

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061316\
 Data File : BF087989.D
 Acq On : 13 Jun 2016 18:08
 Operator : UM/SJ
 Sample : H3419-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T6-B1(0-12)C

Quant Time: Jun 14 02:28:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	114687	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	439640	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	206267	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	311400	20.00	ng	0.00
75) Chrysene-d12	13.95	240	259326	20.00	ng	0.00
86) Perylene-d12	15.37	264	209747	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	744019	110.90	ng	0.01
7) Phenol-d6	6.43	99	821253	101.01	ng	0.00
23) Nitrobenzene-d5	7.36	82	483021	64.16	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	181599	83.38	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	912716	68.43	ng	0.00
78) Terphenyl-d14	12.90	244	594039	52.13	ng	0.00

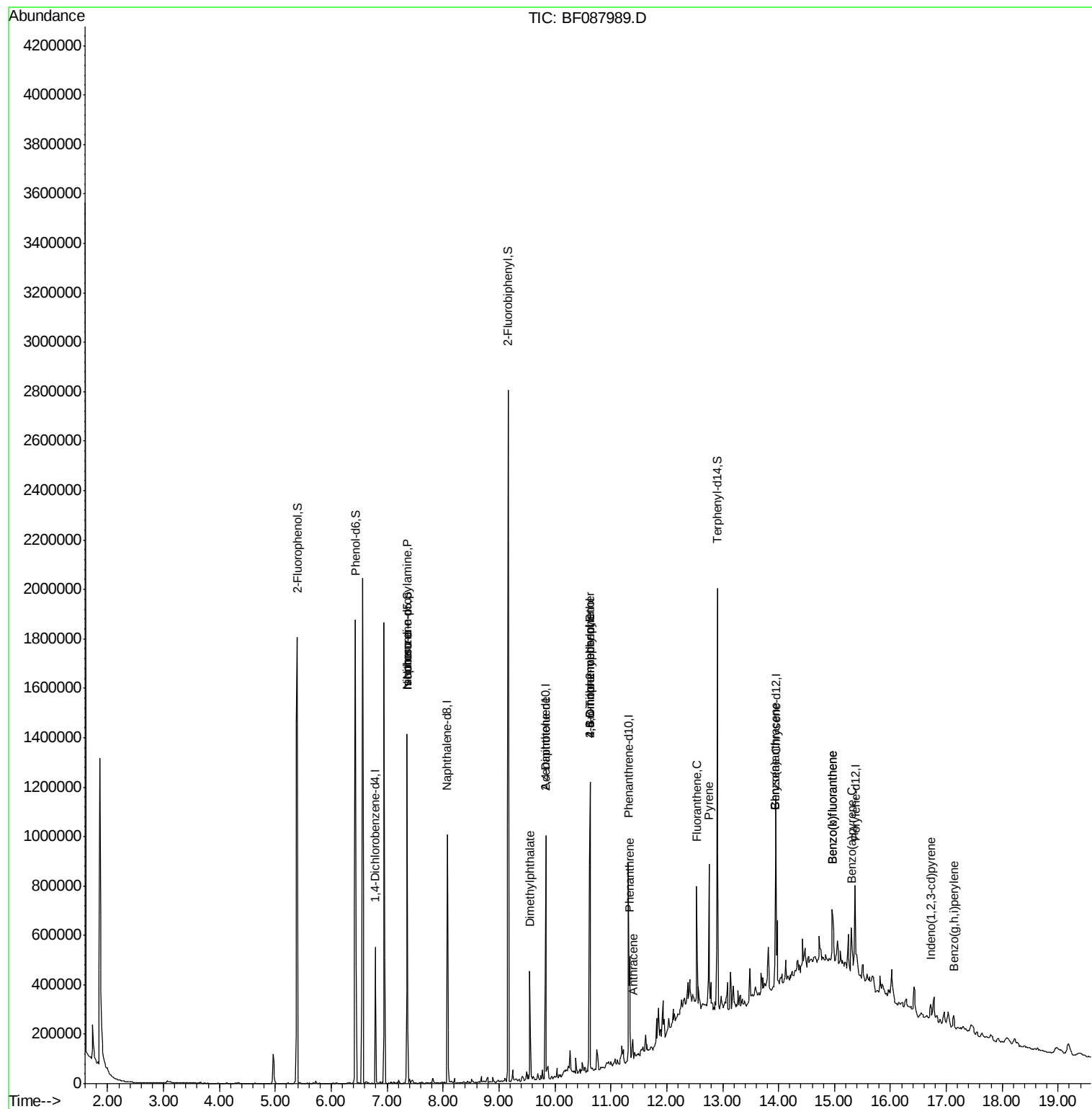
Target Compounds				Qvalue		
10) Phenol	6.44	94	9349	Below Cal	#	36
19) n-Nitroso-di-n-propylamine	7.36	70	63451	12.20	ng	73
25) Isophorone	7.36	82	389308	27.92	ng	65
45) 1,1'-Biphenyl	9.26	154	3530	Below Cal		94
49) Dimethylphthalate	9.55	163	190228	12.73	ng	100
56) 2,4-Dinitrotoluene	9.84	165	27715	6.30	ng	38
57) Fluorene	10.38	166	15128	Below Cal	#	94
64) 4,6-Dinitro-2-methylphenol	10.63	198	287	2.30	ng	1
66) 4-Bromophenyl-phenylether	10.63	248	12275	3.67	ng	1
70) Phenanthrene	11.34	178	157366	9.63	ng	99
71) Anthracene	11.39	178	35066	2.13	ng	98
74) Fluoranthene	12.54	202	210828	12.23	ng	97
77) Pyrene	12.75	202	231750	12.04	ng	99
80) Benzo(a)anthracene	13.94	228	112108	7.59	ng	98
82) Chrysene	13.94	228	112108	8.06	ng	95
85) Indeno(1,2,3-cd)pyrene	16.72	276	38464	2.98	ng	100
87) Benzo(b)fluoranthene	14.96	252	149655	10.24	ng	85
88) Benzo(k)fluoranthene	14.96	252	149655	13.57	ng	90
89) Benzo(a)pyrene	15.30	252	78797	6.66	ng	93
91) Benzo(g,h,i)perylene	17.13	276	40043	3.54	ng	95

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061316\
Data File : BF087989.D
Acq On : 13 Jun 2016 18:08
Operator : UM/SJ
Sample : H3419-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Quant Time: Jun 14 02:28:12 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 14:10:49 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.00 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

Instrument :

BNA_F

ClientSampleId :

T6-B1(0-12)C

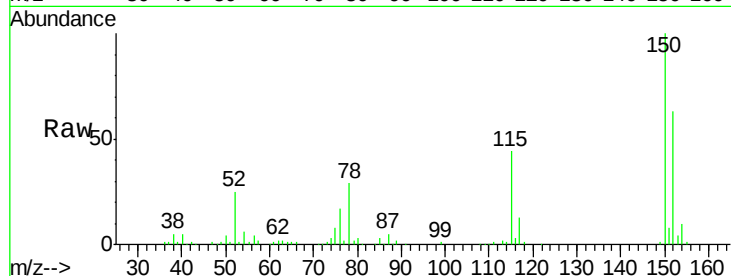
Tgt Ion:152 Resp: 114687

Ion Ratio Lower Upper

152 100

150 160.0 123.8 185.6

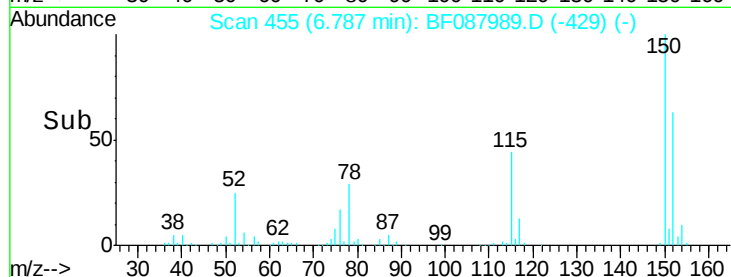
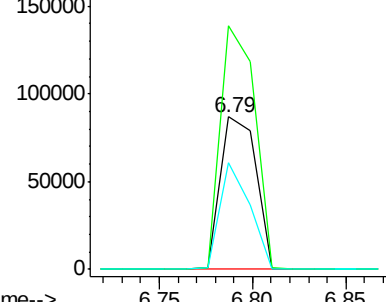
115 70.0 39.6 59.4#



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: 110.90 ng

RT: 5.39 min Scan# 333

Delta R.T. 0.01 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

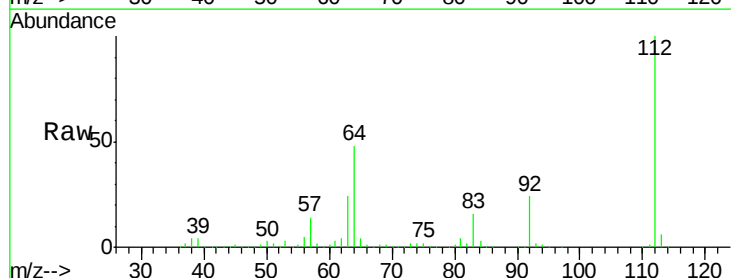
Tgt Ion:112 Resp: 744019

Ion Ratio Lower Upper

112 100

64 48.0 42.2 63.2

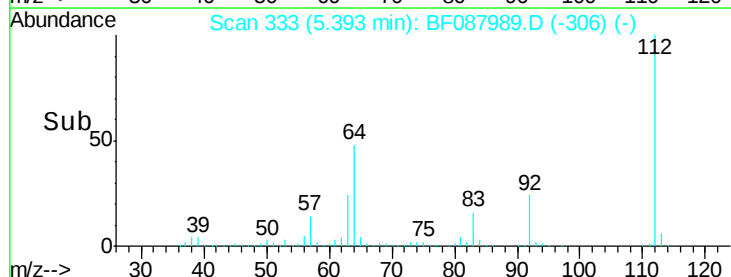
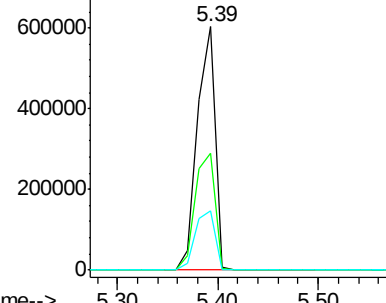
63 24.3 21.8 32.8



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: 101.01 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

Instrument :

BNA_F

ClientSampleId :

