

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
 Data File : BF088917.D
 Acq On : 11 Jul 2016 23:47
 Operator : UM/SJ
 Sample : H3921-20
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 07-B3(0-11)C

Quant Time: Jul 12 02:09:00 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

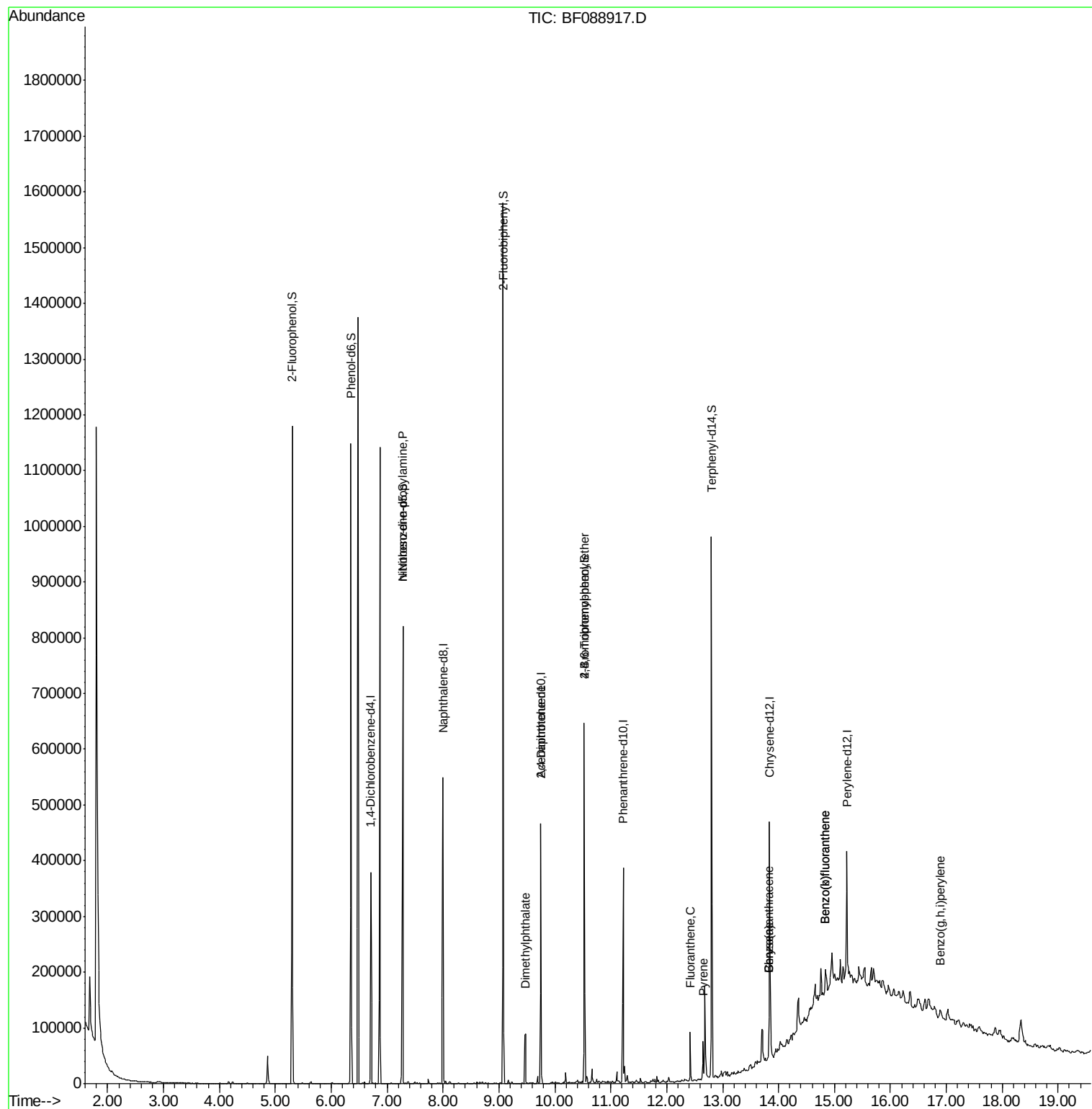
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	60195	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	245243	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	93007	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	146181	20.00	ng	0.00
75) Chrysene-d12	13.84	240	125054	20.00	ng	-0.01
86) Perylene-d12	15.22	264	109989	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	318488	79.30	ng	0.01
7) Phenol-d6	6.35	99	389424	75.04	ng	0.00
23) Nitrobenzene-d5	7.28	82	294305	62.89	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	68986	79.88	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	426388	72.42	ng	0.00
78) Terphenyl-d14	12.80	244	297373	52.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	38381	11.01	ng	Qvalue # 69
49) Dimethylphthalate	9.47	163	56517	8.53	ng	98
56) 2,4-Dinitrotoluene	9.75	165	11740	6.11	ng	# 36
66) 4-Bromophenyl-phenylether	10.52	248	4560	3.10	ng	# 1
74) Fluoranthene	12.42	202	31242	3.86	ng	99
77) Pyrene	12.65	202	27495	2.59	ng	97
80) Benzo(a)anthracene	13.83	228	18084	2.25	ng	93
82) Chrysene	13.83	228	18084	2.27	ng	97
87) Benzo(b)fluoranthene	14.83	252	26327	3.82	ng	# 81
88) Benzo(k)fluoranthene	14.83	252	26327	4.38	ng	# 87
91) Benzo(g,h,i)perylene	16.89	276	10865	2.15	ng	# 89

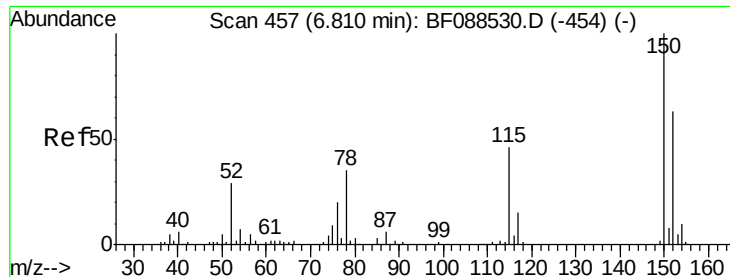
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF088917.D

Acq: 11 Jul 2016 23:47

Instrument :

BNA_F

ClientSampleId :

07-B3(0-11)C

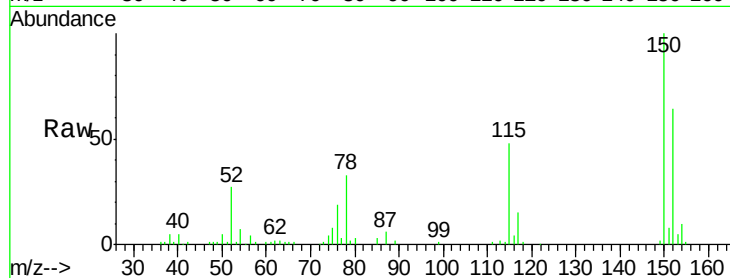
Tgt Ion:152 Resp: 60195

Ion Ratio Lower Upper

152 100

150 155.9 123.8 185.6

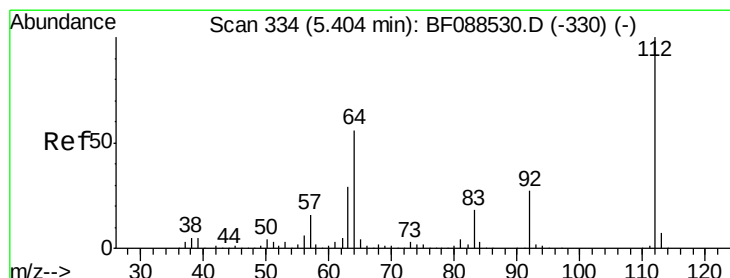
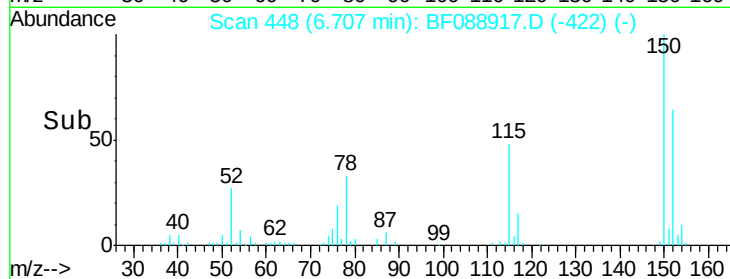
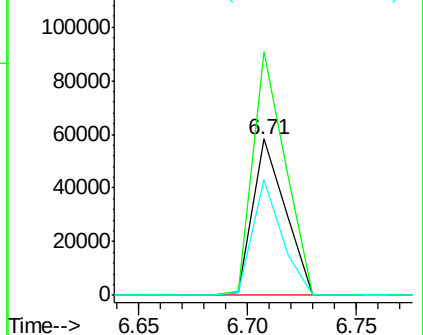
115 74.4 39.6 59.4#



