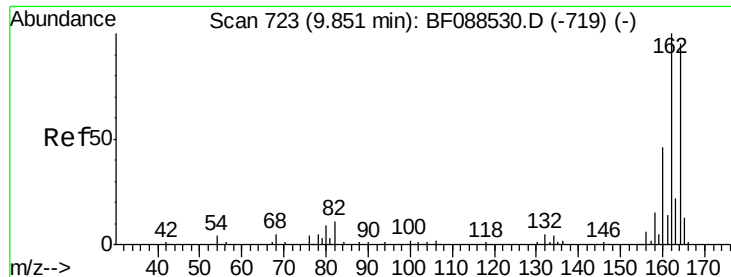
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



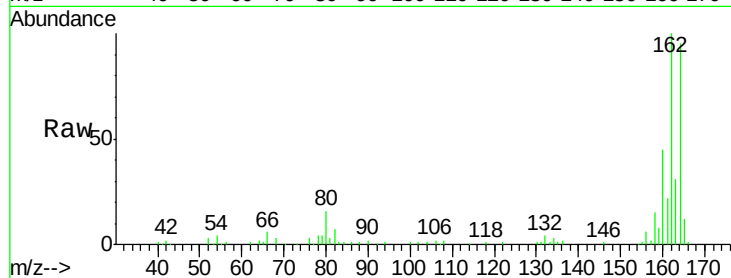
Time-->



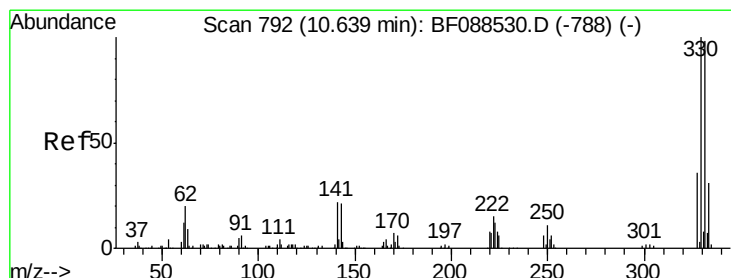
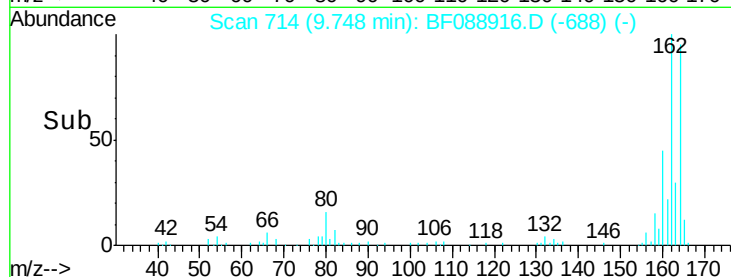
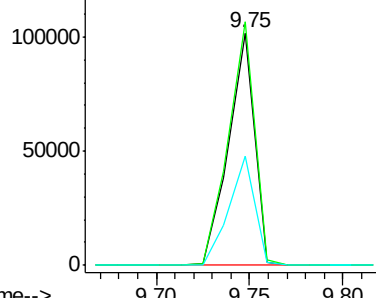
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: BF088916.D
 Acq: 11 Jul 2016 23:18

Instrument :
 BNA_F
 ClientSampleId :
 07-B2(0-5)C

Tgt Ion:164 Resp: 97398
 Ion Ratio Lower Upper
 164 100
 162 104.9 85.4 128.2
 160 47.3 39.5 59.3

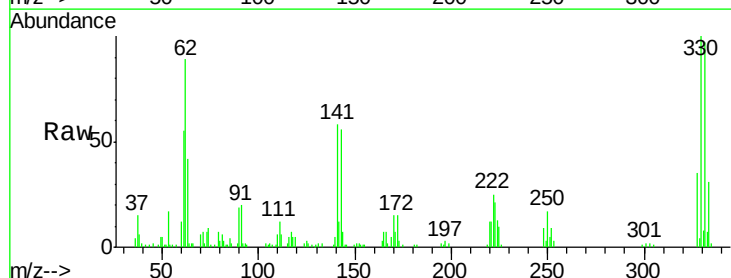


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

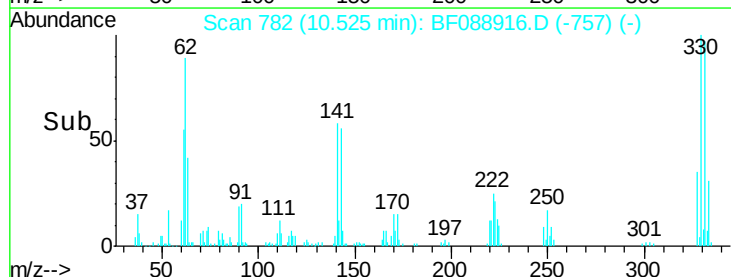
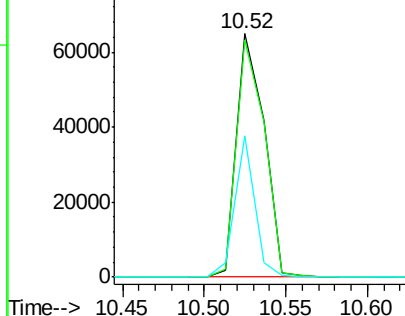


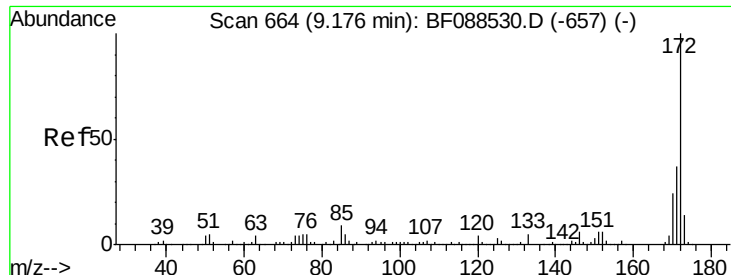
#41
 2,4,6-Tribromophenol
 Concen: 83.54 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088916.D
 Acq: 11 Jul 2016 23:18

Tgt Ion:330 Resp: 75553
 Ion Ratio Lower Upper
 330 100
 332 98.2 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