T6-B1(0-12)C

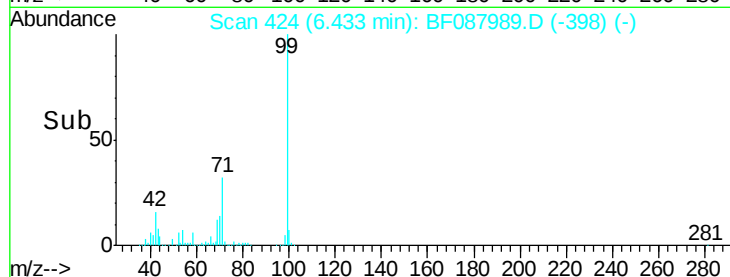
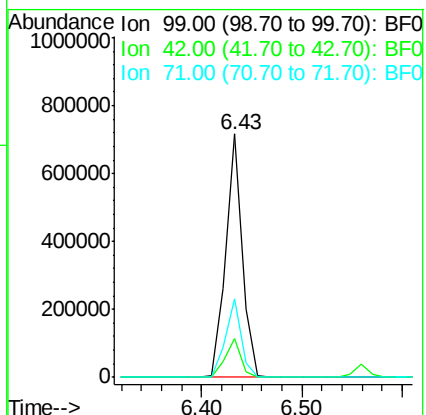
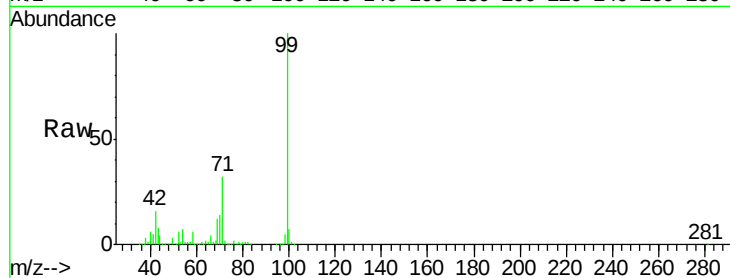
Tgt Ion: 99 Resp: 821253

Ion Ratio Lower Upper

99 100

42 16.0 12.2 18.2

71 32.2 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.20 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.14 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

Tgt Ion: 70 Resp: 63451

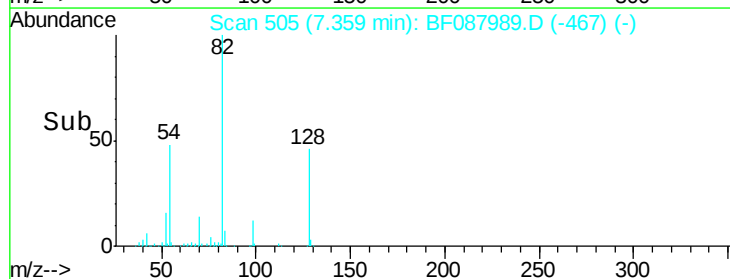
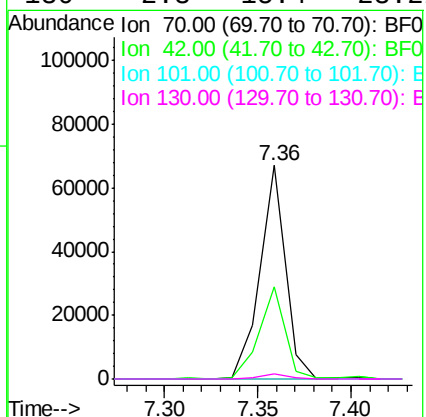
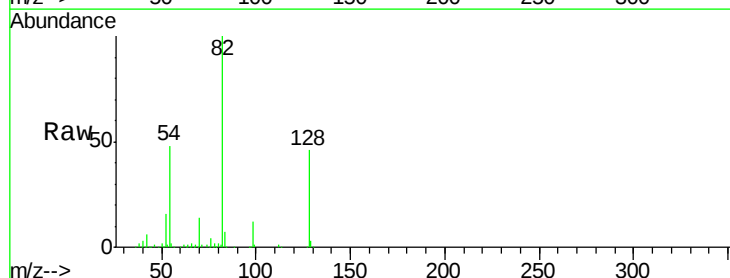
Ion Ratio Lower Upper

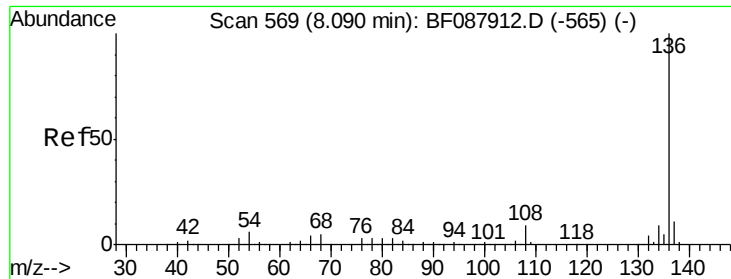
70 100

42 43.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#

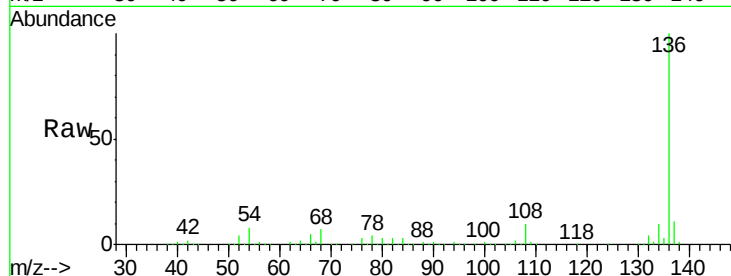




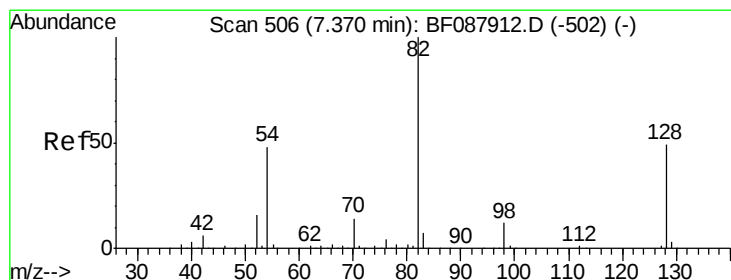
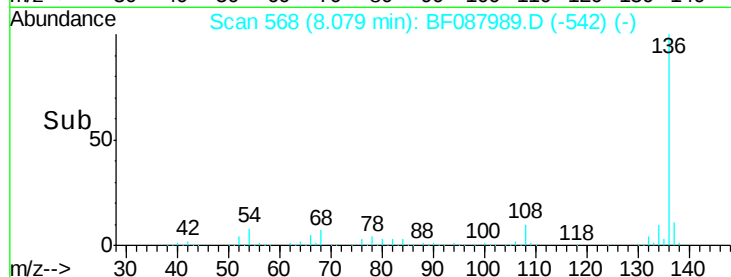
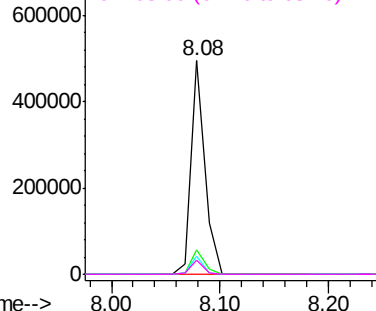
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Tgt Ion:	136	Resp:	439640
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.2	6.6	10.0
68	6.9	5.1	7.7

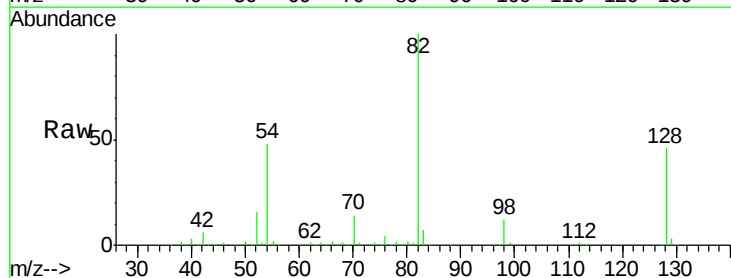


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

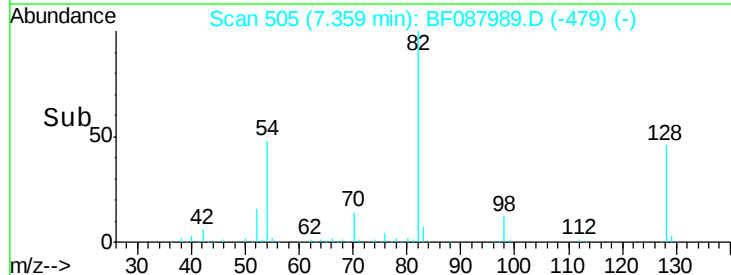
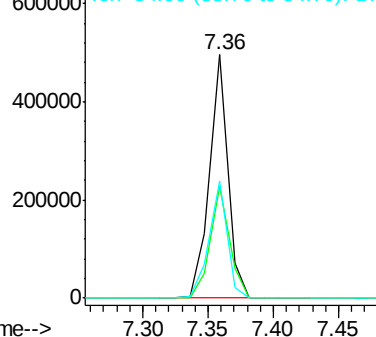


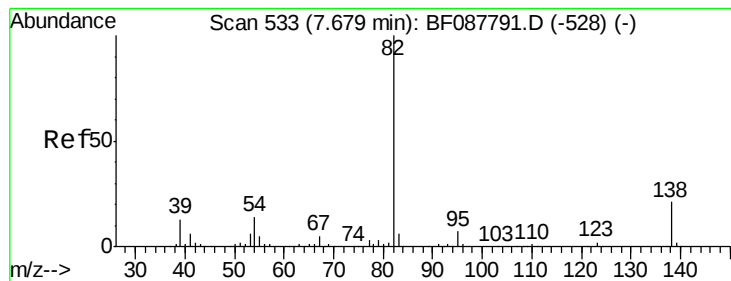
#23
Nitrobenzene-d5
Concen: 64.16 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:	82	Resp:	483021
Ion	Ratio	Lower	Upper
82	100		
128	46.0	35.9	53.9
54	48.1	40.9	61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 27.92 ng

RT: 7.36 min Scan# 505

Delta R.T. -0.26 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

Instrument :

BNA_F

ClientSampleId :