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: 79.30 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088917.D

Acq: 11 Jul 2016 23:47

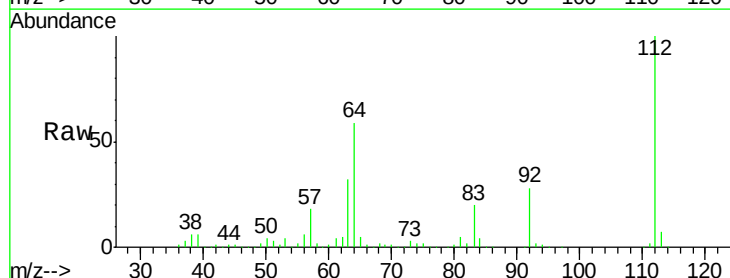
Tgt Ion:112 Resp: 318488

Ion Ratio Lower Upper

112 100

64 58.8 42.2 63.2

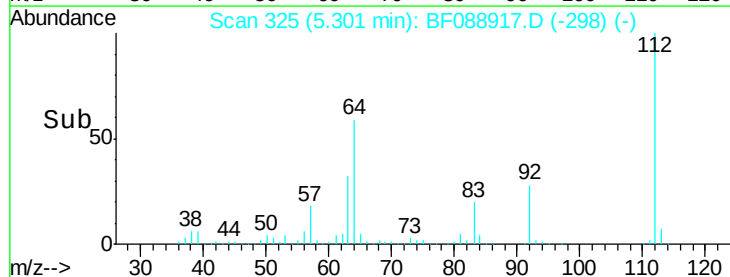
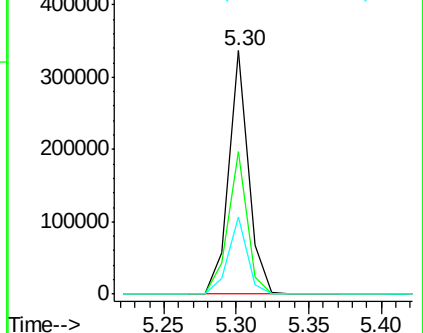
63 31.5 21.8 32.8

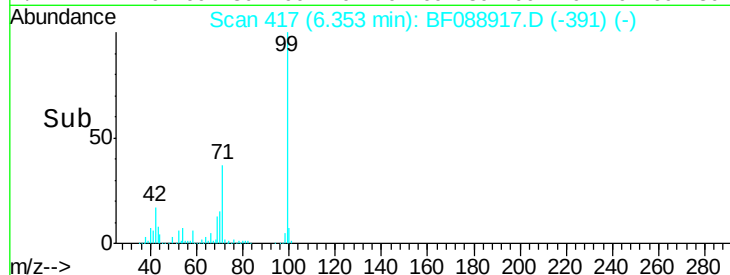
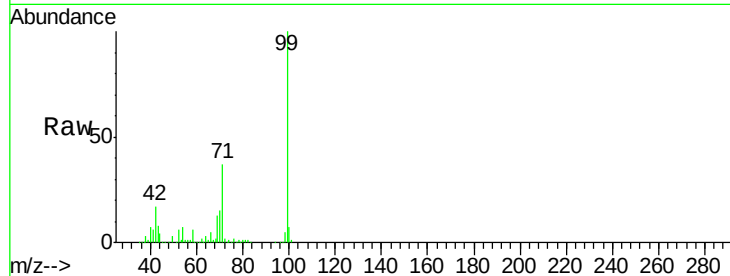
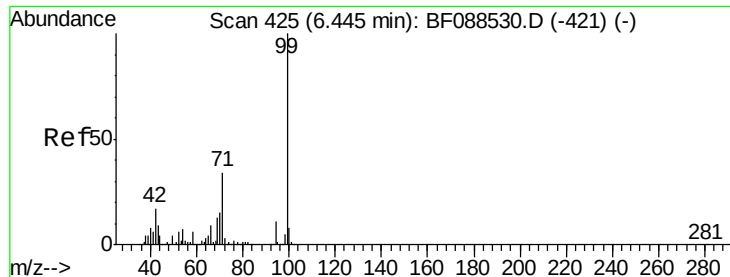


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 75.04 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088917.D

Acq: 11 Jul 2016 23:47

Instrument :

BNA_F

ClientSampled :

07-B3(0-11)C

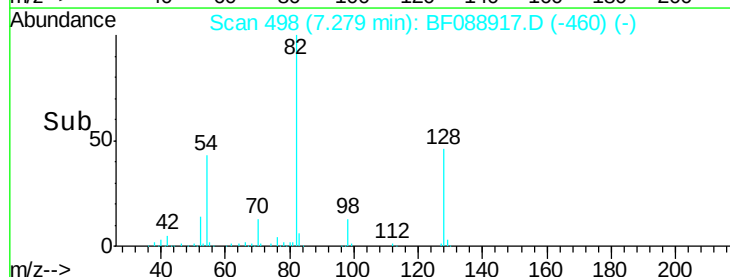
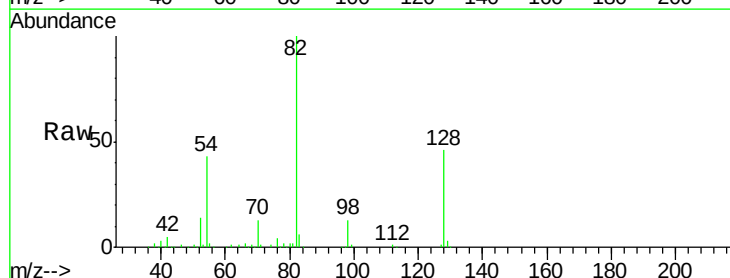
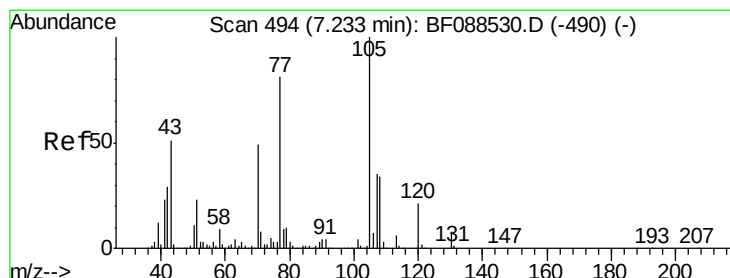
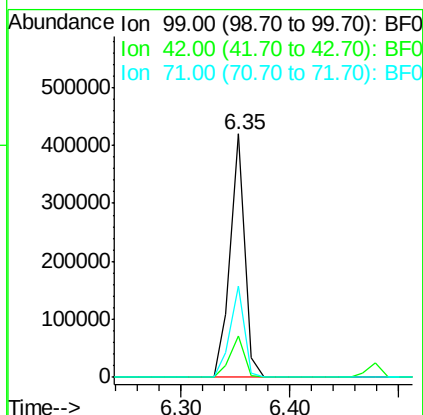
Tgt Ion: 99 Resp: 389424

Ion Ratio Lower Upper

99 100

42 17.2 12.2 18.2

71 37.5 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 11.01 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.14 min