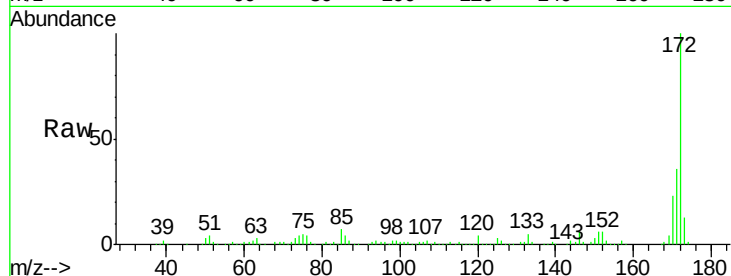




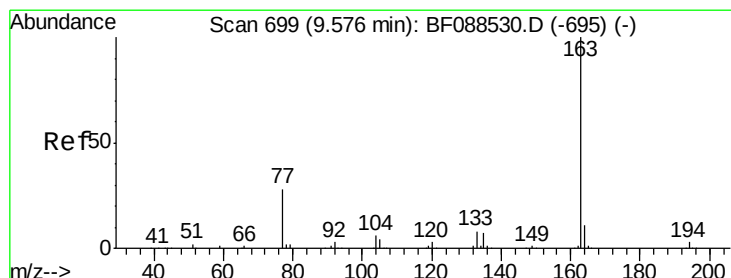
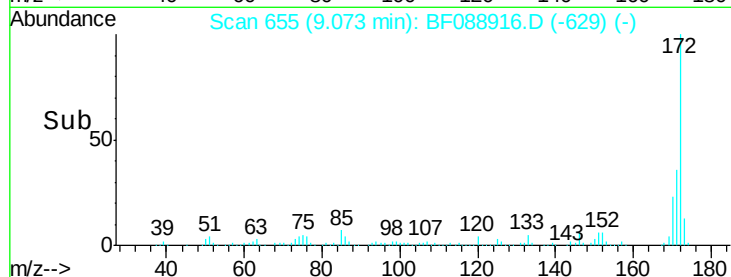
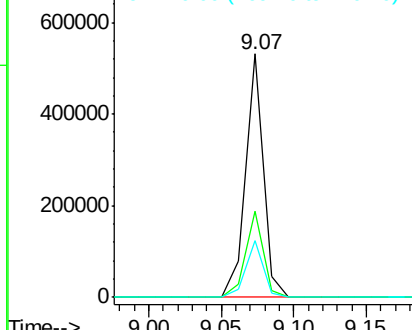
#44
2-Fluorobiphenyl
Concen: 73.33 ng
RT: 9.07 min Scan# 655
Delta R.T. -0.00 min
Lab File: BF088916.D
Acq: 11 Jul 2016 23:18

Instrument :
BNA_F
ClientSampleId :
07-B2(0-5)C

Tgt Ion:172 Resp: 452176
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.3 19.2 28.8

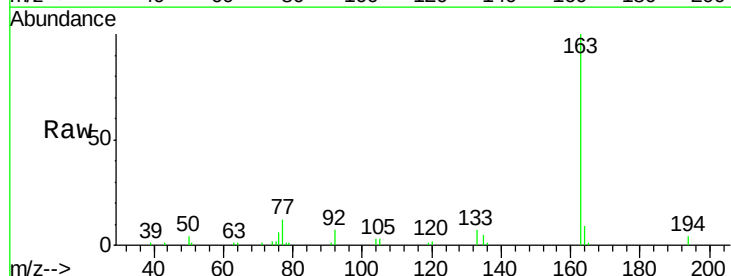


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

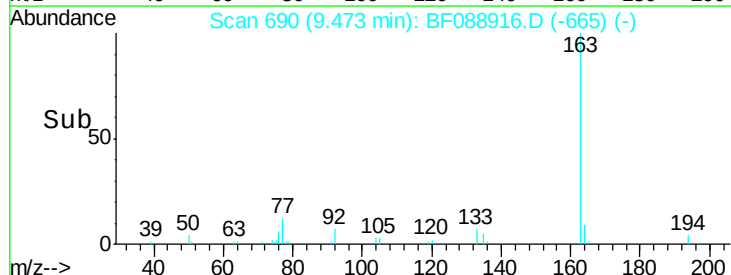
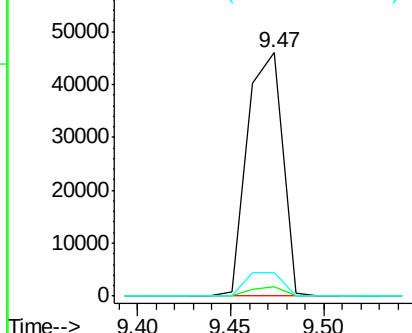


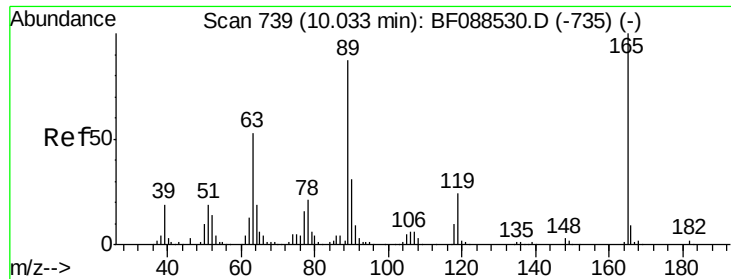
#49
Dimethylphthalate
Concen: 8.65 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF088916.D
Acq: 11 Jul 2016 23:18

Tgt Ion:163 Resp: 60026
Ion Ratio Lower Upper
163 100
194 3.9 2.8 4.2
164 9.4 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

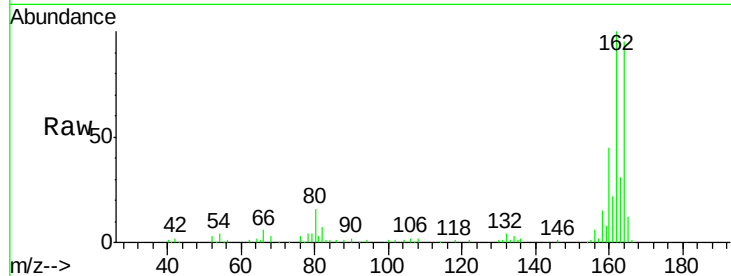




#56
 2,4-Dinitrotoluene
 Concen: 6.21 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.19 min
 Lab File: BF088916.D
 Acq: 11 Jul 2016 23:18

Instrument :
 BNA_F
 ClientSampleId :
 07-B2(0-5)C

Tgt Ion:	165	Resp:	12479
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#

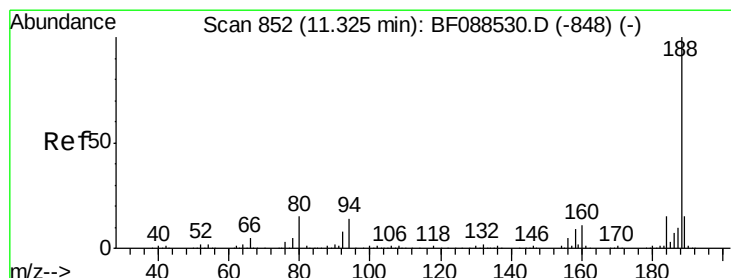
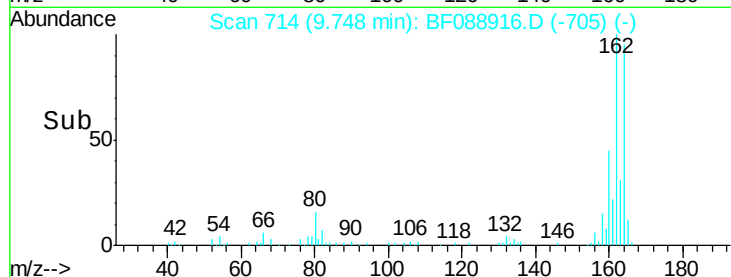
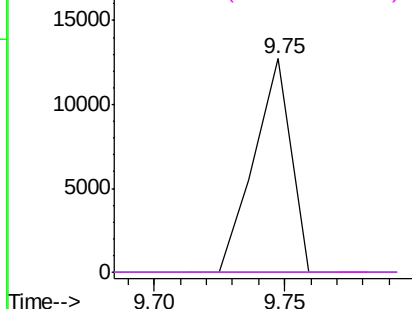