T6-B1(0-12)C

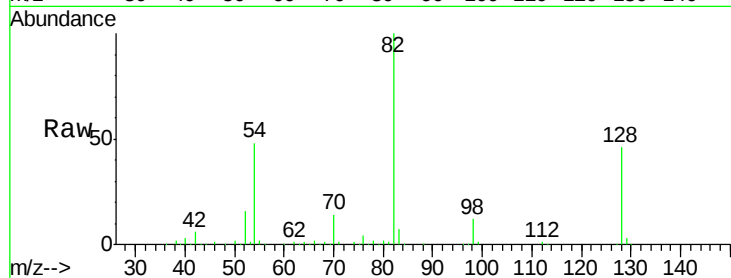
Tgt Ion: 82 Resp: 389308

Ion Ratio Lower Upper

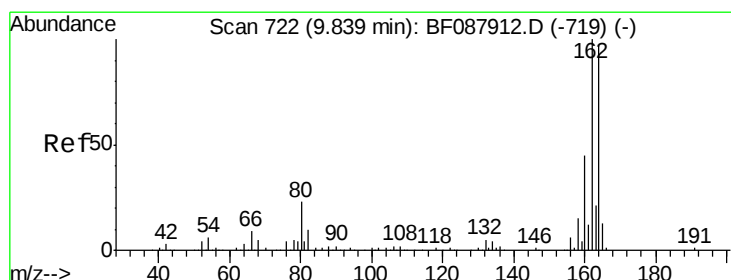
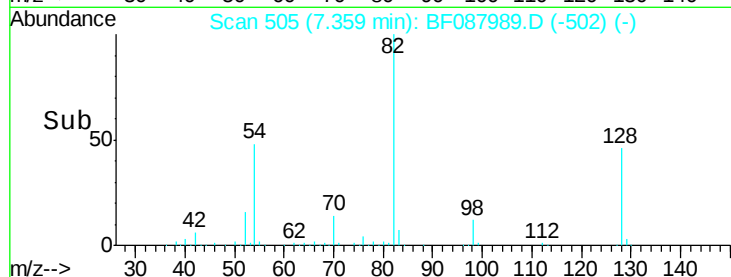
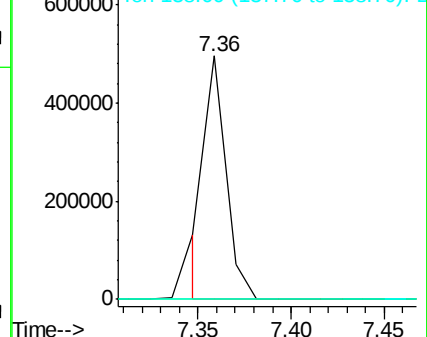
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

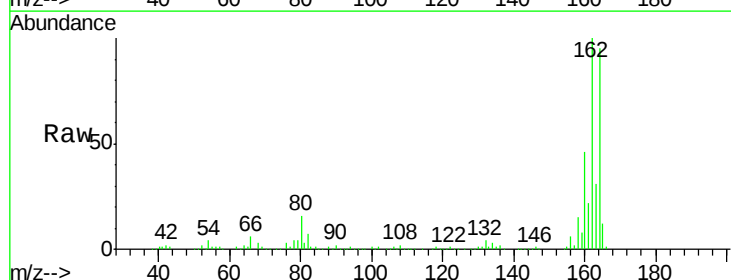
Tgt Ion: 164 Resp: 206267

Ion Ratio Lower Upper

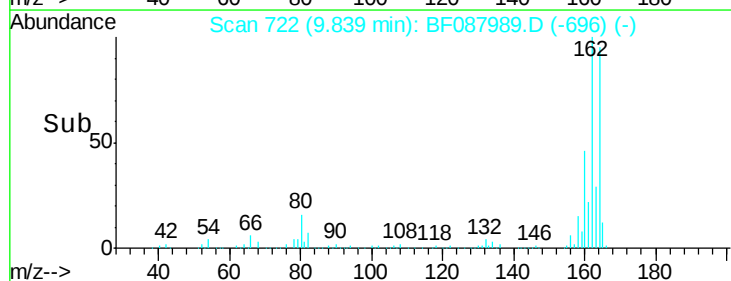
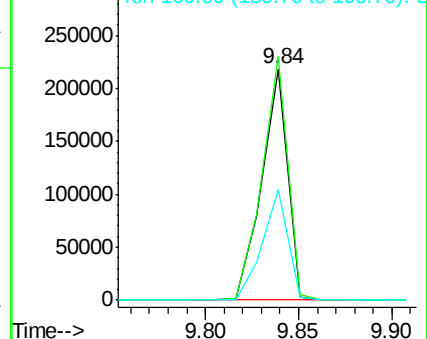
164 100

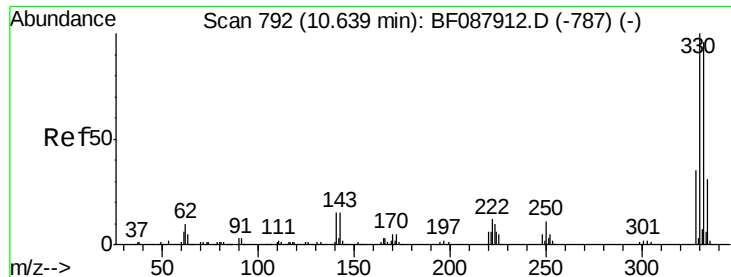
162 105.4 85.4 128.2

160 48.1 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

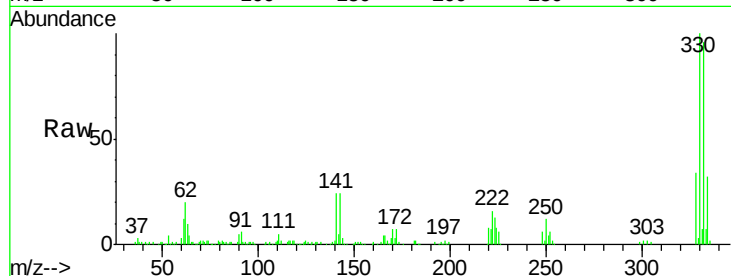




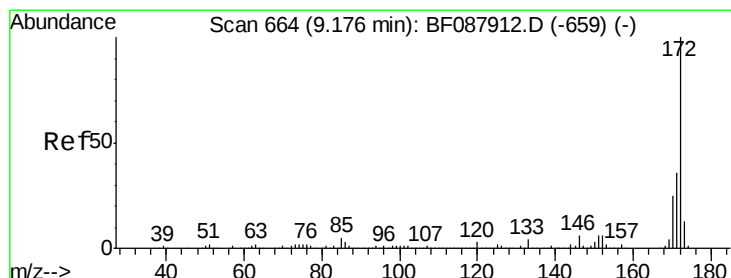
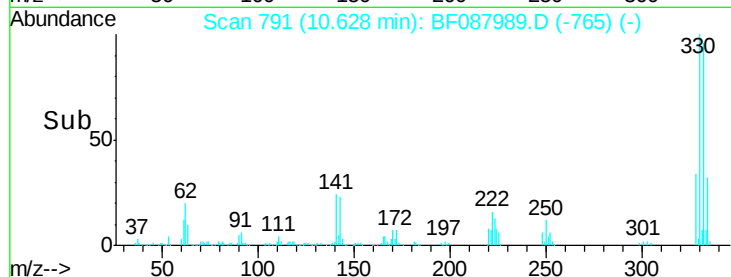
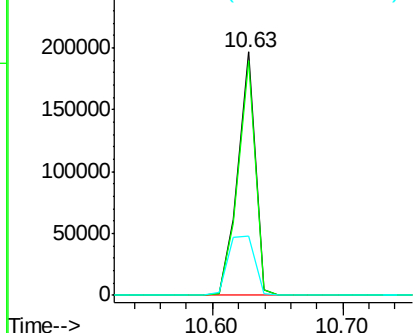
#41
 2,4,6-Tribromophenol
 Concen: 83.38 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: BF087989.D
 Acq: 13 Jun 2016 18:08

Instrument :
 BNA_F
 ClientSampleId :
 T6-B1(0-12)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	38.4	0.0	0.0#

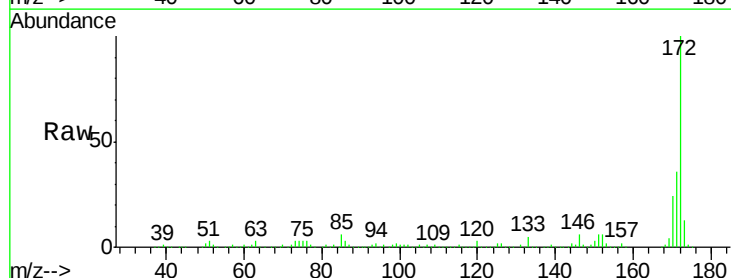


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

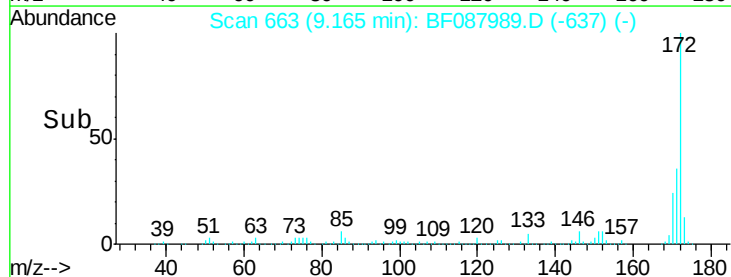
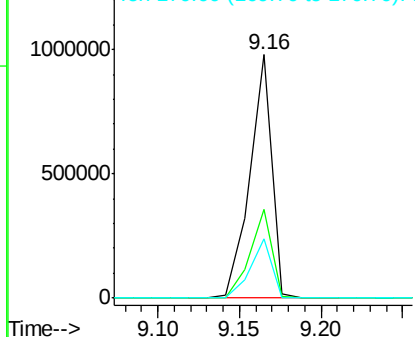


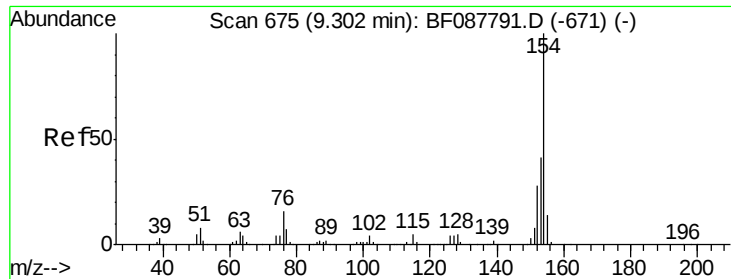
#44
 2-Fluorobiphenyl
 Concen: 68.43 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF087989.D
 Acq: 13 Jun 2016 18:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	24.4	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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.26 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

Instrument :

BNA_F

ClientSampleId :