Lab File: BF088917.D

Acq: 11 Jul 2016 23:47

Tgt Ion: 70 Resp: 38381

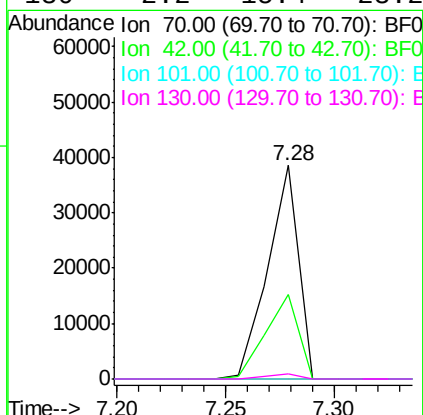
Ion Ratio Lower Upper

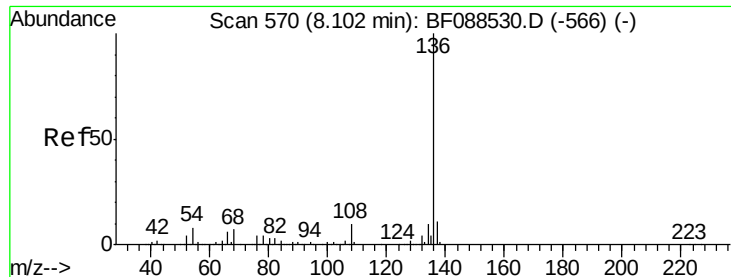
70 100

42 39.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#

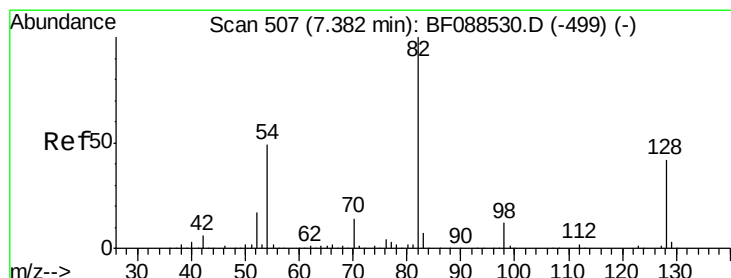
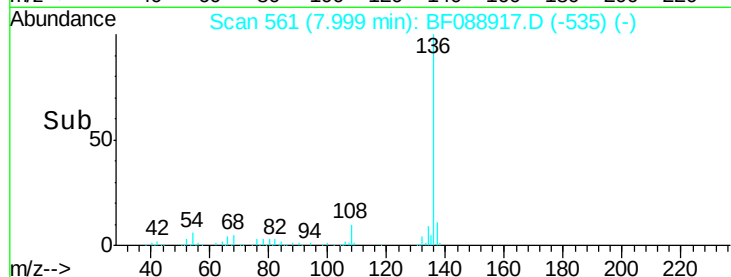
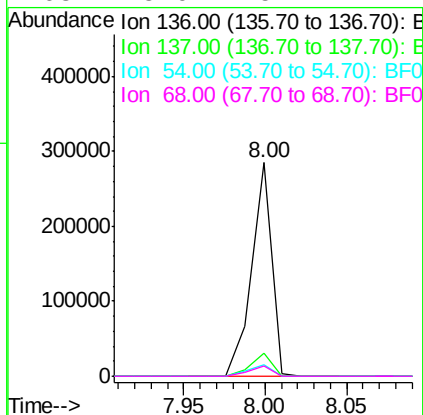
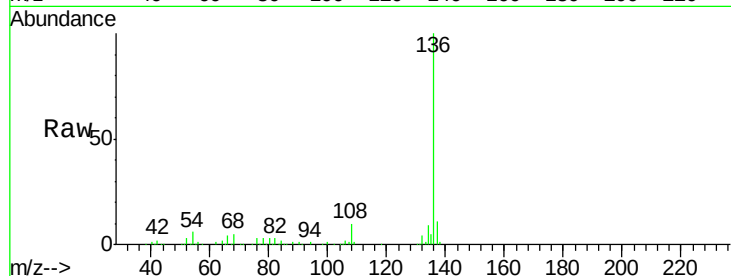




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF088917.D
Acq: 11 Jul 2016 23:47

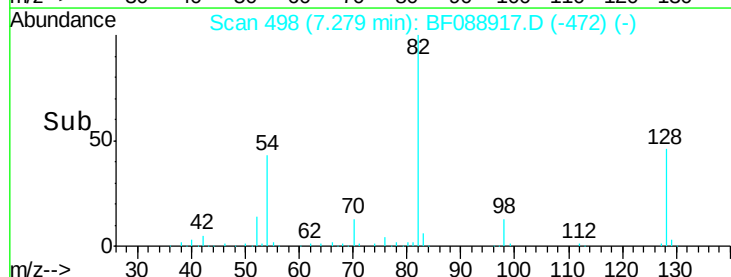
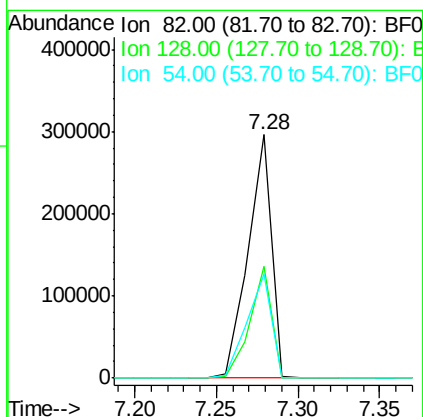
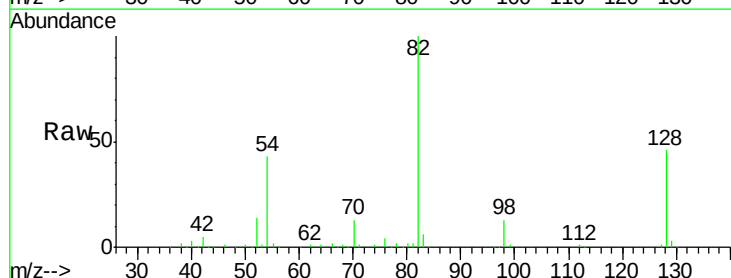
Instrument :
BNA_F
ClientSampleId :
07-B3(0-11)C

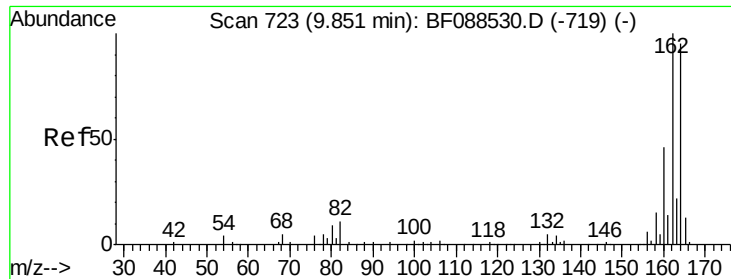
Tgt Ion:	136	Resp:	245243
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.6	6.6	10.0#
68	5.0	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 62.89 ng
RT: 7.28 min Scan# 498
Delta R.T. -0.00 min
Lab File: BF088917.D
Acq: 11 Jul 2016 23:47

Tgt Ion:	82	Resp:	294305
Ion	Ratio	Lower	Upper
82	100		
128	46.0	35.9	53.9
54	43.0	40.9	61.3

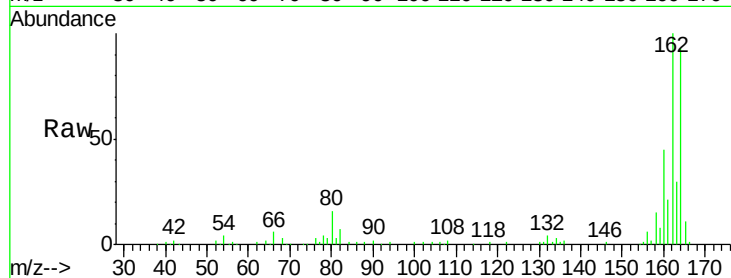




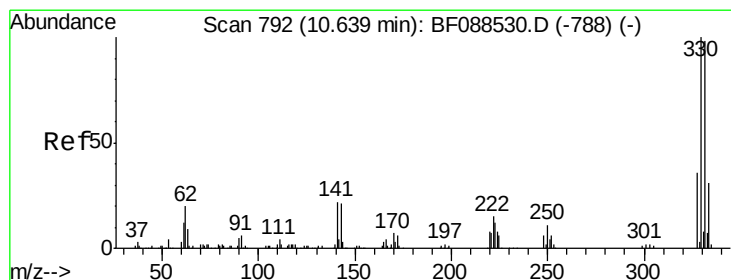
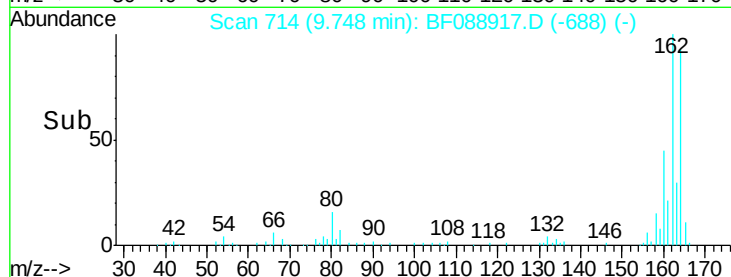
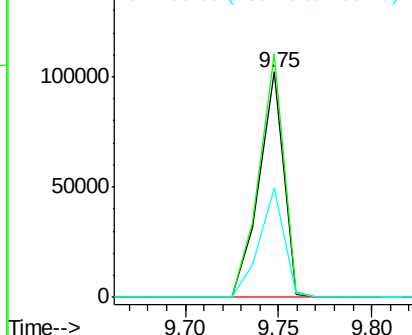
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: BF088917.D
 Acq: 11 Jul 2016 23:47