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

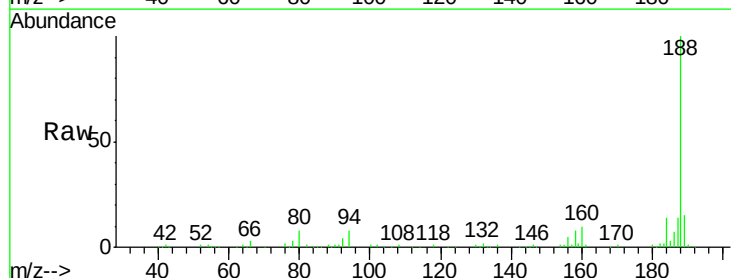
Ion 89.00 (88.70 to 89.70): BF0

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: BF088916.D
 Acq: 11 Jul 2016 23:18

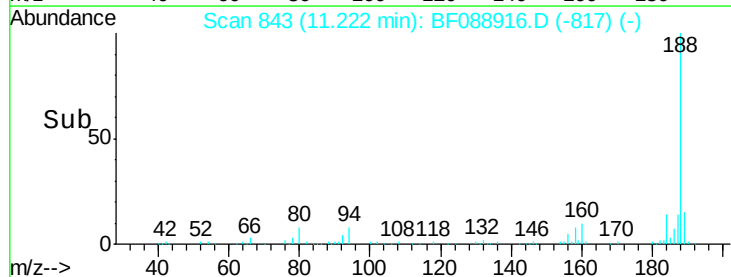
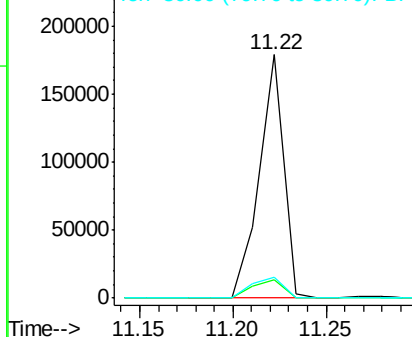
Tgt Ion:	188	Resp:	161163
Ion	Ratio	Lower	Upper
188	100		
94	7.6	9.0	13.6#
80	8.4	10.0	15.0#

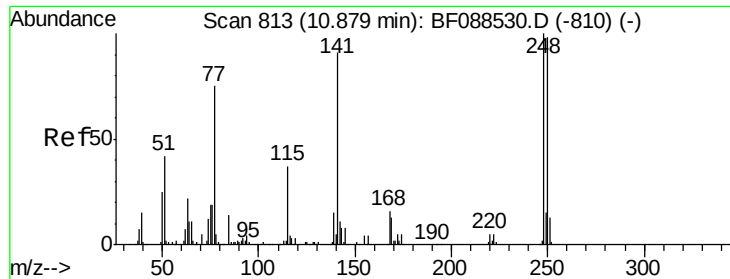


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

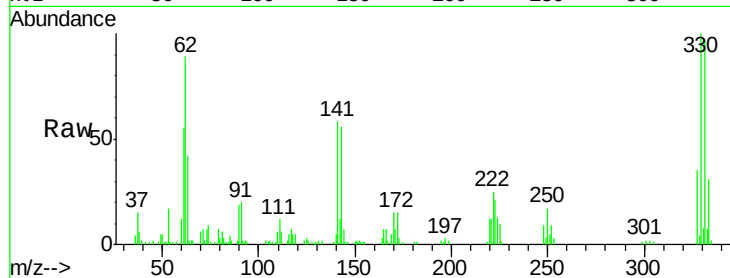




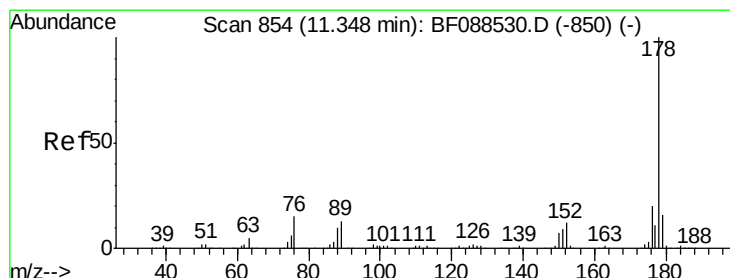
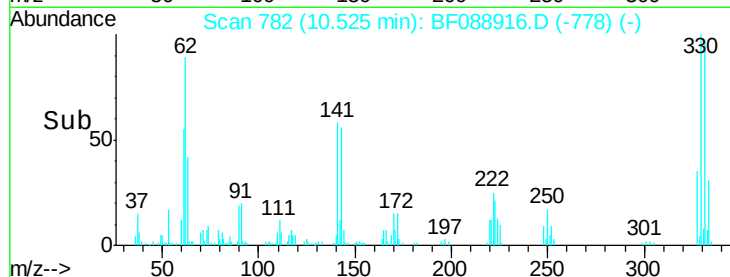
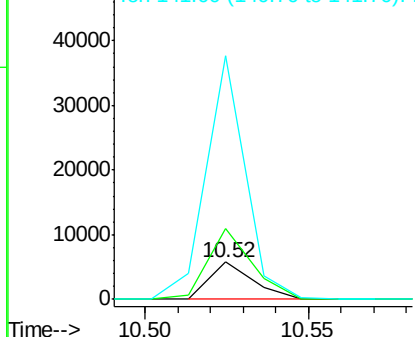
#66
 4-Bromophenyl-phenylether
 Concen: 3.19 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.25 min
 Lab File: BF088916.D
 Acq: 11 Jul 2016 23:18

Instrument :
 BNA_F
 ClientSampleId :
 07-B2(0-5)C

Tgt Ion:248 Resp: 5177
 Ion Ratio Lower Upper
 248 100
 250 191.7 77.1 115.7#
 141 654.9 50.6 76.0#

