

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070516\
 Data File : BF088728.D
 Acq On : 6 Jul 2016 3:32
 Operator : UM/SJ
 Sample : H3881-15
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B8-0-5-C

Quant Time: Jul 06 06:38:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 06 01:47:10 2016
 Response via : Initial Calibration

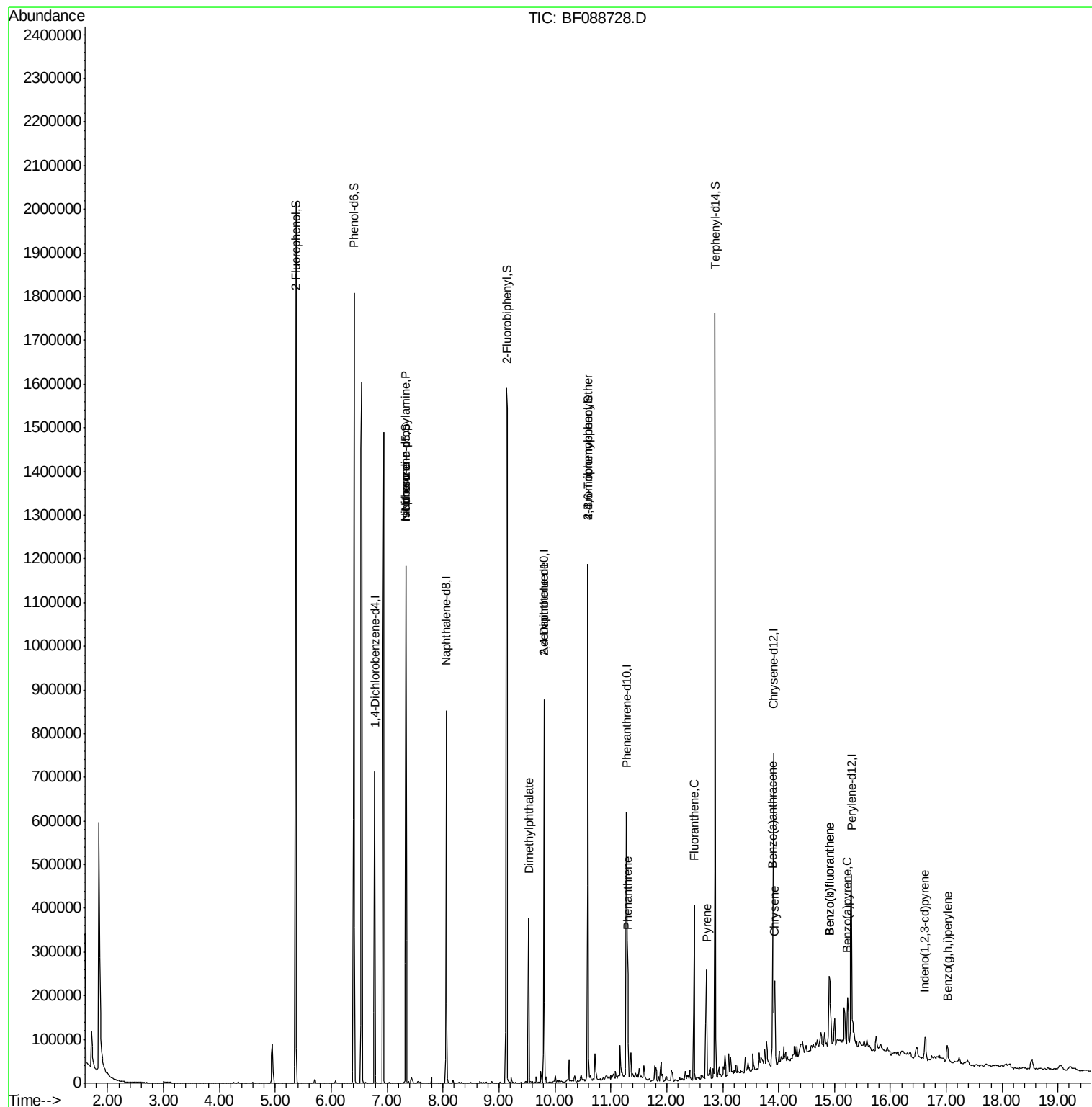
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	101130	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	363767	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	159276	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	250921	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	195738	20.00	ng	-0.01
86) Perylene-d12	15.30	264	177571	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	574442	85.13	ng	0.00
7) Phenol-d6	6.41	99	693889	79.58	ng	0.00
23) Nitrobenzene-d5	7.34	82	436452	62.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	135095	91.34	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	769773	76.34	ng	0.00
78) Terphenyl-d14	12.87	244	485496	55.25	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.34	70	58263	9.95	ng	# 73
25) Isophorone	7.34	82	367402	28.57	ng	# 65
49) Dimethylphthalate	9.53	163	151628	13.36	ng	99
56) 2,4-Dinitrotoluene	9.80	165	20478	6.23	ng	# 38
66) 4-Bromophenyl-phenylether	10.59	248	10013	3.96	ng	# 1
70) Phenanthrene	11.30	178	89349	6.51	ng	98
74) Fluoranthene	12.49	202	167018	12.01	ng	95
77) Pyrene	12.72	202	129186	7.78	ng	97
80) Benzo(a)anthracene	13.90	228	83074	6.59	ng	99
82) Chrysene	13.93	228	56881	4.56	ng	95
85) Indeno(1,2,3-cd)pyrene	16.62	276	30871	3.22	ng	# 100
87) Benzo(b)fluoranthene	14.91	252	119737	10.75	ng	# 95
88) Benzo(k)fluoranthene	14.91	252	119737	12.35	ng	99
89) Benzo(a)pyrene	15.23	252	51066	5.41	ng	96
91) Benzo(g,h,i)perylene	17.02	276	31017	3.81	ng	98