Instrument :
 BNA_F
 ClientSampleId :
 07-B3(0-11)C

Tgt Ion:164 Resp: 93007
 Ion Ratio Lower Upper
 164 100
 162 107.9 85.4 128.2
 160 48.4 39.5 59.3

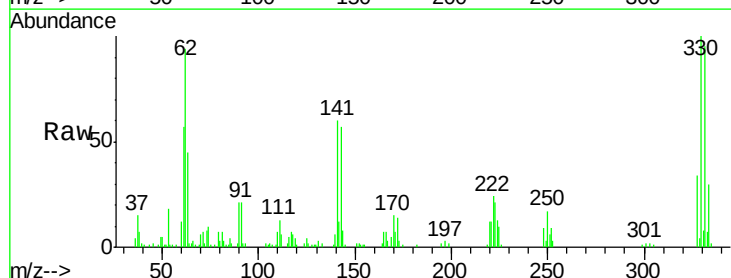


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

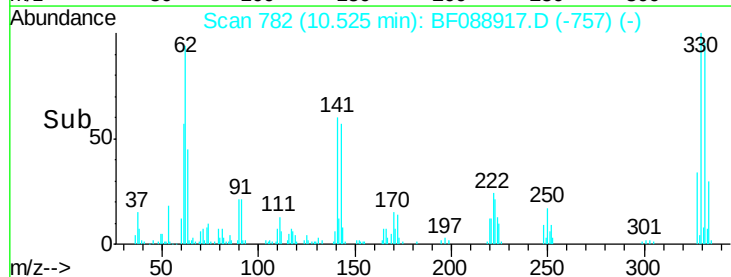
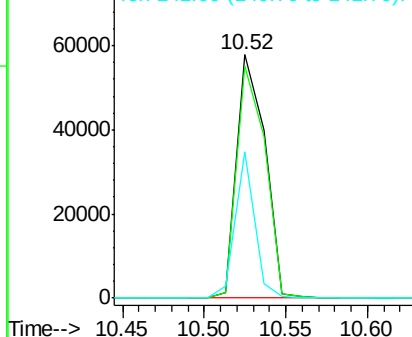


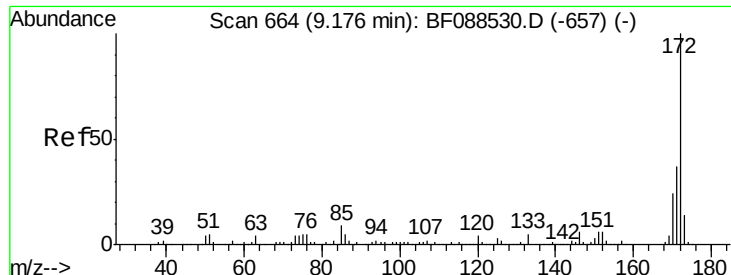
#41
 2,4,6-Tribromophenol
 Concen: 79.88 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088917.D
 Acq: 11 Jul 2016 23:47

Tgt Ion:330 Resp: 68986
 Ion Ratio Lower Upper
 330 100
 332 95.5 0.0 0.0#
 141 41.4 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

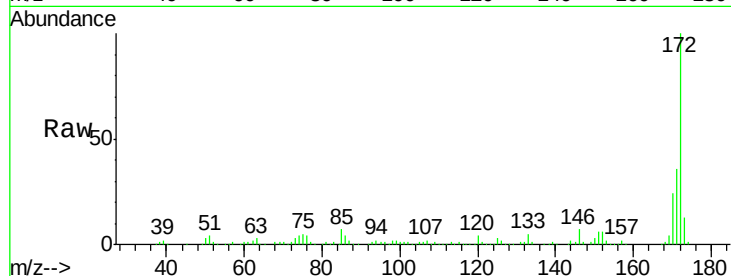




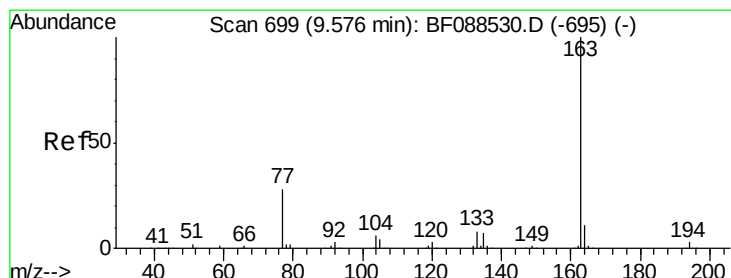
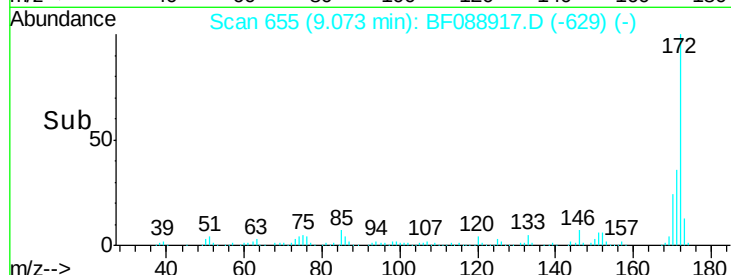
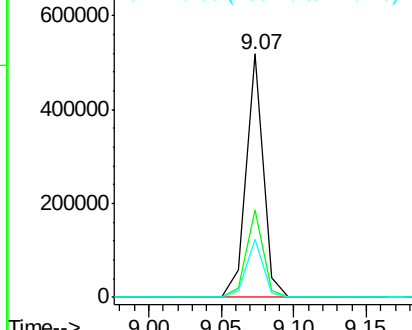
#44
 2-Fluorobiphenyl
 Concen: 72.42 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: BF088917.D
 Acq: 11 Jul 2016 23:47

Instrument :
 BNA_F
 ClientSampleId :
 07-B3(0-11)C

Tgt Ion:172 Resp: 426388
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 24.0 19.2 28.8

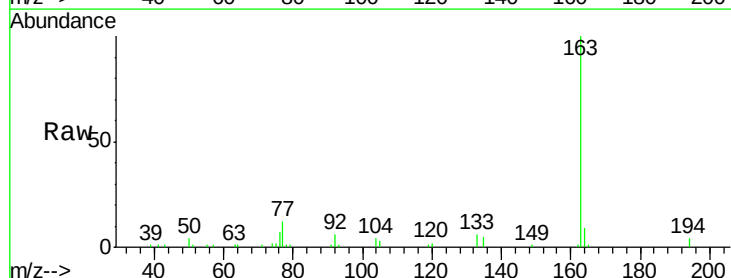


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

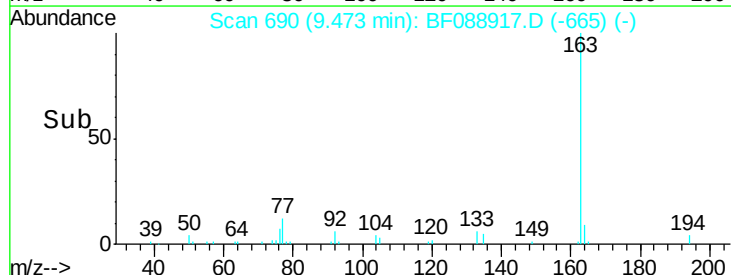
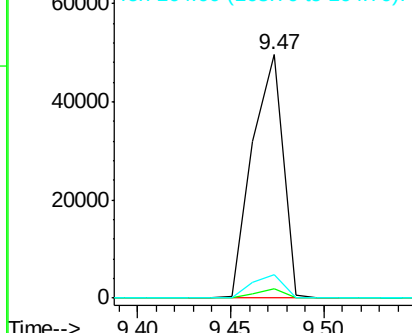


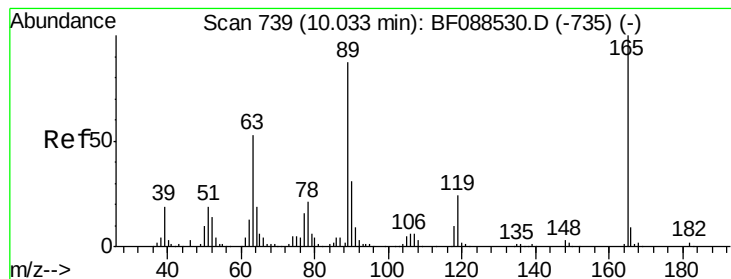
#49
 Dimethylphthalate
 Concen: 8.53 ng
 RT: 9.47 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: BF088917.D
 Acq: 11 Jul 2016 23:47