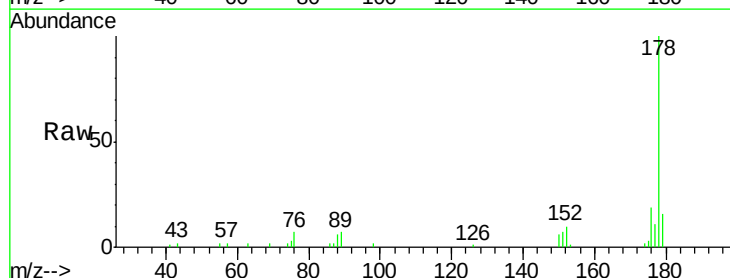


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

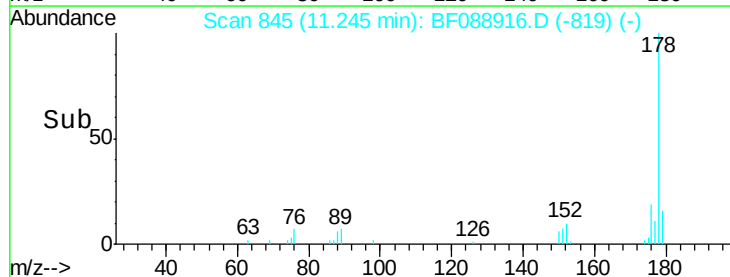
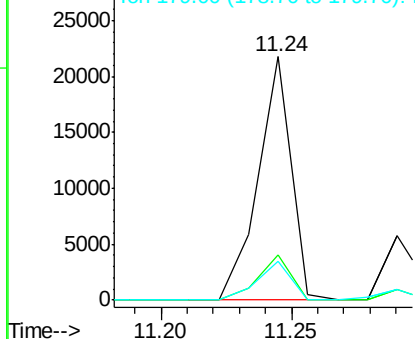


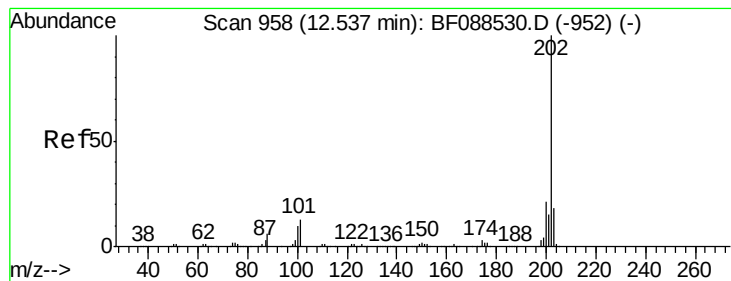
#70
 Phenanthrene
 Concen: 2.18 ng
 RT: 11.24 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: BF088916.D
 Acq: 11 Jul 2016 23:18

Tgt Ion:178 Resp: 19241
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.6
 179 15.8 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: 5.57 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF088916.D

Acq: 11 Jul 2016 23:18

Instrument :

BNA_F

ClientSampleId :

07-B2(0-5)C

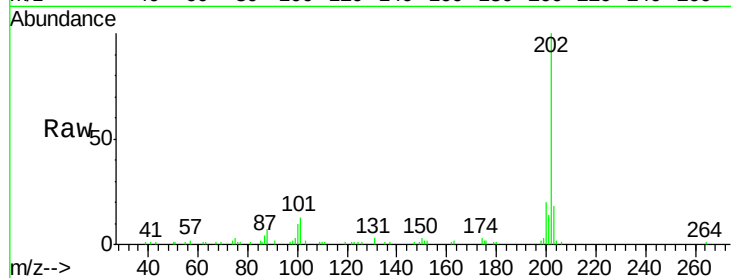
Tgt Ion:202 Resp: 49760

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.1

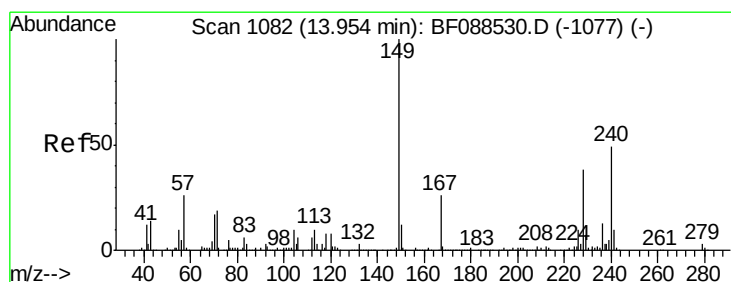
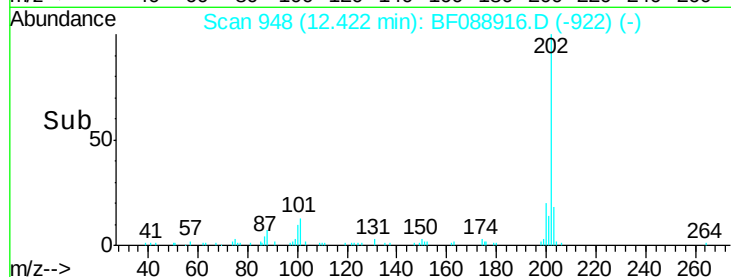
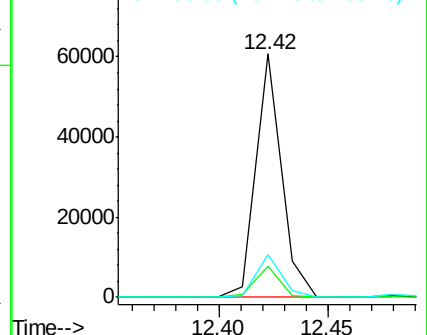
203 17.5 0.0 38.1



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: BF088916.D

Acq: 11 Jul 2016 23:18

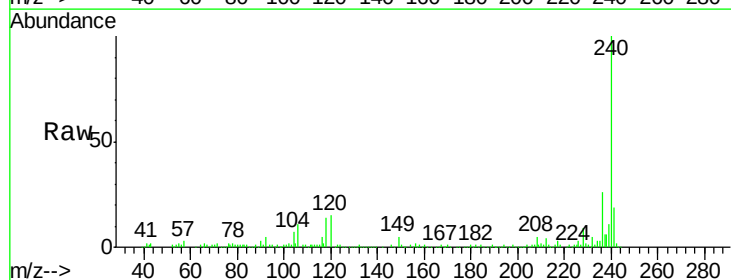
Tgt Ion:240 Resp: 137022

Ion Ratio Lower Upper

240 100

120 15.0 6.8 10.2#

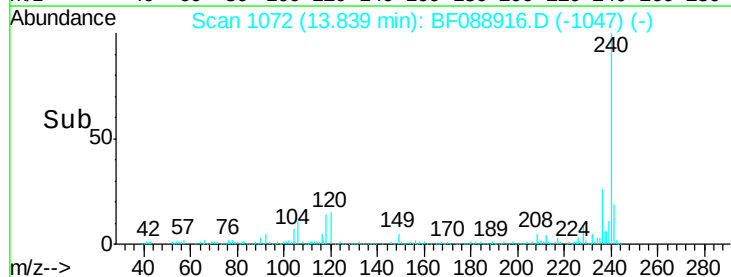
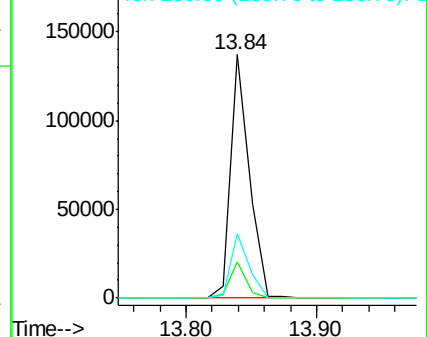
236 26.4 20.2 30.2