T6-B1(0-12)C

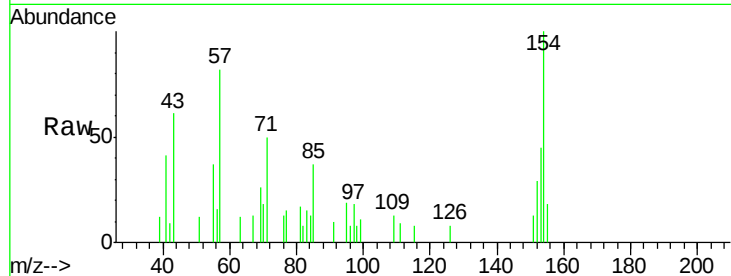
Tgt Ion:154 Resp: 3530

Ion Ratio Lower Upper

154 100

153 45.2 20.6 60.6

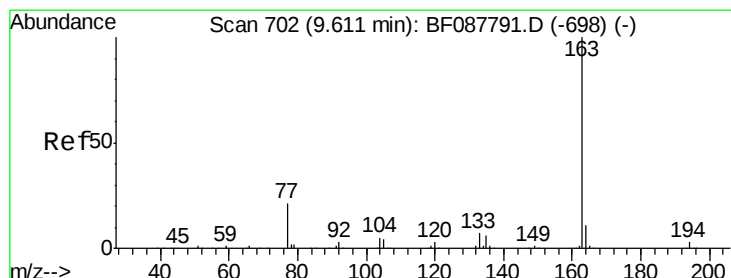
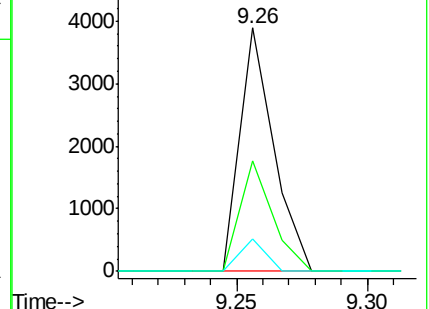
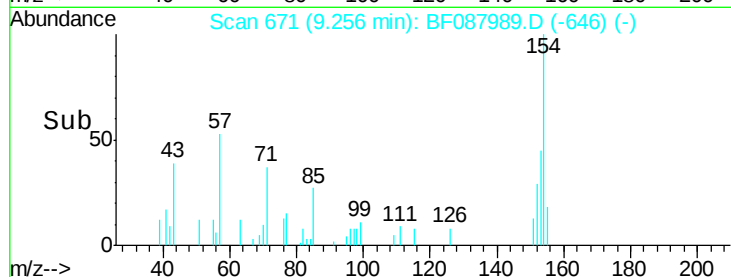
76 13.5 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 12.73 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

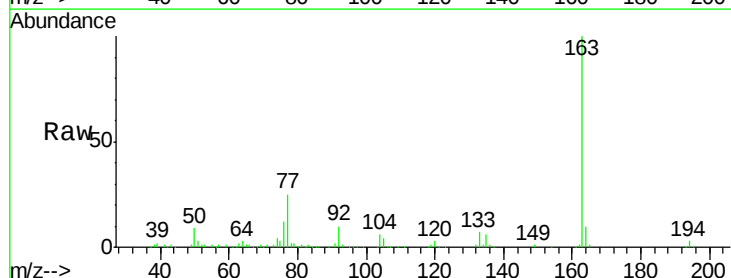
Tgt Ion:163 Resp: 190228

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

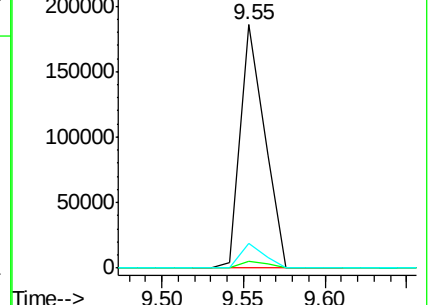
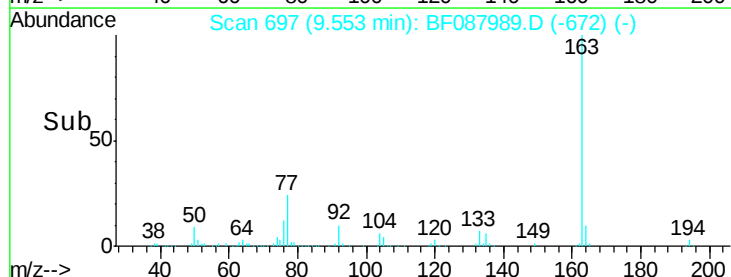
164 10.4 8.3 12.5



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

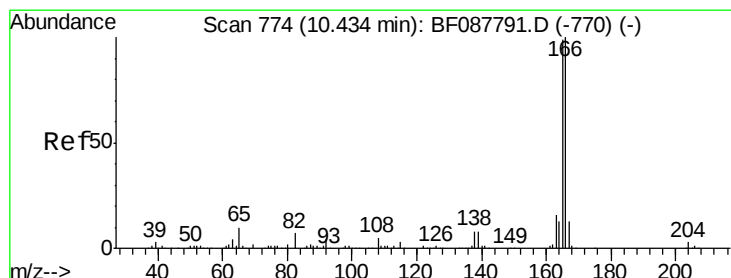
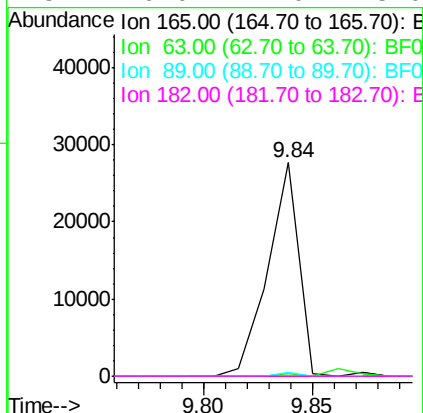
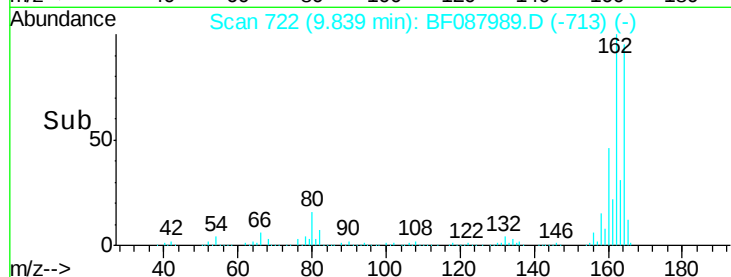
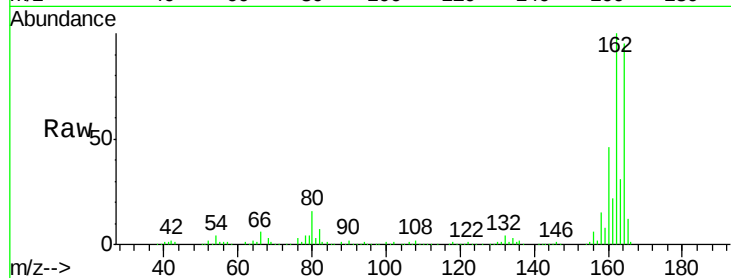




#56
2,4-Dinitrotoluene
Concen: 6.30 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.19 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

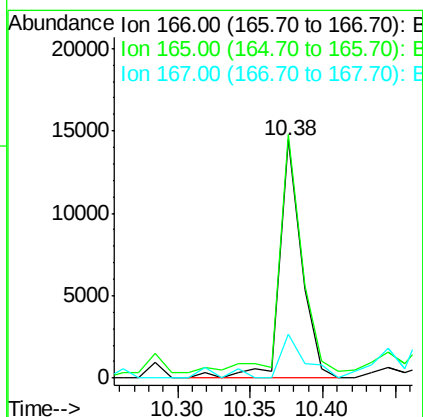
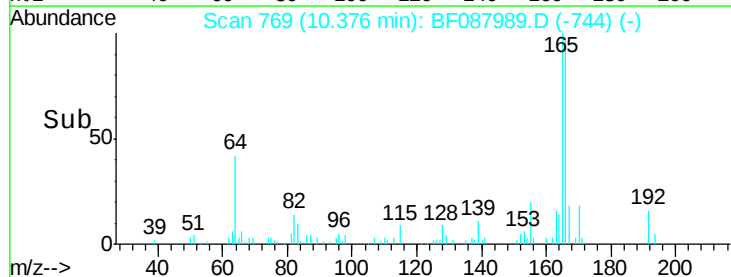
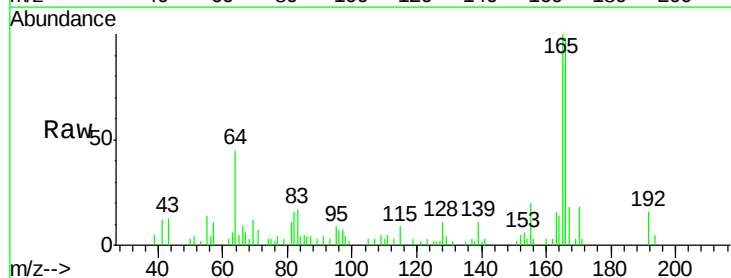
Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

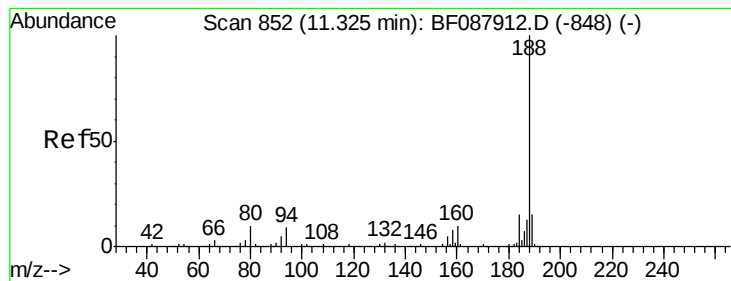
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	22.0	33.0#
89	1.5	41.1	61.7#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.38 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.2	77.8	116.8
167	18.3	11.2	16.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

Instrument :

BNA_F

ClientSampleId :