Tgt Ion:163 Resp: 56517
 Ion Ratio Lower Upper
 163 100
 194 3.9 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: 6.11 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.19 min

Lab File: BF088917.D

Acq: 11 Jul 2016 23:47

Instrument :

BNA_F

ClientSampleId :

07-B3(0-11)C

Tgt Ion:165 Resp: 11740

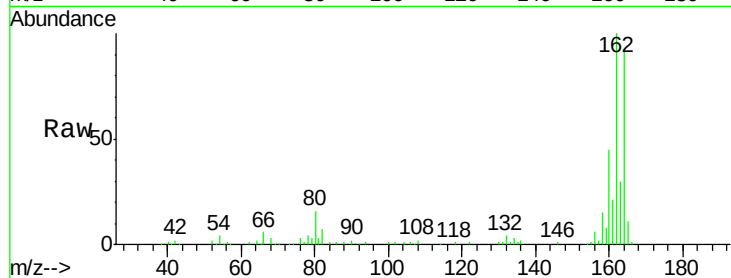
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

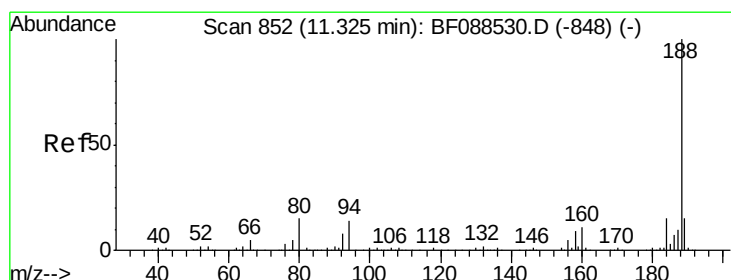
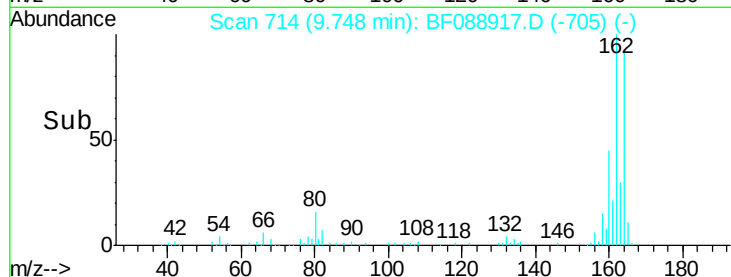
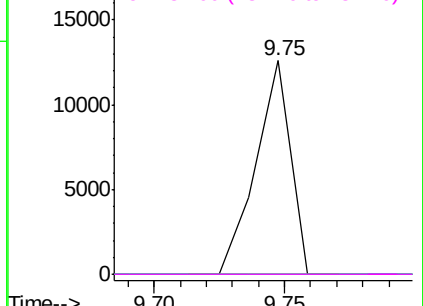


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF088917.D

Acq: 11 Jul 2016 23:47

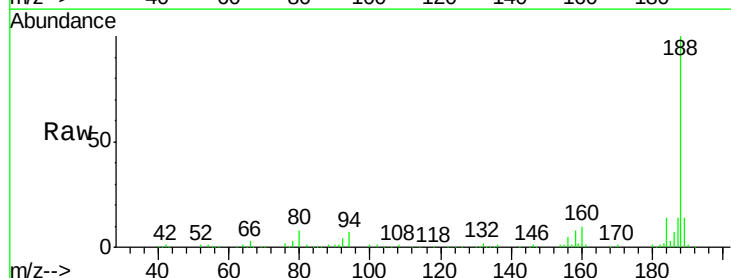
Tgt Ion:188 Resp: 146181

Ion Ratio Lower Upper

188 100

94 7.5 9.0 13.6#

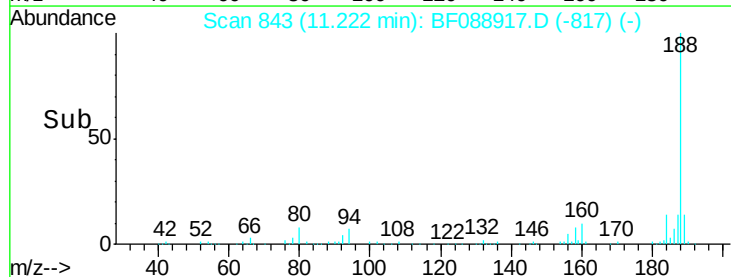
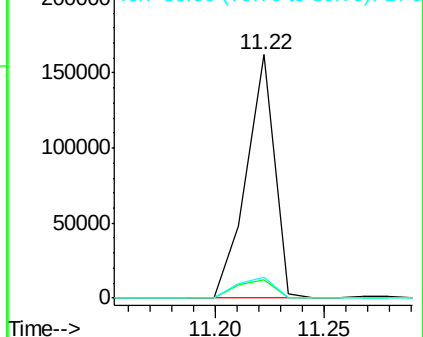
80 8.4 10.0 15.0#

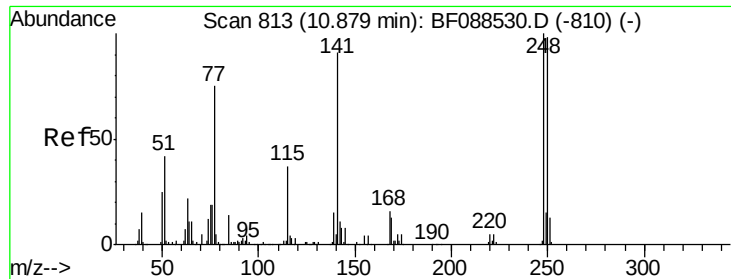


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.10 ng

RT: 10.52 min Scan# 782

Delta R.T. -0.25 min

Lab File: BF088917.D

Acq: 11 Jul 2016 23:47

Instrument :

BNA_F

ClientSampleId :

07-B3(0-11)C

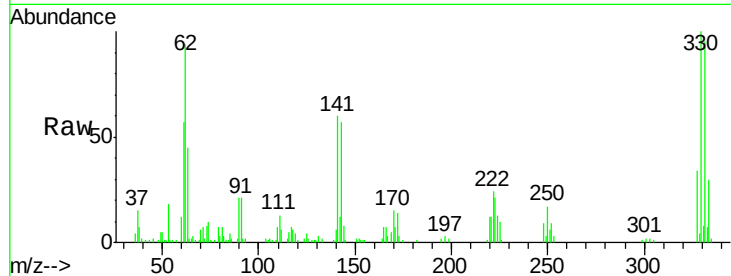
Tgt Ion:248 Resp: 4560

Ion Ratio Lower Upper

248 100

250 195.2 77.1 115.7#

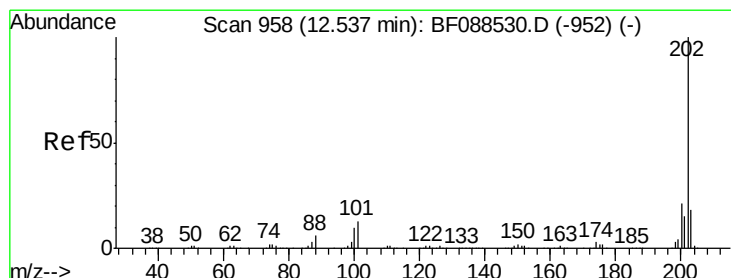
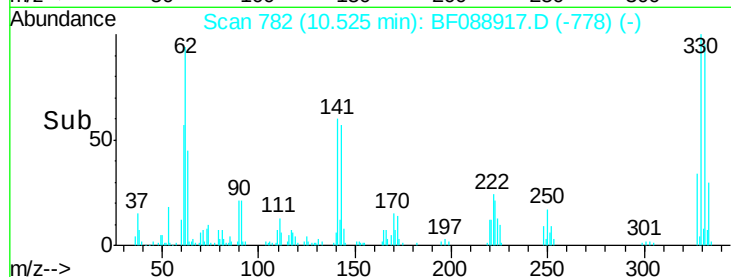
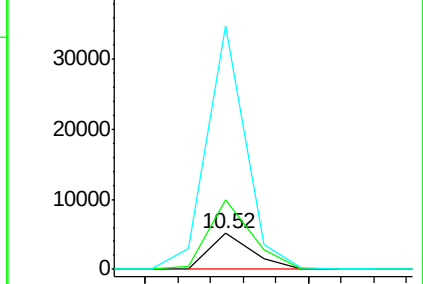
141 681.1 50.6 76.0#