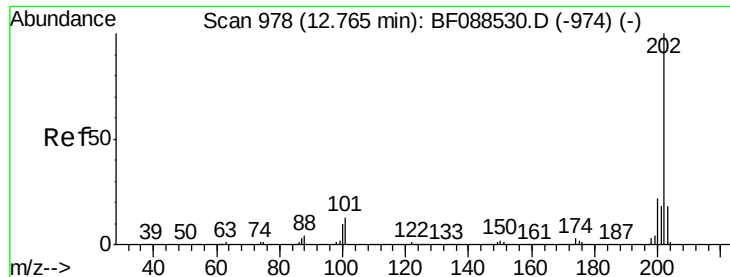


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

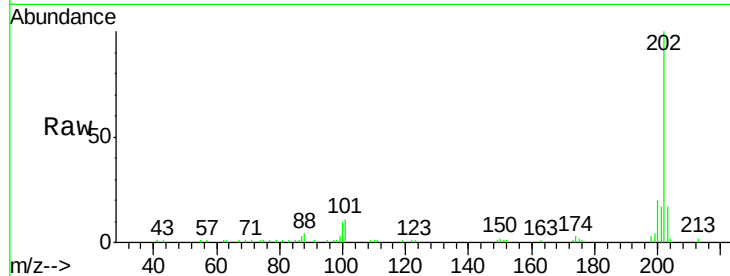




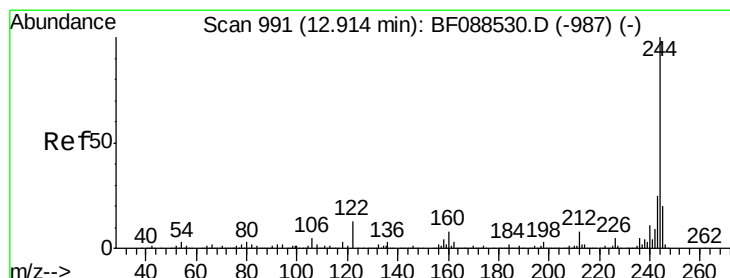
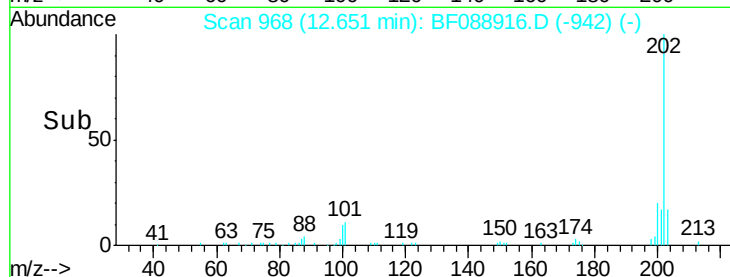
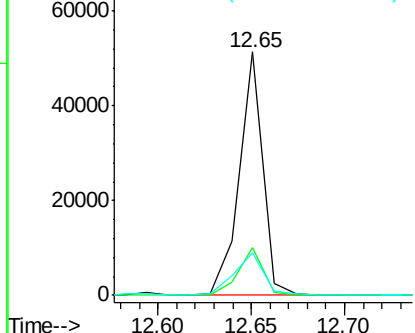
#77
 Pyrene
 Concen: 3.92 ng
 RT: 12.65 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: BF088916.D
 Acq: 11 Jul 2016 23:18

Instrument :
 BNA_F
 ClientSampleId :
 07-B2(0-5)C

Tgt Ion: 202 Resp: 45556
 Ion Ratio Lower Upper
 202 100
 200 19.7 17.4 26.2
 203 17.4 14.5 21.7

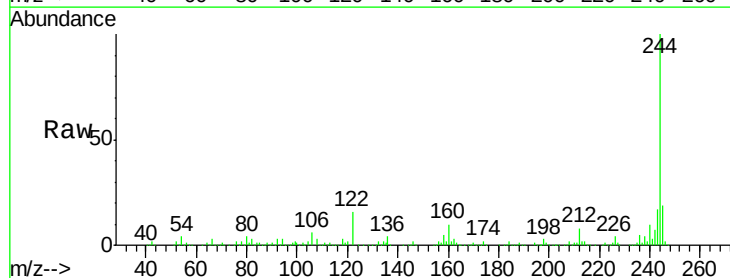


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

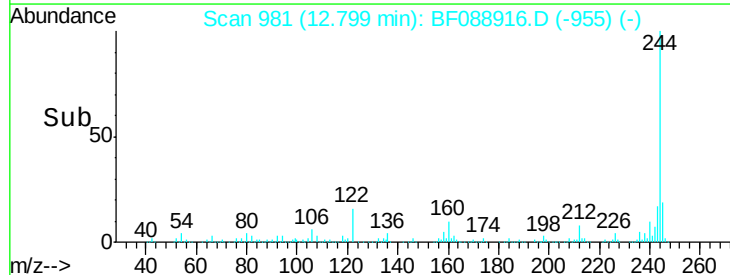
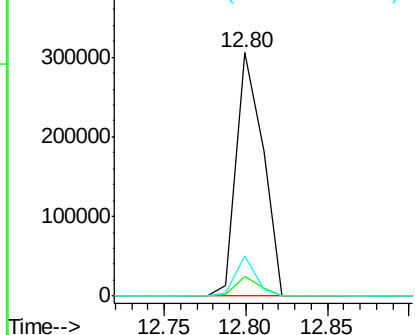


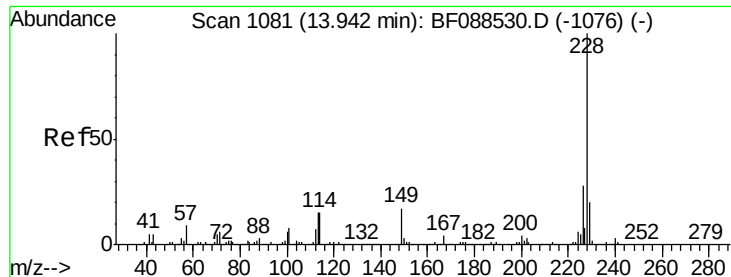
#78
 Terphenyl-d14
 Concen: 55.96 ng
 RT: 12.80 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BF088916.D
 Acq: 11 Jul 2016 23:18

Tgt Ion: 244 Resp: 344282
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.0 9.0
 122 16.4 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