T6-B1(0-12)C

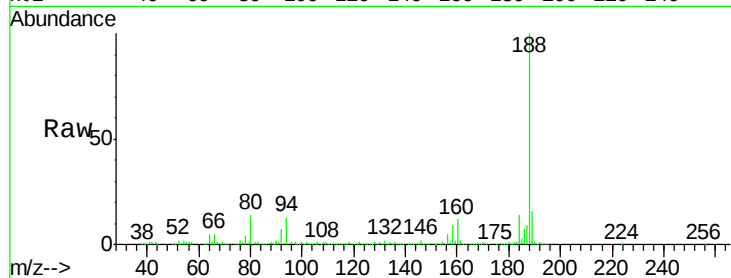
Tgt Ion:188 Resp: 311400

Ion Ratio Lower Upper

188 100

94 13.0 9.0 13.6

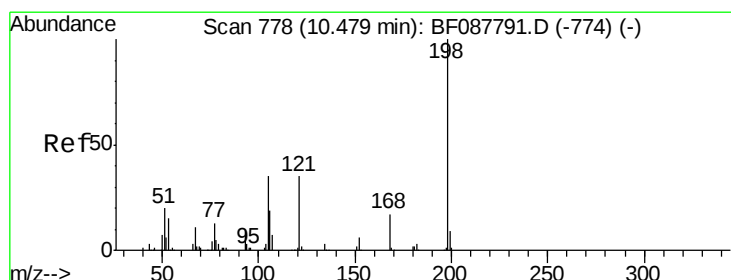
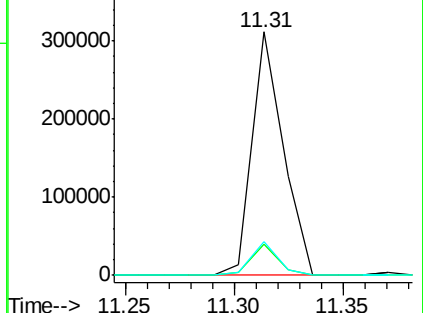
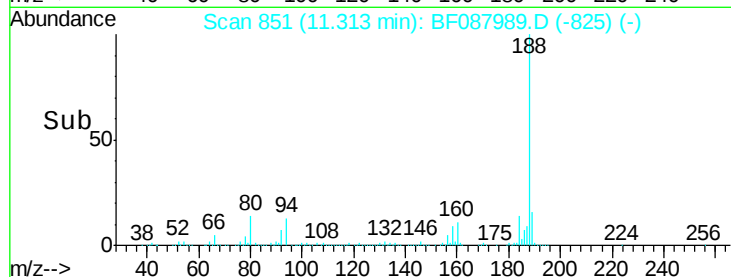
80 14.1 10.0 15.0



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



#64

4,6-Dinitro-2-methylphenol

Concen: 2.30 ng

RT: 10.63 min Scan# 791

Delta R.T. 0.19 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

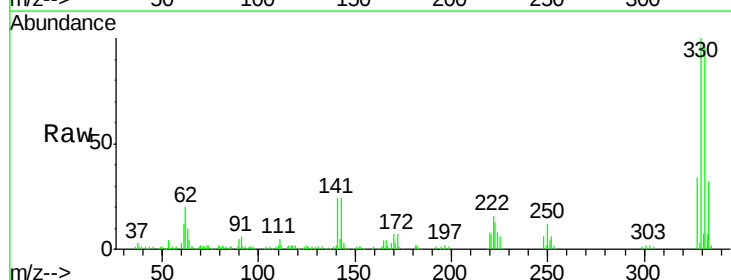
Tgt Ion:198 Resp: 287

Ion Ratio Lower Upper

198 100

51 139.2 39.6 79.6#

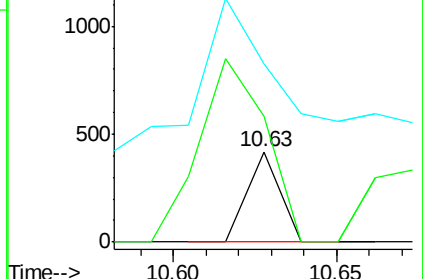
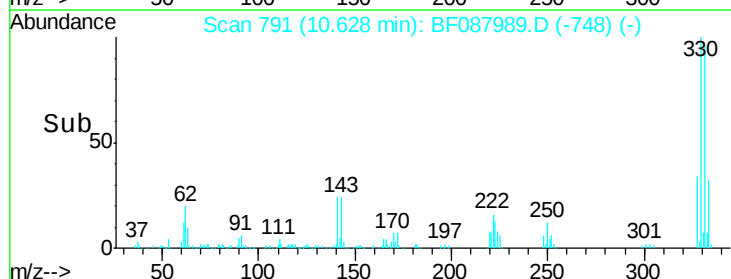
105 197.1 36.6 76.6#

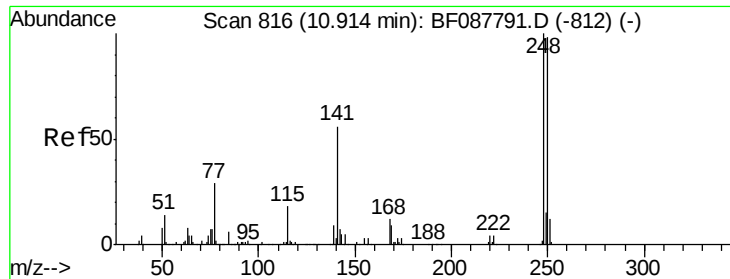


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

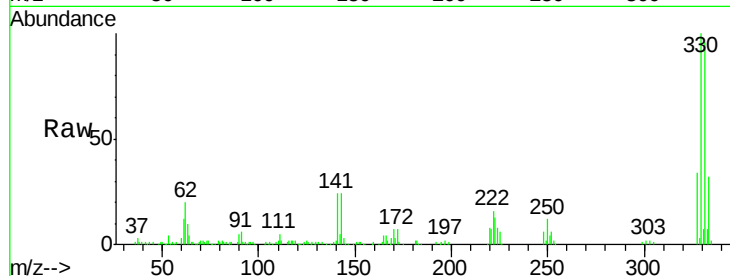




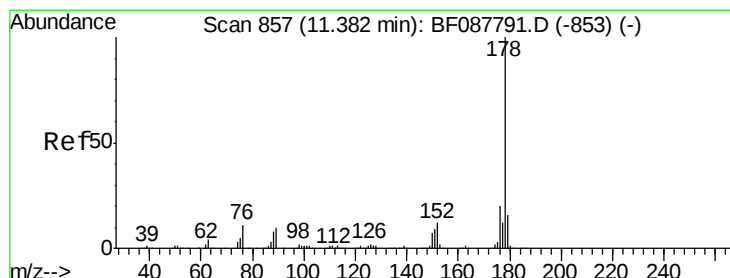
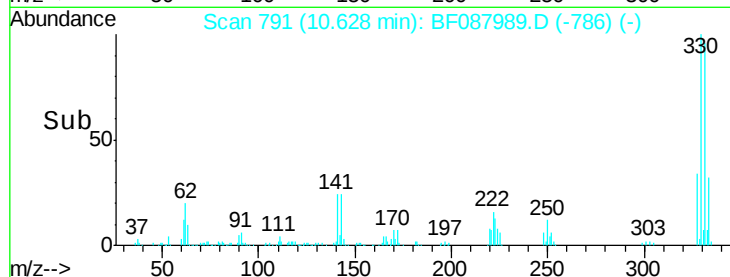
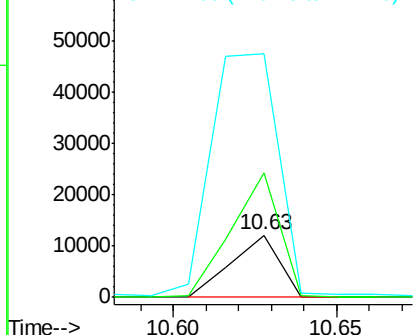
#66
4-Bromophenyl-phenylether
Concen: 3.67 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.24 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Tgt Ion:248 Resp: 12275
Ion Ratio Lower Upper
248 100
250 199.2 77.1 115.7#
141 390.5 50.6 76.0#

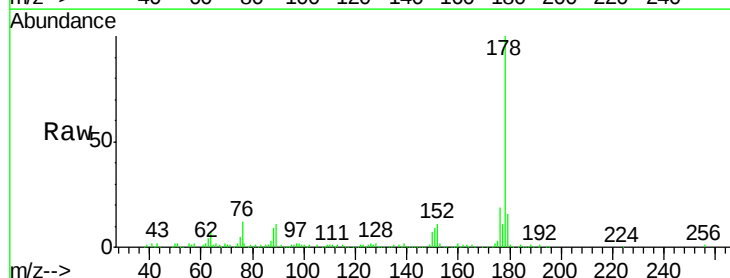


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

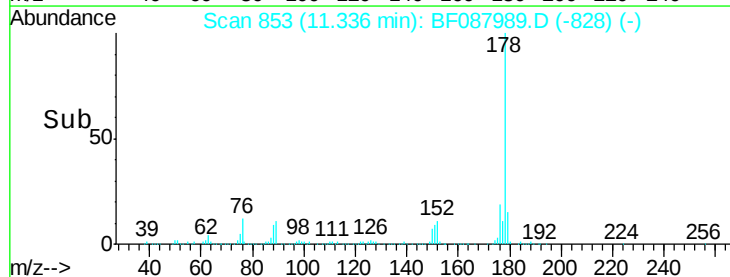
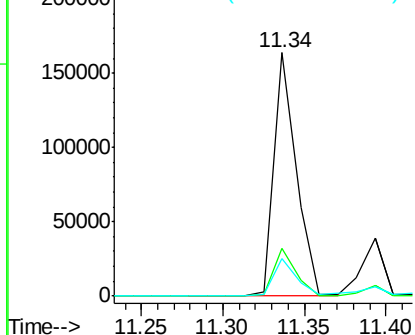


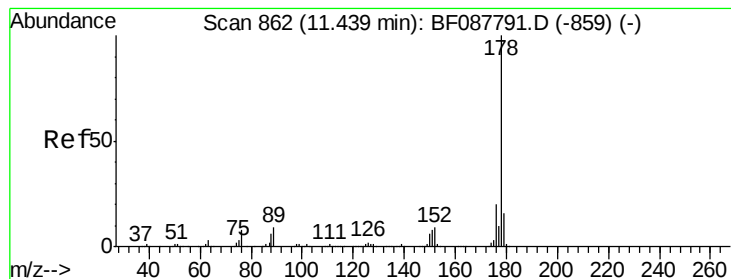
#70
Phenanthrene
Concen: 9.63 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:178 Resp: 157366
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.6 13.0 19.4



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





#71

Anthracene

Concen: 2.13 ng

RT: 11.39 min Scan# 858

Delta R.T. -0.00 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

Instrument :

BNA_F

ClientSampleId :