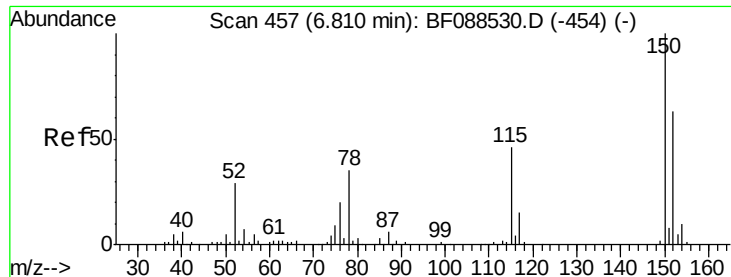
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

Instrument :

BNA_F

ClientSampleId :

Q6-B8-0-5-C

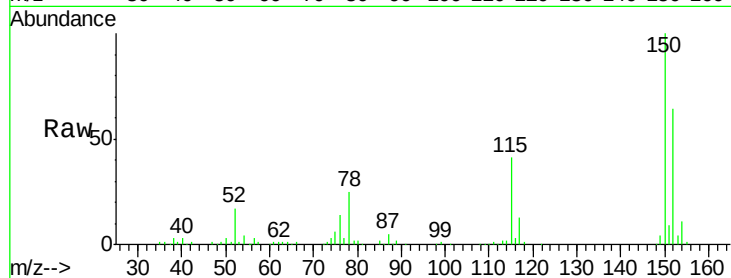
Tgt Ion:152 Resp: 101130

Ion Ratio Lower Upper

152 100

150 155.7 123.8 185.6

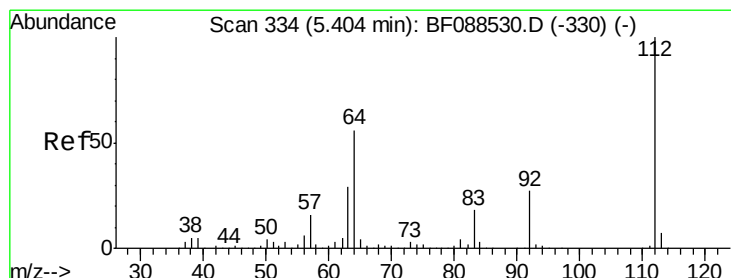
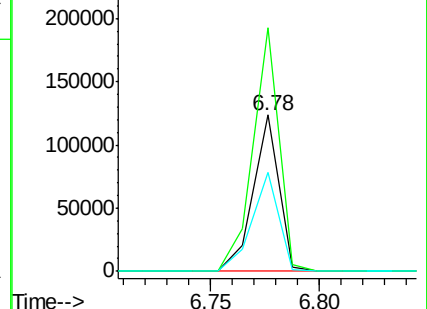
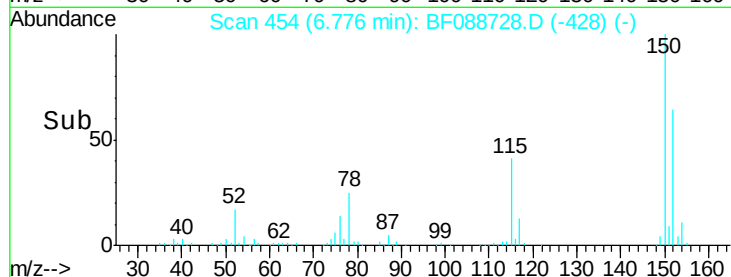
115 63.5 39.6 59.4#