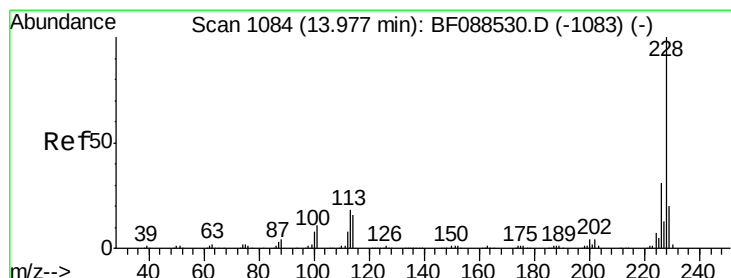
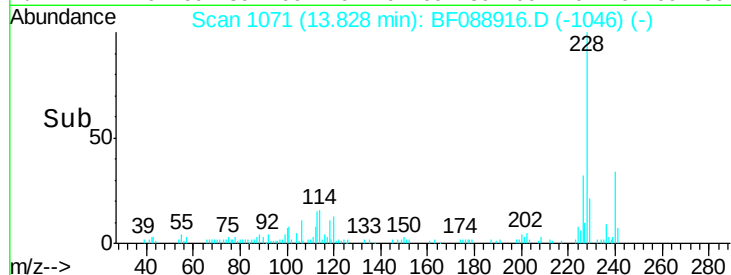
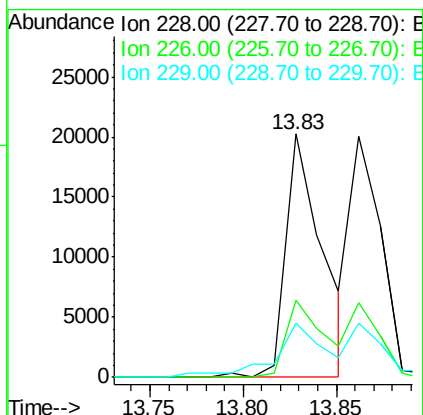
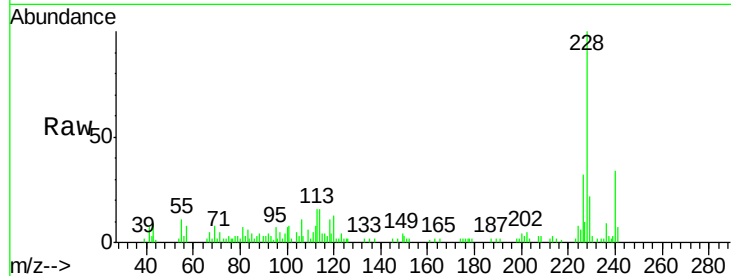




#80
Benzo(a)anthracene
Concen: 3.15 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF088916.D
Acq: 11 Jul 2016 23:18

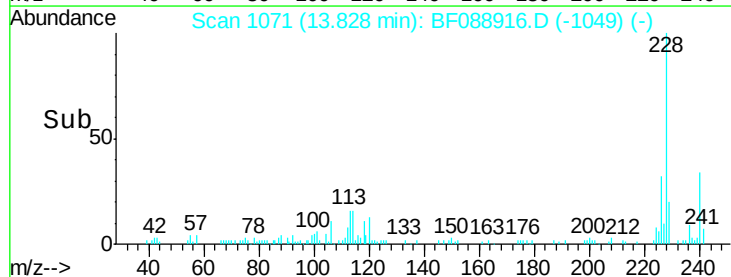
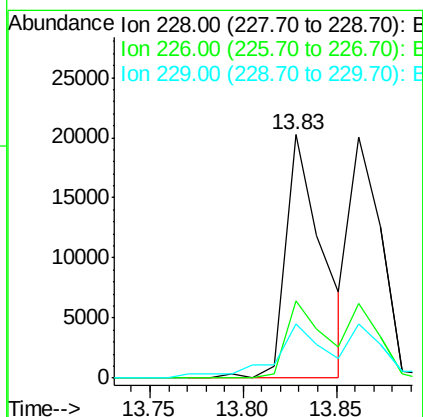
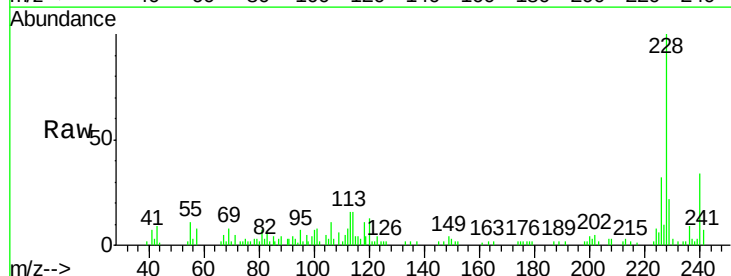
Instrument :
BNA_F
ClientSampleId :
07-B2(0-5)C

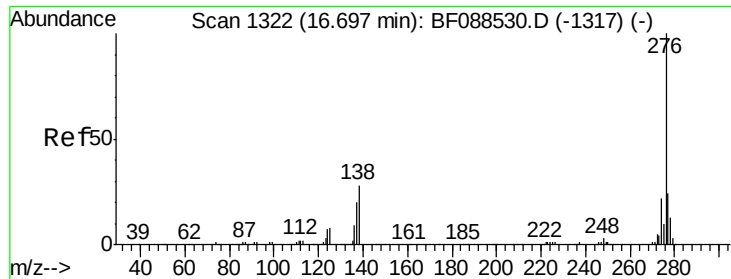
Tgt Ion: 228 Resp: 27816
Ion Ratio Lower Upper
228 100
226 31.7 22.3 33.5
229 22.5 16.0 24.0



#82
Chrysene
Concen: 3.19 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.05 min
Lab File: BF088916.D
Acq: 11 Jul 2016 23:18

Tgt Ion: 228 Resp: 27816
Ion Ratio Lower Upper
228 100
226 31.7 25.4 38.2
229 22.5 16.3 24.5