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



#74

Fluoranthene

Concen: 3.86 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF088917.D

Acq: 11 Jul 2016 23:47

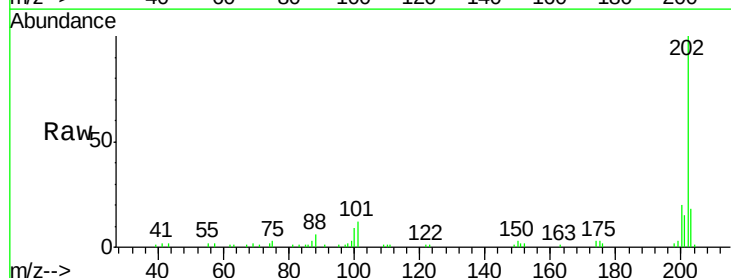
Tgt Ion:202 Resp: 31242

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.1

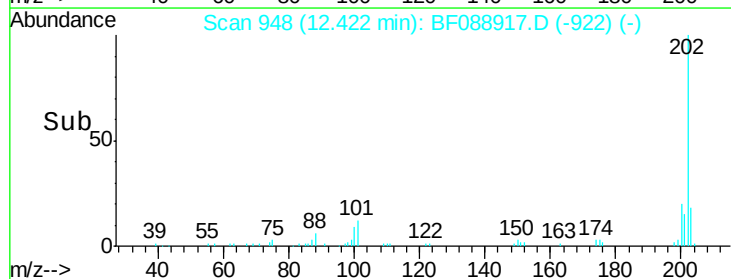
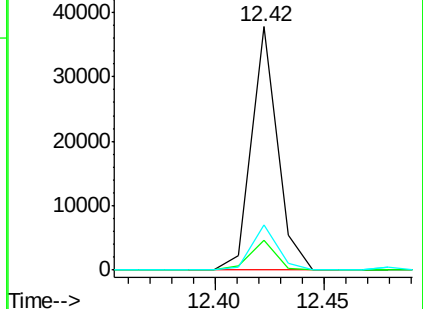
203 18.4 0.0 38.1

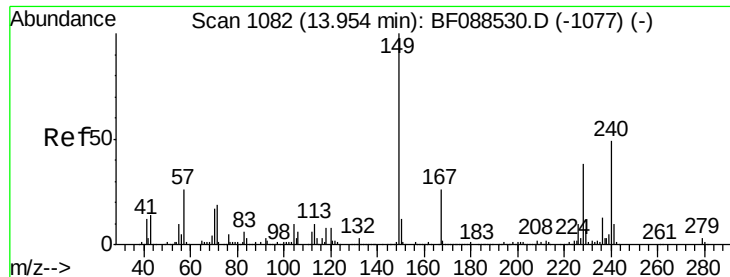


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF088917.D

Acq: 11 Jul 2016 23:47

Instrument :

BNA_F

ClientSampleId :

07-B3(0-11)C

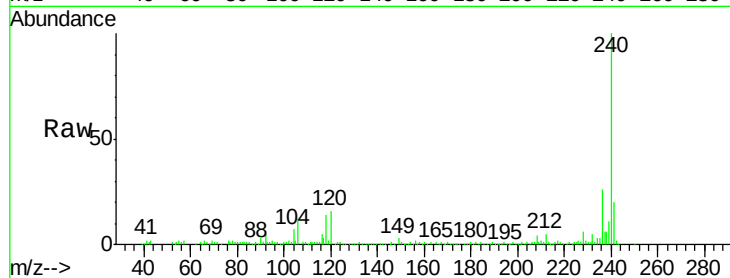
Tgt Ion:240 Resp: 125054

Ion Ratio Lower Upper

240 100

120 15.9 6.8 10.2#

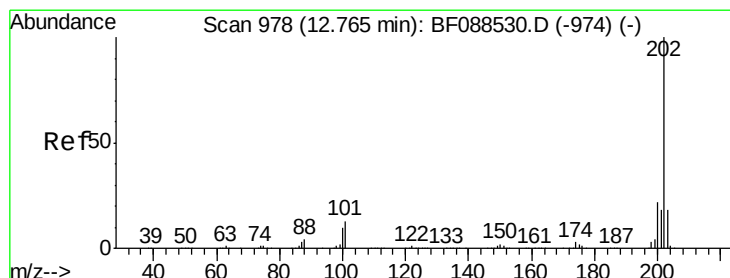
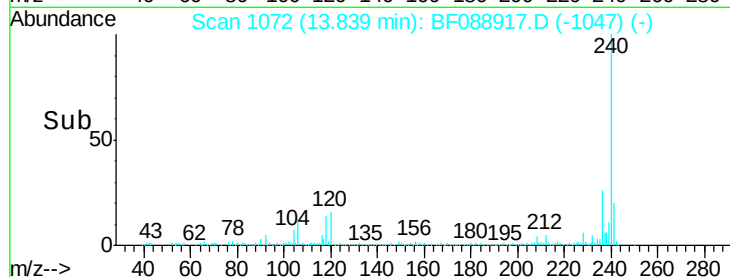
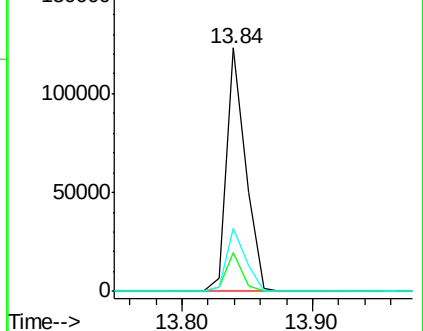
236 26.0 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.59 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF088917.D

Acq: 11 Jul 2016 23:47

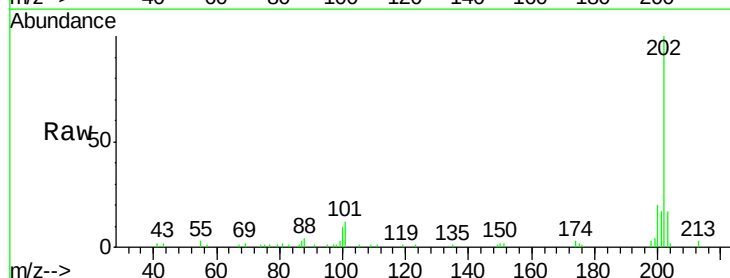
Tgt Ion:202 Resp: 27495

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

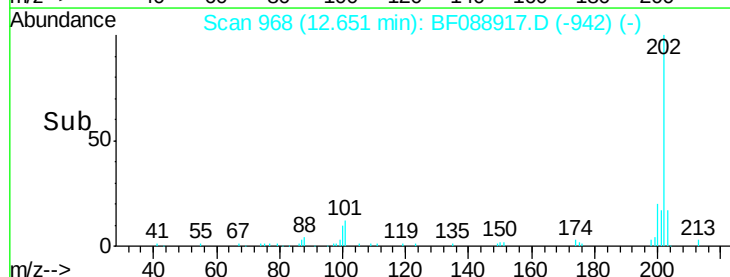
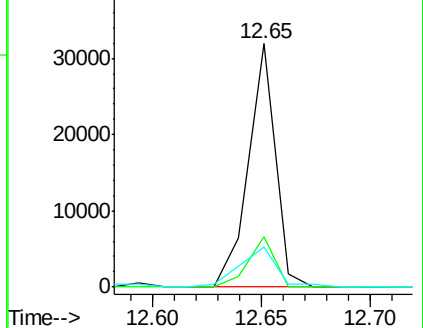
203 16.6 14.5 21.7

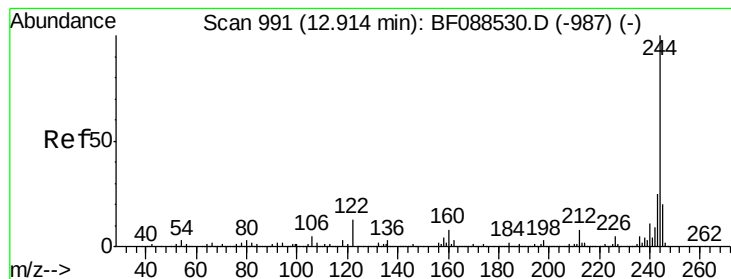


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 52.97 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.00 min

Lab File: BF088917.D

Acq: 11 Jul 2016 23:47

Instrument :

BNA_F

ClientSampleId :