T6-B1(0-12)C

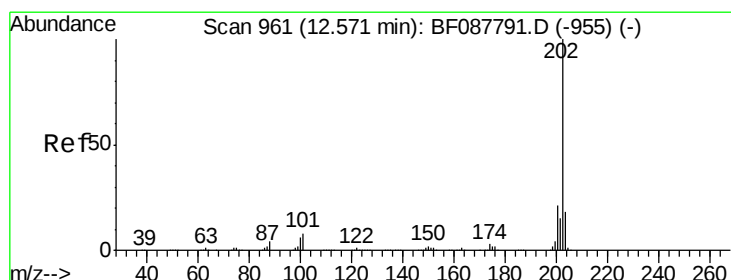
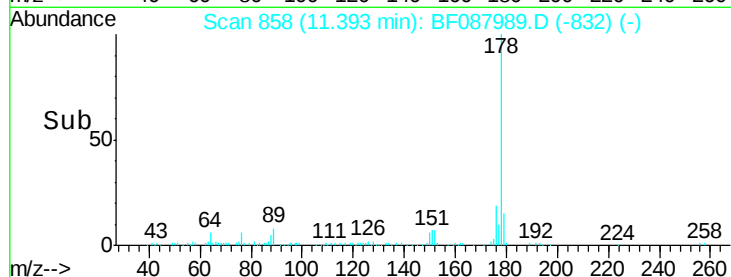
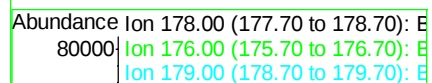
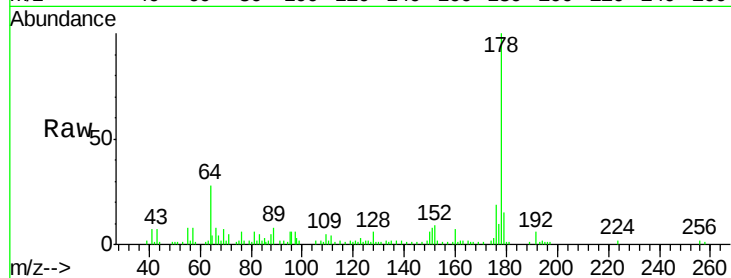
Tgt Ion:178 Resp: 35066

Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

179 15.2 12.8 19.2



#74

Fluoranthene

Concen: 12.23 ng

RT: 12.54 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

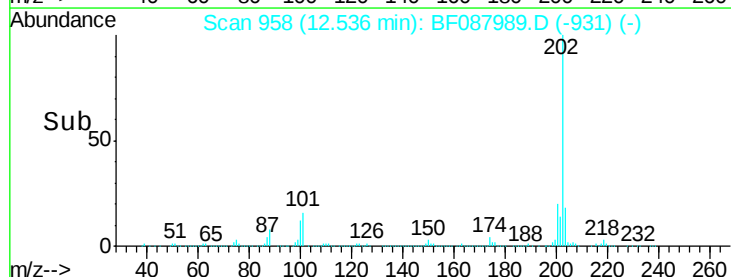
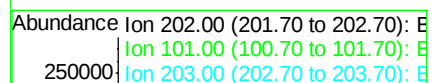
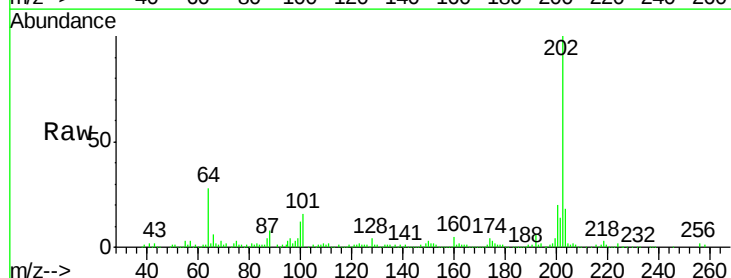
Tgt Ion:202 Resp: 210828

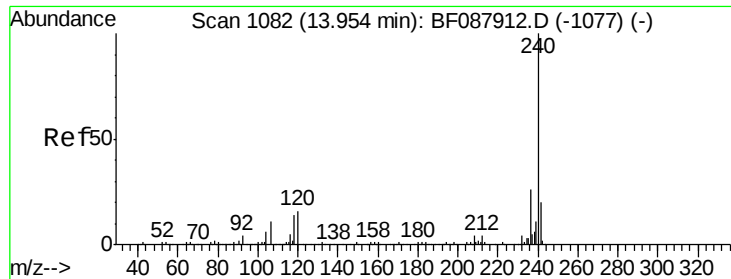
Ion Ratio Lower Upper

202 100

101 16.1 0.0 33.1

203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

Instrument :

BNA_F

ClientSampleId :

T6-B1(0-12)C

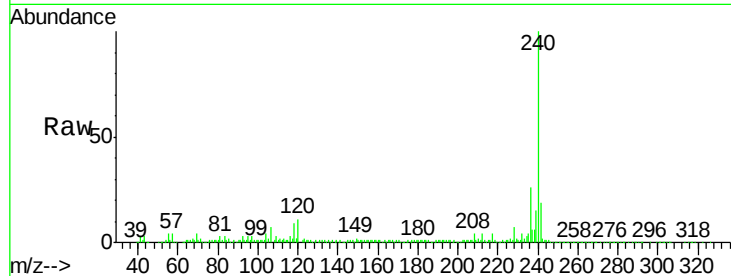
Tgt Ion:240 Resp: 259326

Ion Ratio Lower Upper

240 100

120 10.7 6.8 10.2#

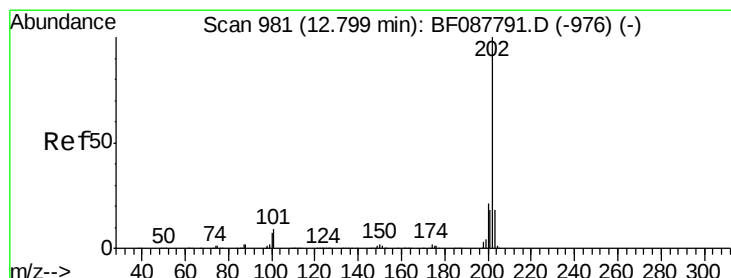
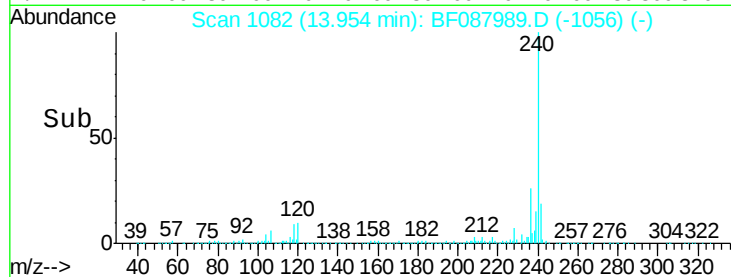
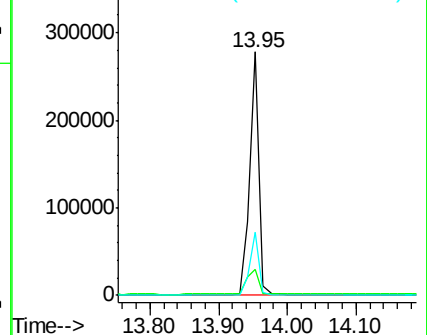
236 25.8 20.2 30.2



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: 12.04 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.00 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

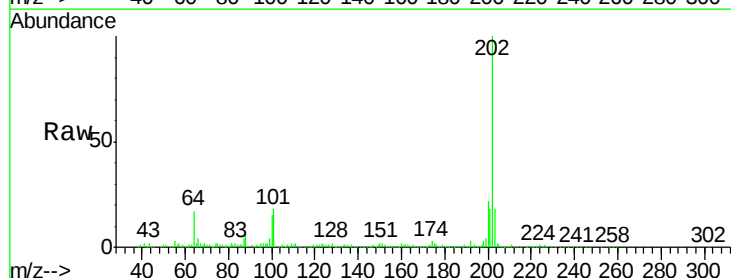
Tgt Ion:202 Resp: 231750

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

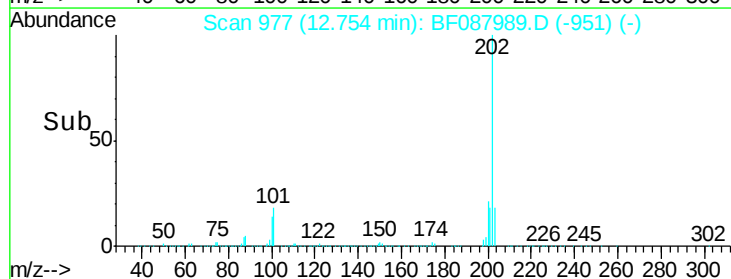
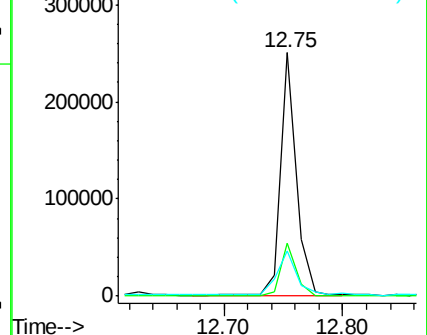
203 18.4 14.5 21.7