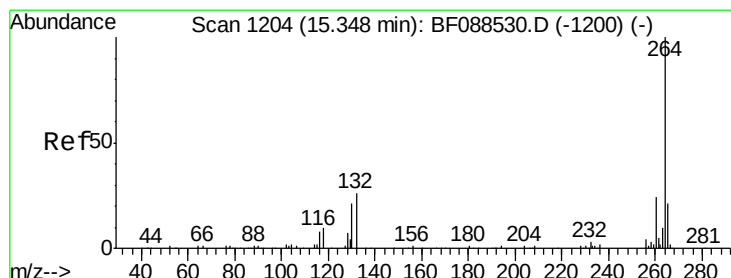
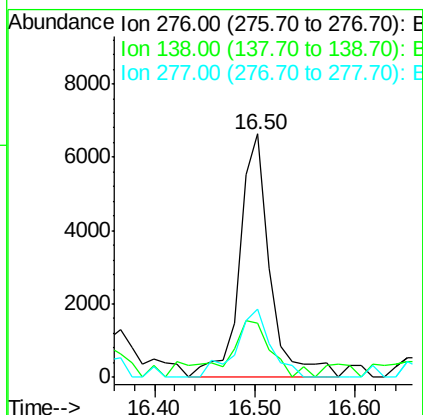
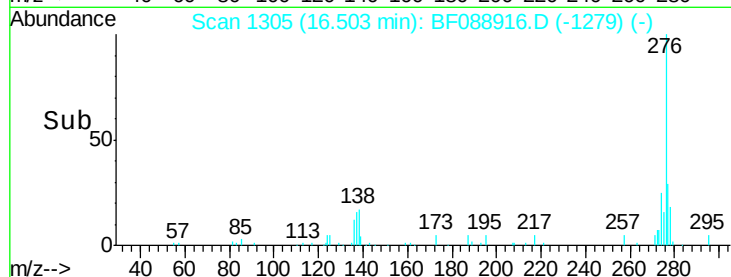
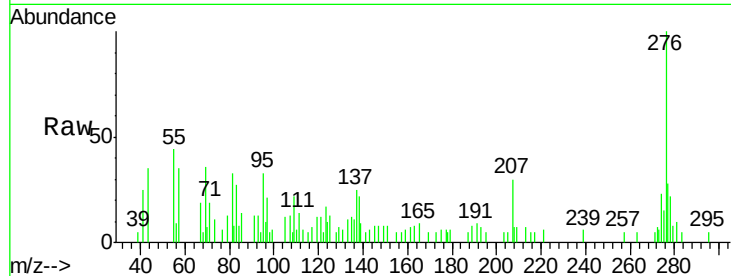




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.06 ng
 RT: 16.50 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: BF088916.D
 Acq: 11 Jul 2016 23:18

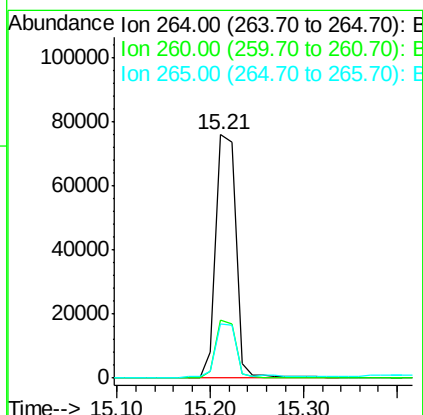
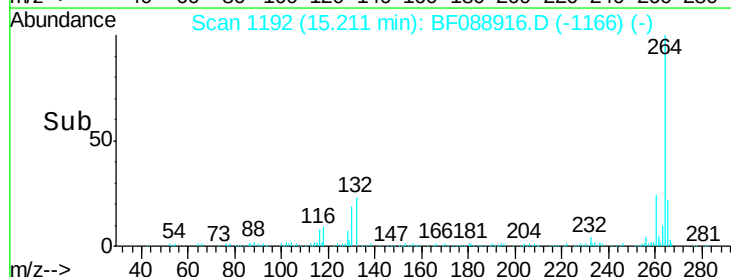
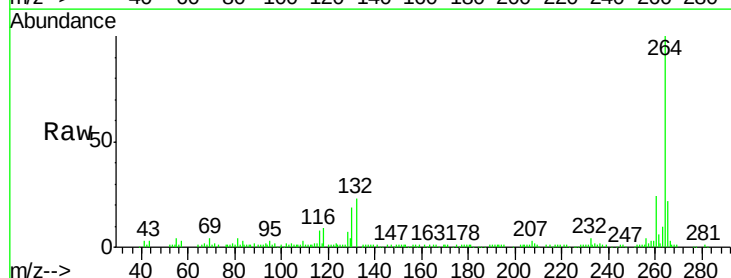
Instrument :
 BNA_F
 ClientSampleId :
 07-B2(0-5)C

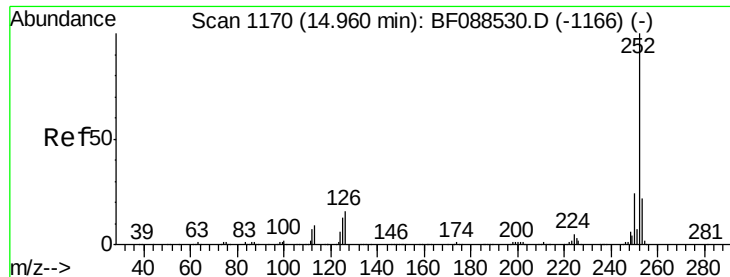
Tgt Ion:276 Resp: 13866
 Ion Ratio Lower Upper
 276 100
 138 29.7 0.0 0.0#
 277 31.9 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BF088916.D
 Acq: 11 Jul 2016 23:18

Tgt Ion:264 Resp: 114187
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 22.2 16.9 25.3

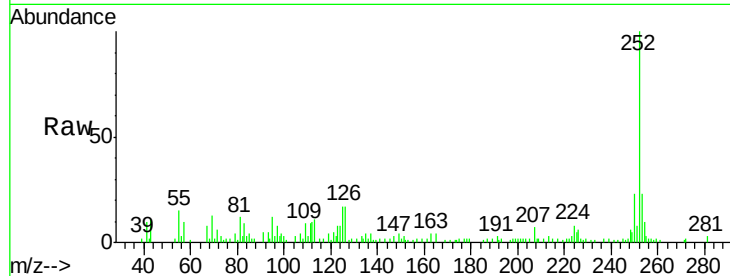




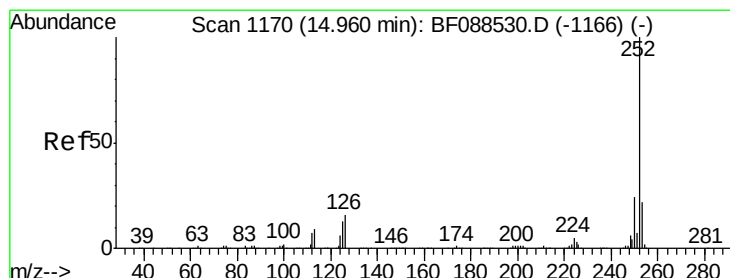
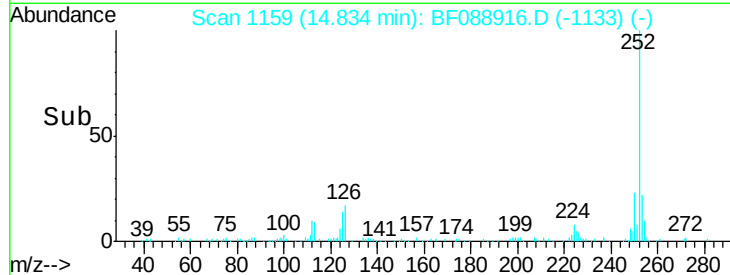
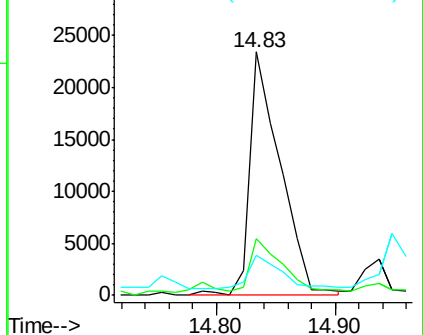
#87
Benzo(b)fluoranthene
Concen: 5.91 ng
RT: 14.83 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BF088916.D
Acq: 11 Jul 2016 23:18