07-B3(0-11)C

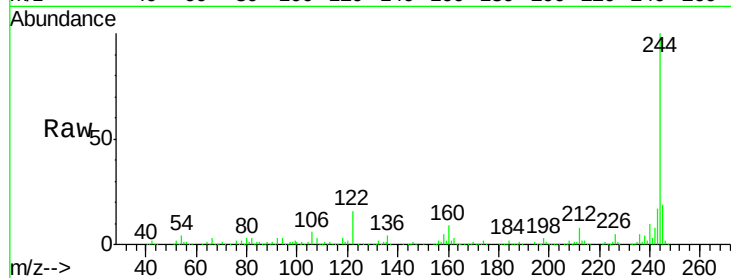
Tgt Ion:244 Resp: 297373

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

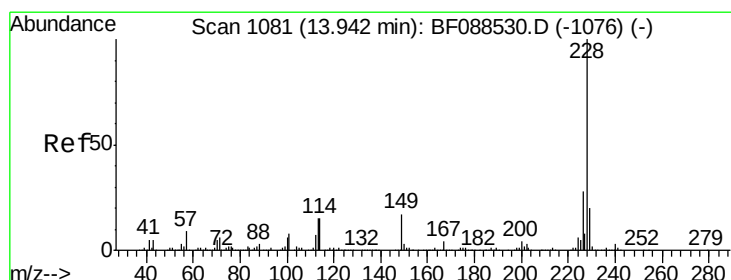
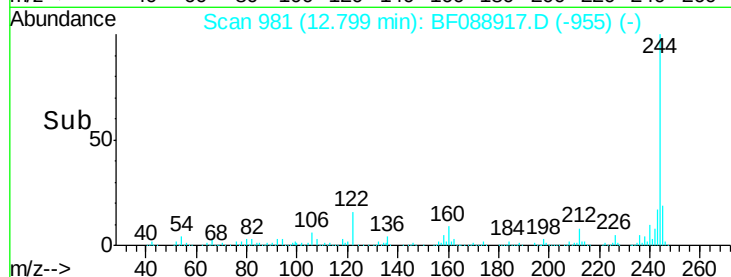
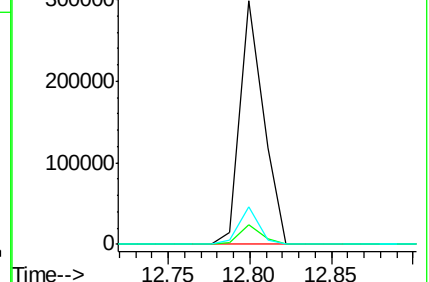
122 15.5 11.2 16.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.25 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF088917.D

Acq: 11 Jul 2016 23:47

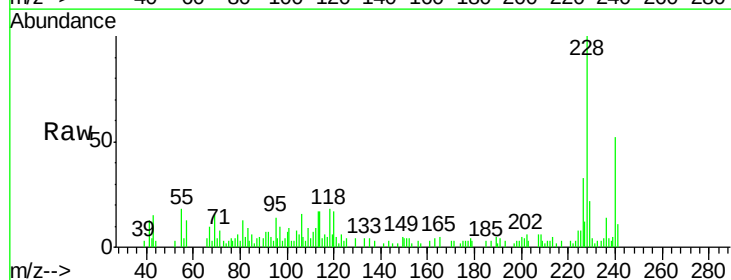
Tgt Ion:228 Resp: 18084

Ion Ratio Lower Upper

228 100

226 32.9 22.3 33.5

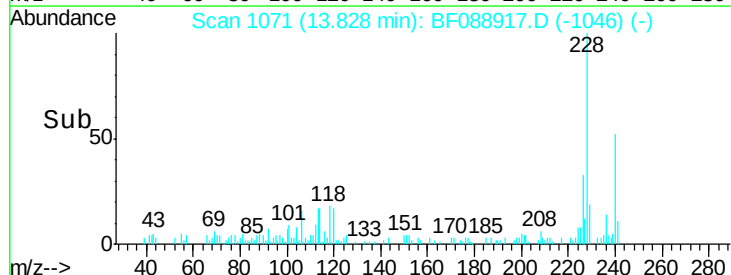
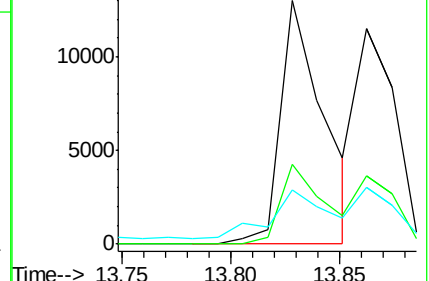
229 22.0 16.0 24.0

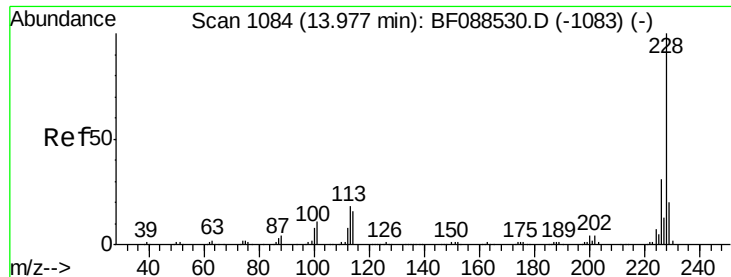


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.27 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.05 min

Lab File: BF088917.D

Acq: 11 Jul 2016 23:47

Instrument :

BNA_F

ClientSampleId :

07-B3(0-11)C

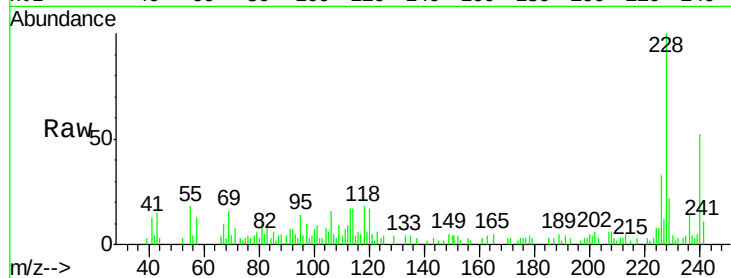
Tgt Ion:228 Resp: 18084

Ion Ratio Lower Upper

228 100

226 32.9 25.4 38.2

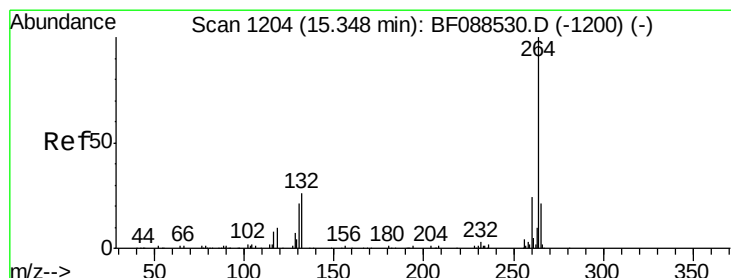
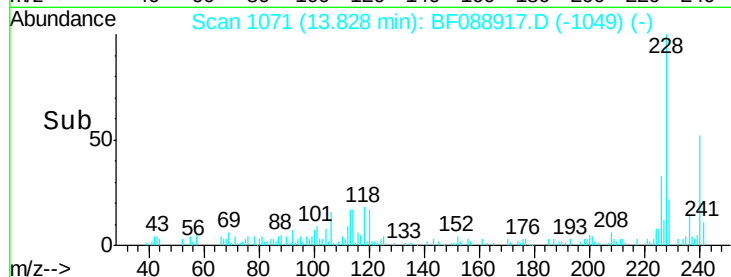
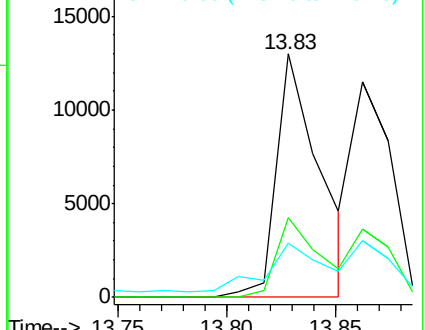
229 22.0 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.22 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BF088917.D