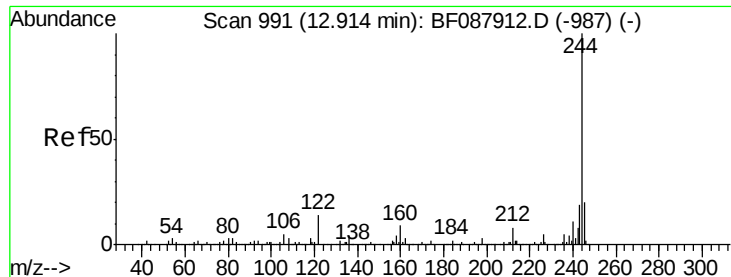


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

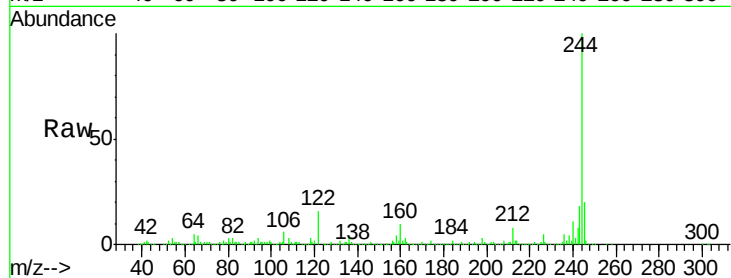




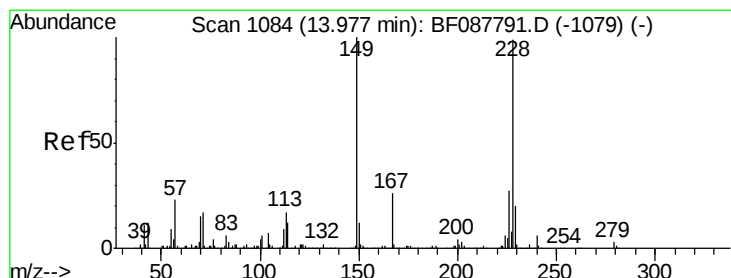
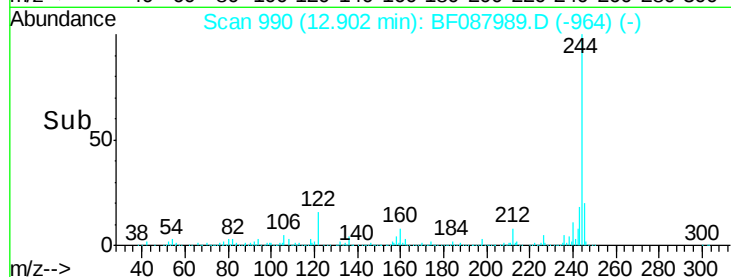
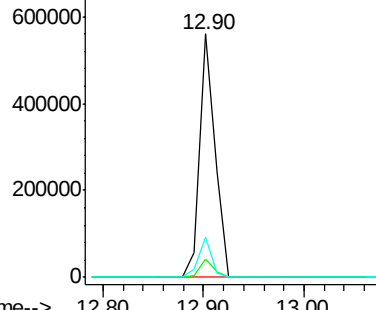
#78
 Terphenyl-d14
 Concen: 52.13 ng
 RT: 12.90 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: BF087989.D
 Acq: 13 Jun 2016 18:08

Instrument :
 BNA_F
 ClientSampleId :
 T6-B1(0-12)C

Tgt Ion:244 Resp: 594039
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 16.4 11.2 16.8

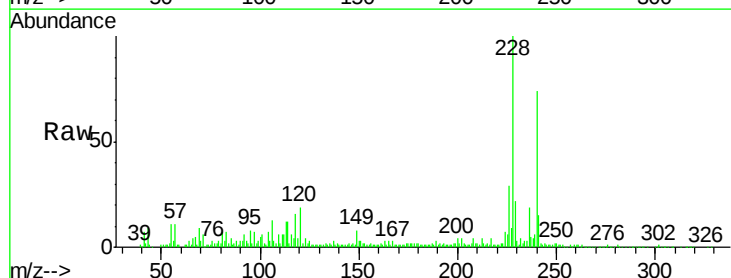


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

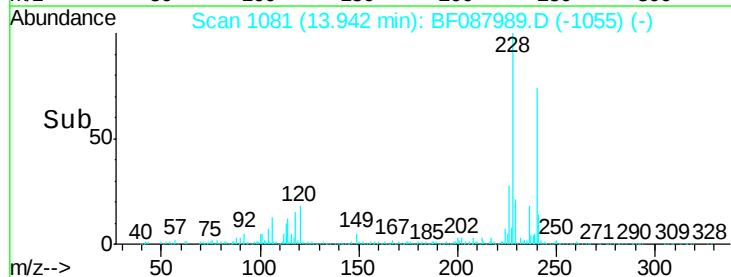
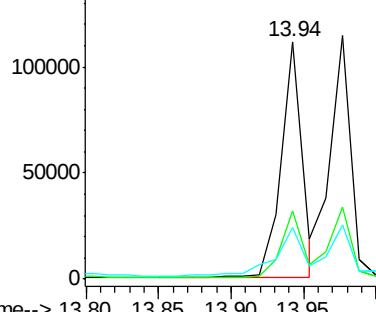


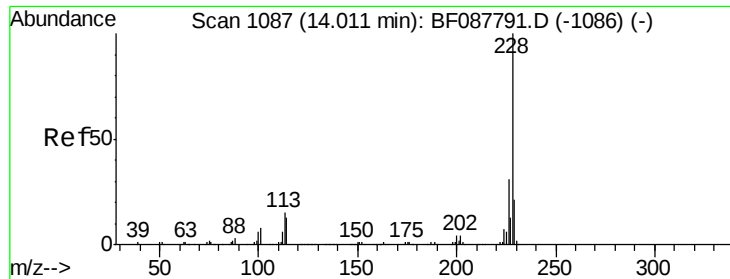
#80
 Benzo(a)anthracene
 Concen: 7.59 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: BF087989.D
 Acq: 13 Jun 2016 18:08

Tgt Ion:228 Resp: 112108
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.3 33.5
 229 21.9 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: 8.06 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

Instrument :

BNA_F

ClientSampleId :

T6-B1(0-12)C

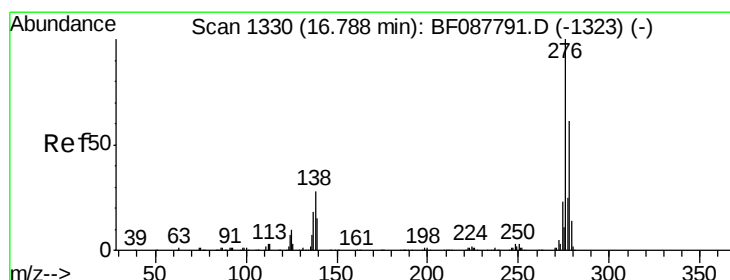
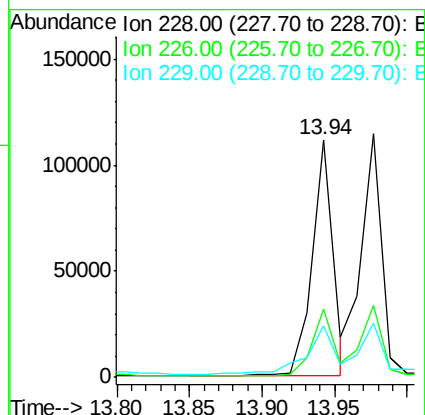
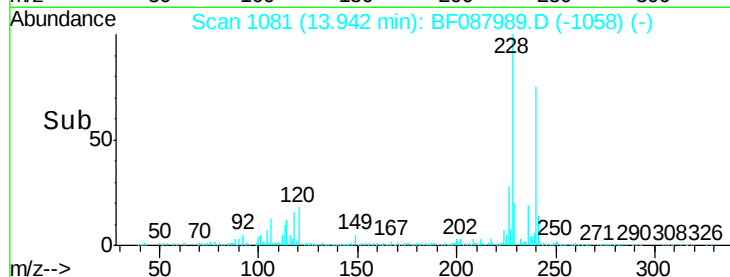
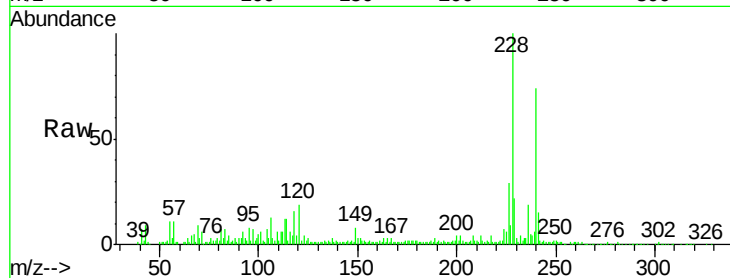
Tgt Ion:228 Resp: 112108

Ion Ratio Lower Upper

228 100

226 28.5 25.4 38.2

229 21.9 16.3 24.5



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.98 ng

RT: 16.72 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF087989.D

Acq: 13 Jun 2016 18:08

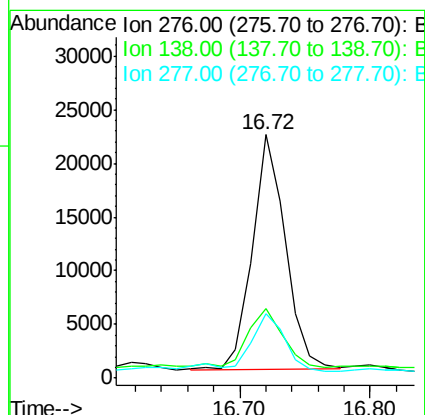
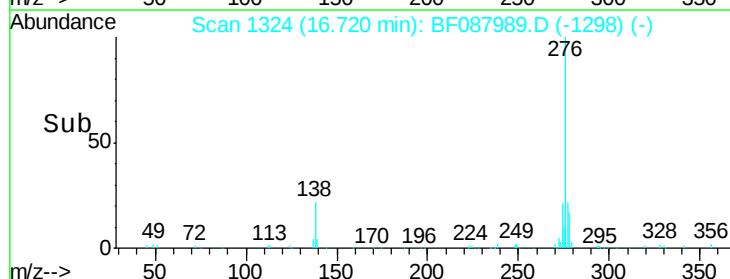
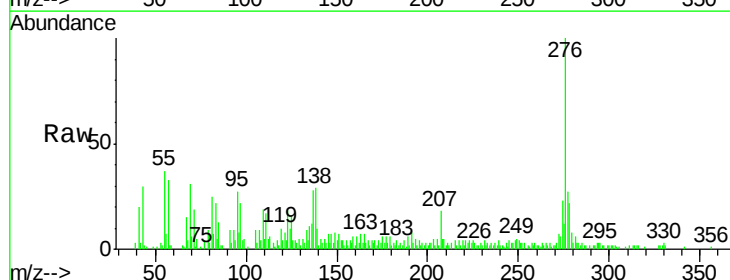
Tgt Ion:276 Resp: 38464