Instrument :
BNA_F
ClientSampleId :
07-B2(0-5)C

Tgt Ion:252 Resp: 42360
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 16.7 7.1 10.7#

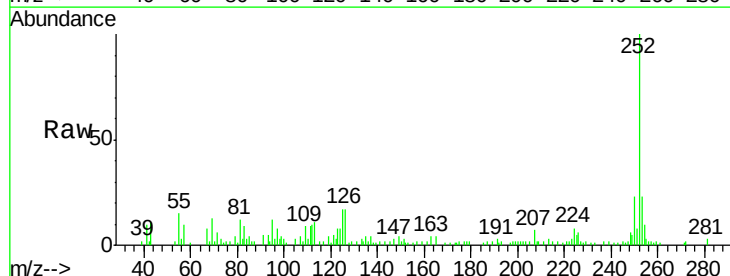


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

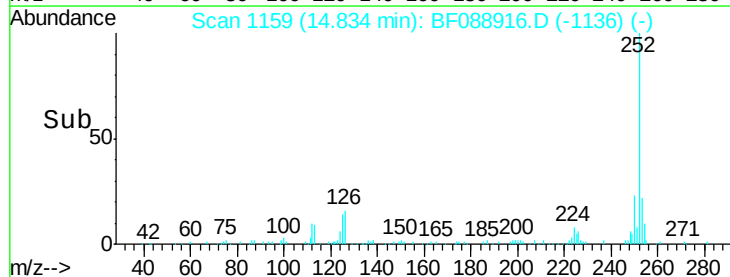
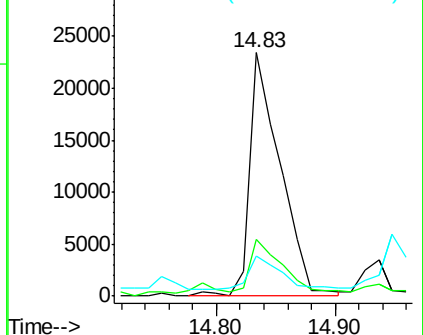


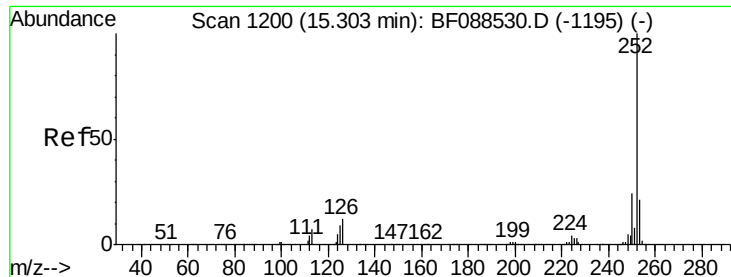
#88
Benzo(k)fluoranthene
Concen: 6.79 ng
RT: 14.83 min Scan# 1159
Delta R.T. -0.03 min
Lab File: BF088916.D
Acq: 11 Jul 2016 23:18

Tgt Ion:252 Resp: 42360
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 16.7 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: 2.85 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.06 min

Lab File: BF088916.D

Acq: 11 Jul 2016 23:18

Instrument :

BNA_F

ClientSampleId :

07-B2(0-5)C

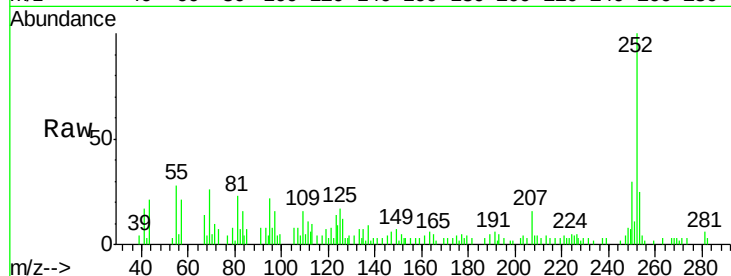
Tgt Ion:252 Resp: 17271

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

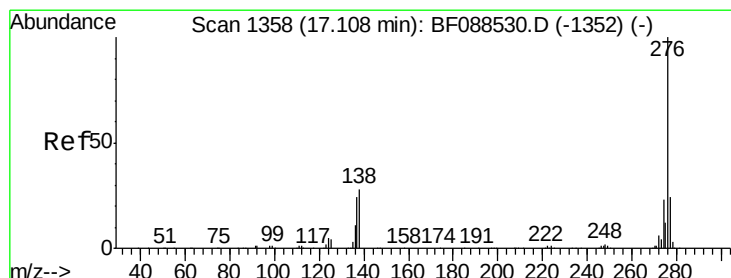
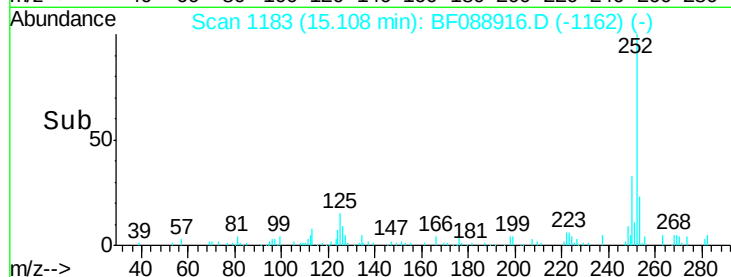
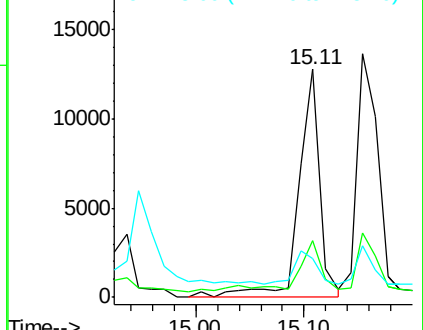
125 16.9 12.5 18.7



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: 2.74 ng

RT: 16.89 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BF088916.D

Acq: 11 Jul 2016 23:18

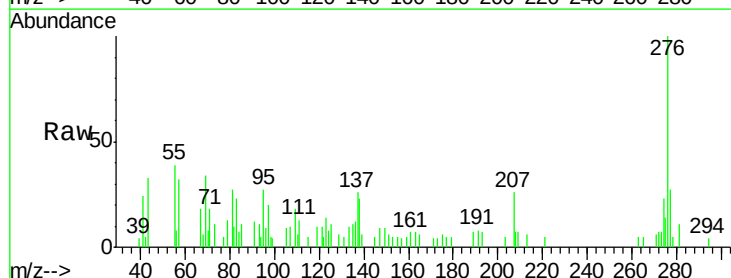
Tgt Ion:276 Resp: 14373

Ion Ratio Lower Upper

276 100

277 26.7 18.9 28.3

138 23.1 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