Acq: 11 Jul 2016 23:47

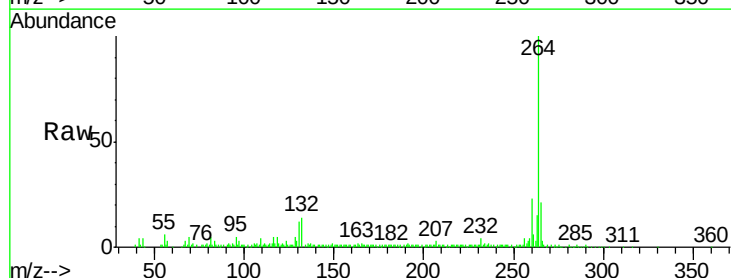
Tgt Ion:264 Resp: 109989

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

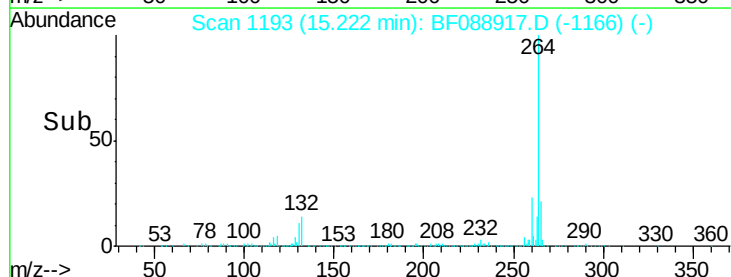
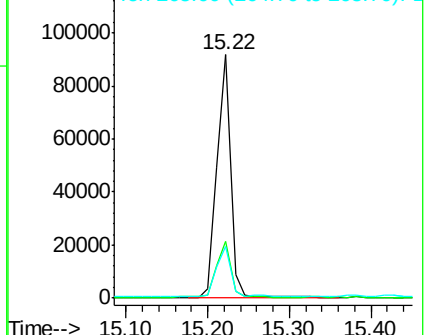
265 21.4 16.9 25.3

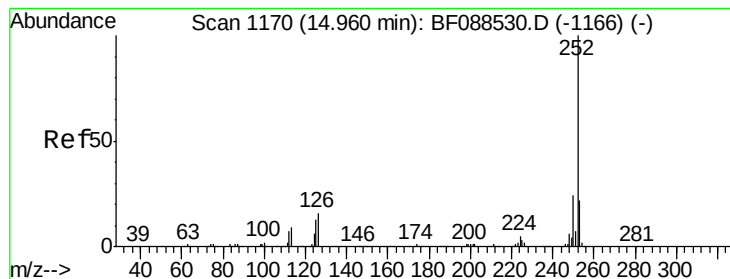


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.82 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BF088917.D

Acq: 11 Jul 2016 23:47

Instrument :

BNA_F

ClientSampleId :

07-B3(0-11)C

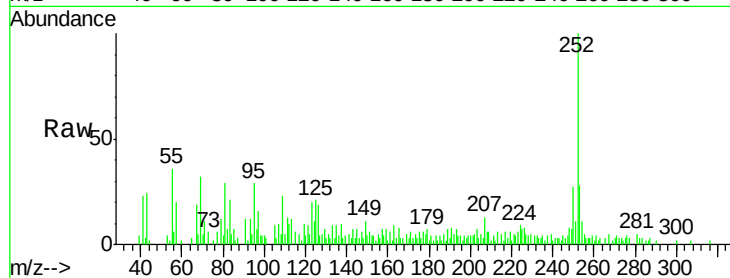
Tgt Ion:252 Resp: 26327

Ion Ratio Lower Upper

252 100

253 28.1 17.4 26.2#

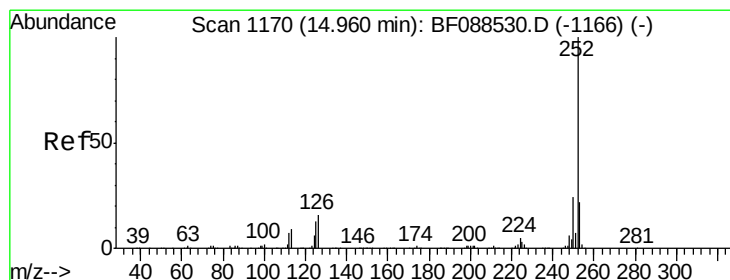
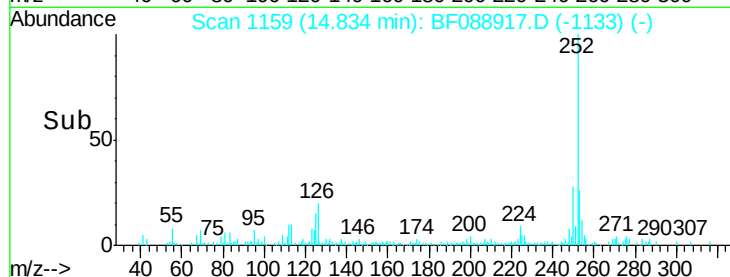
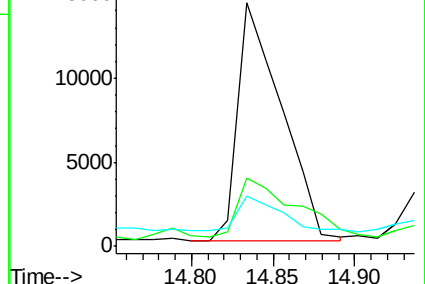
125 20.6 7.1 10.7#



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: 4.38 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF088917.D

Acq: 11 Jul 2016 23:47

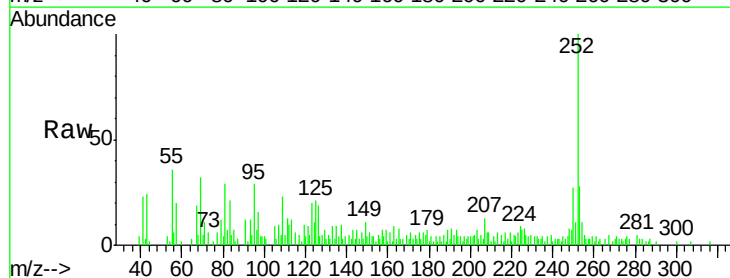
Tgt Ion:252 Resp: 26327

Ion Ratio Lower Upper

252 100

253 28.1 18.0 27.0#

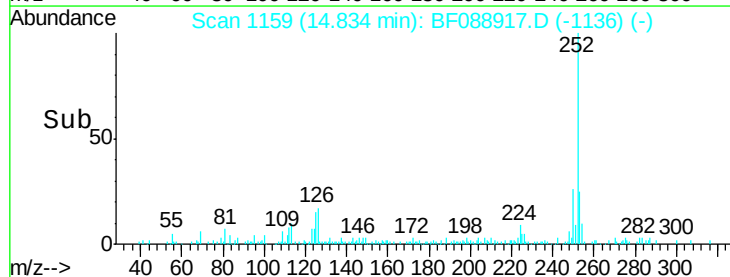
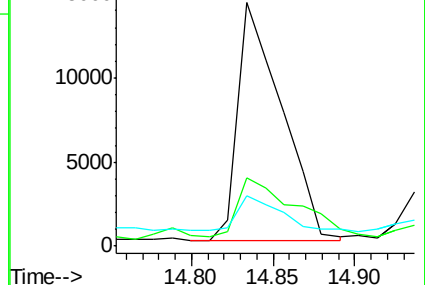
125 20.6 11.2 16.8#

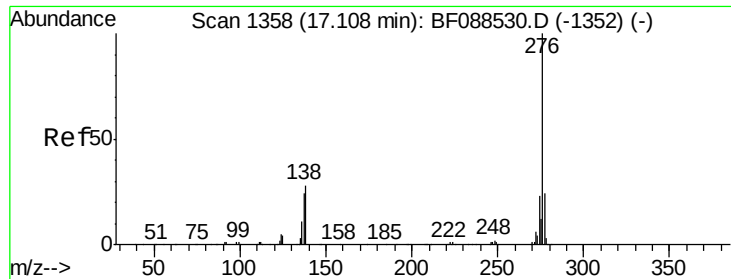


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.15 ng

RT: 16.89 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BF088917.D

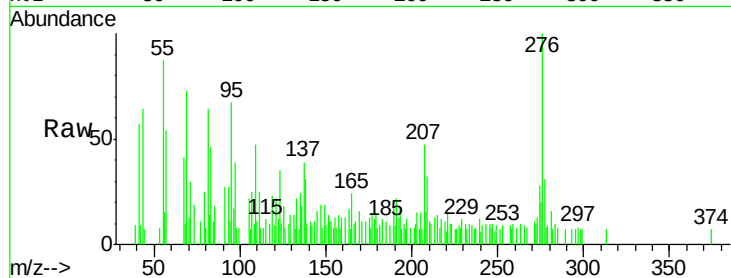
Acq: 11 Jul 2016 23:47

Instrument :

BNA_F

ClientSampleId :

07-B3(0-11)C



Tgt Ion:	276	Resp:	10865
Ion	Ratio	Lower	Upper
276	100		
277	31.0	18.9	28.3#
138	30.6	21.4	32.2