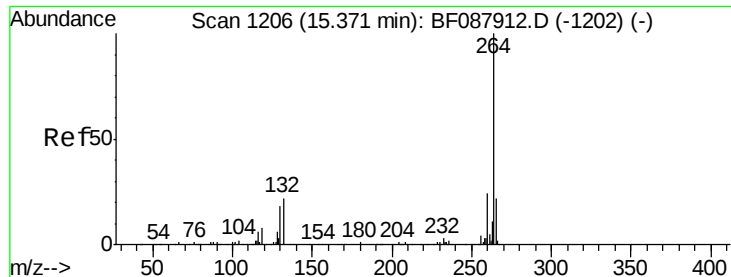
Ion Ratio Lower Upper

276 100

138 28.4 0.0 0.0#

277 28.2 0.0 0.0#

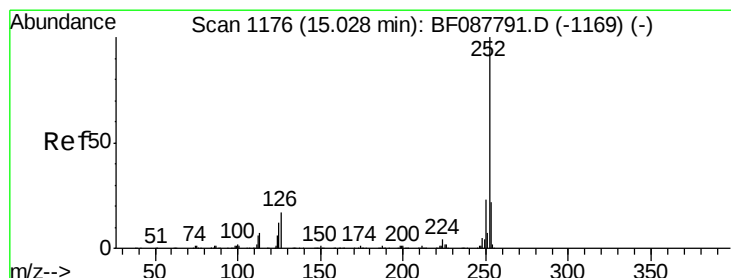
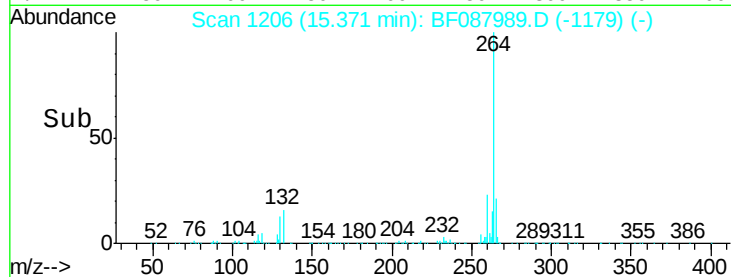
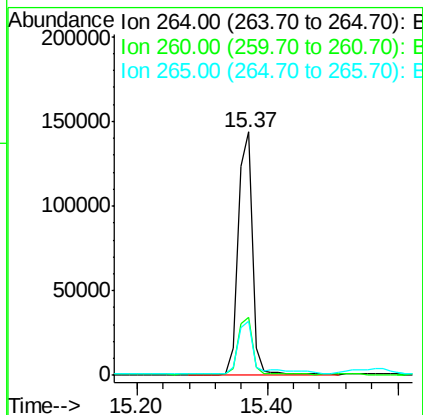
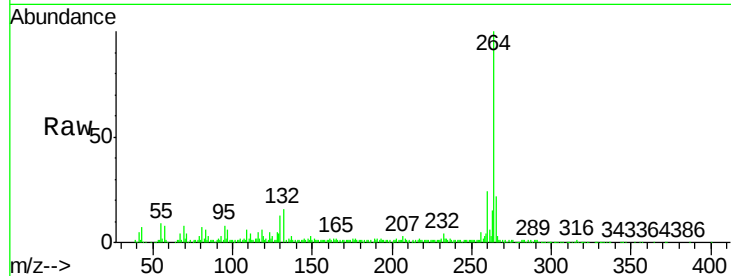




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

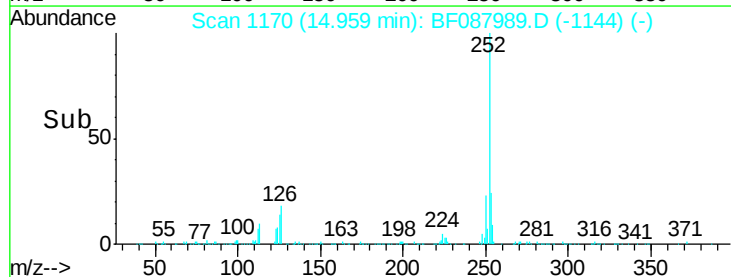
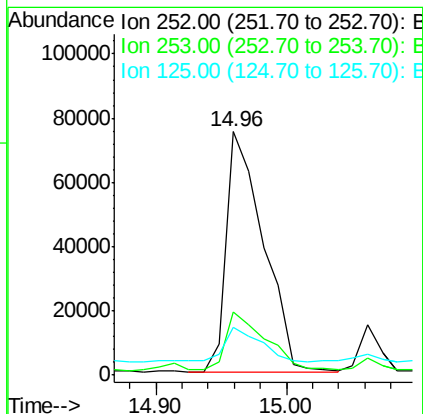
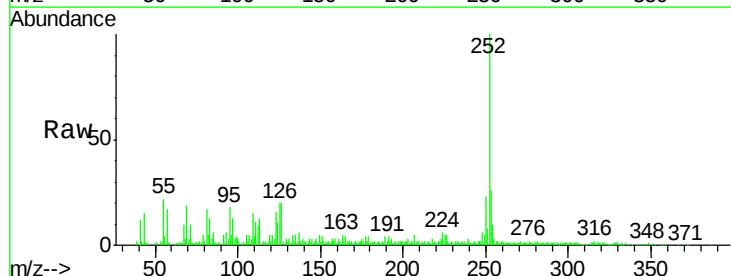
Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

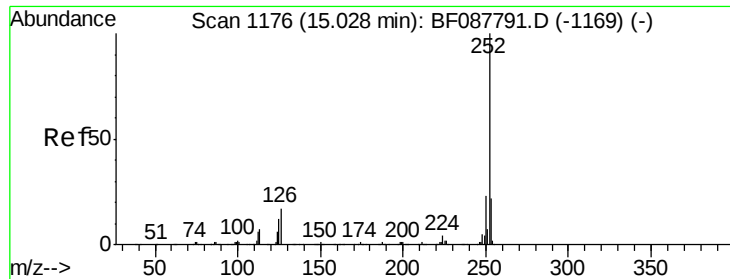
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.0	16.9	25.3



#87
Benzo(b)fluoranthene
Concen: 10.24 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.4	26.2
125	19.7	7.1	10.7

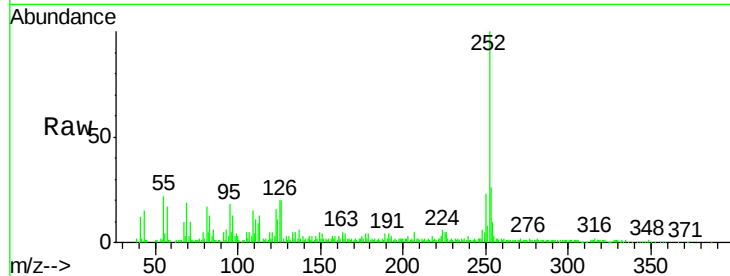




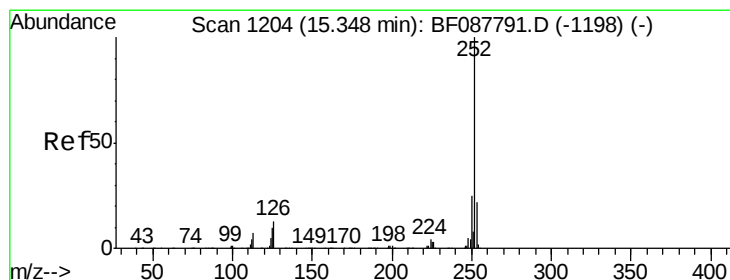
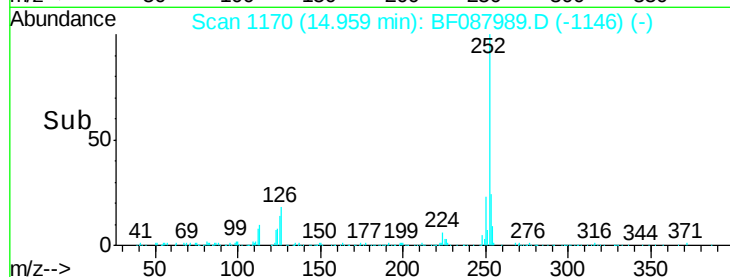
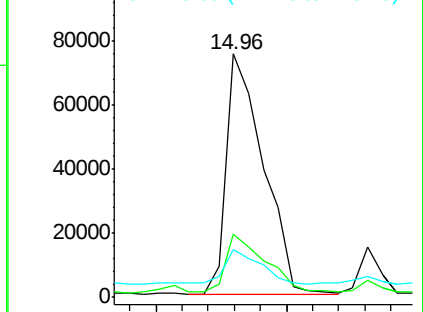
#88
Benzo(k)fluoranthene
Concen: 13.57 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Tgt Ion:252 Resp: 149655
Ion Ratio Lower Upper
252 100
253 25.7 18.0 27.0
125 19.7 11.2 16.8#

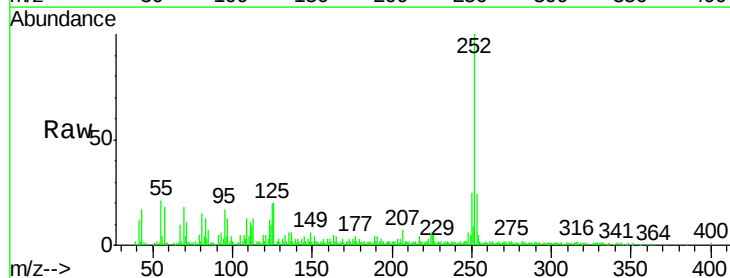


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

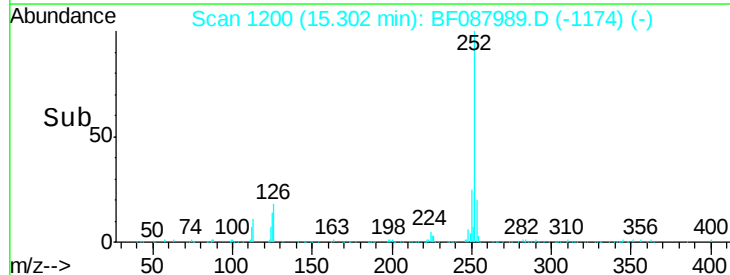
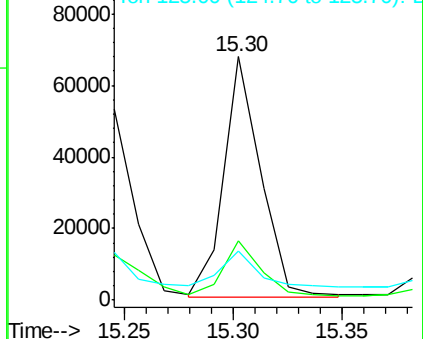


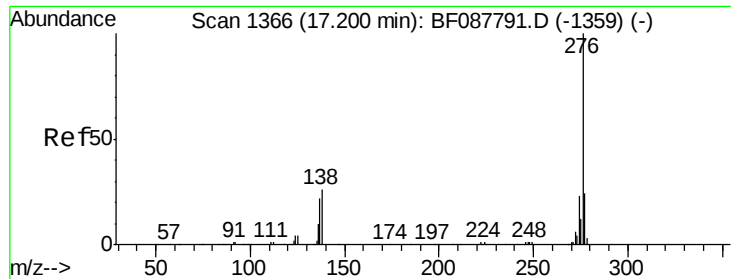
#89
Benzo(a)pyrene
Concen: 6.66 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:252 Resp: 78797
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 20.0 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: 3.54 ng
 RT: 17.13 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: BF087989.D
 Acq: 13 Jun 2016 18:08

Instrument :
 BNA_F
 ClientSampleId :
 T6-B1(0-12)C

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.9	28.3
138	30.3	21.4	32.2