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: 85.13 ng

RT: 5.37 min Scan# 331

Delta R.T. 0.00 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

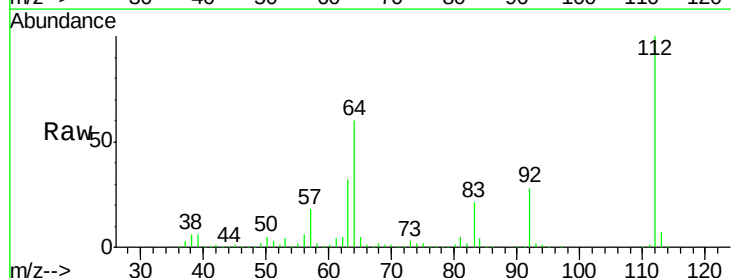
Tgt Ion:112 Resp: 574442

Ion Ratio Lower Upper

112 100

64 59.8 42.2 63.2

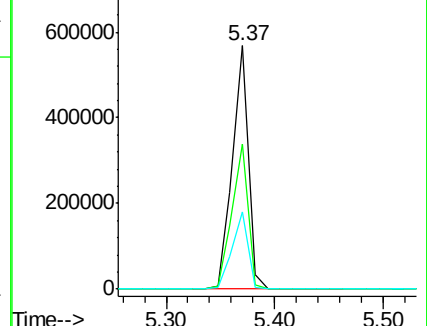
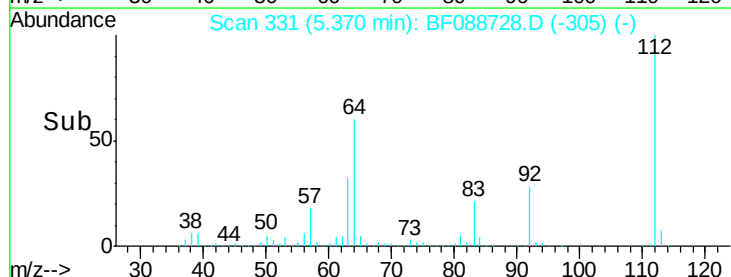
63 31.7 21.8 32.8

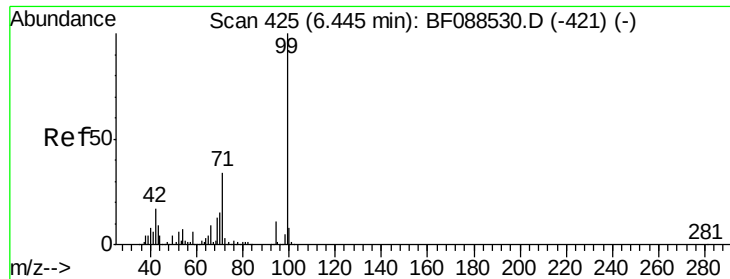


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 79.58 ng

RT: 6.41 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

Instrument :

BNA_F

ClientSampleId :

Q6-B8-0-5-C

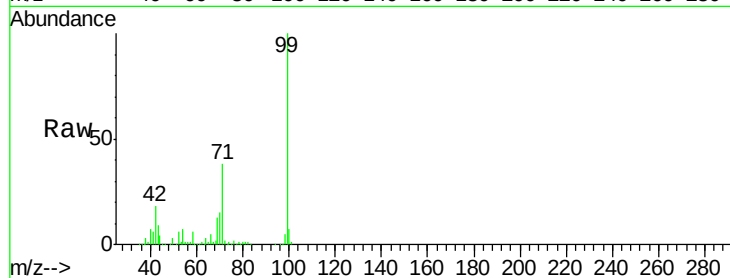
Tgt Ion: 99 Resp: 693889

Ion Ratio Lower Upper

99 100

42 17.7 12.2 18.2

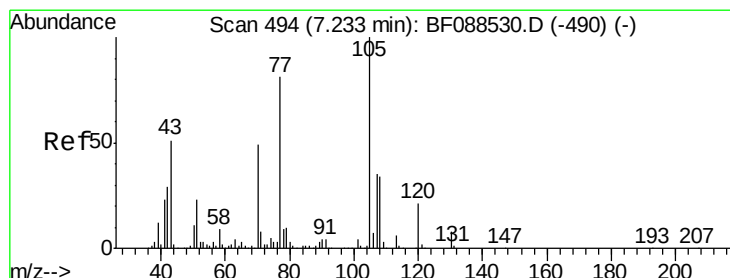
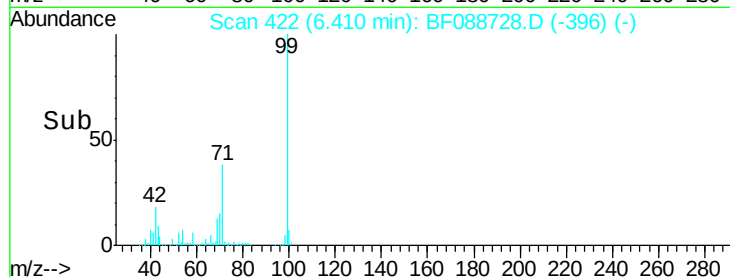
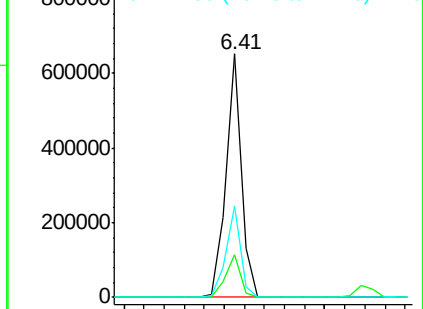
71 37.5 23.4 35.0#



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: 9.95 ng

RT: 7.34 min Scan# 503

Delta R.T. 0.14 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

Tgt Ion: 70 Resp: 58263

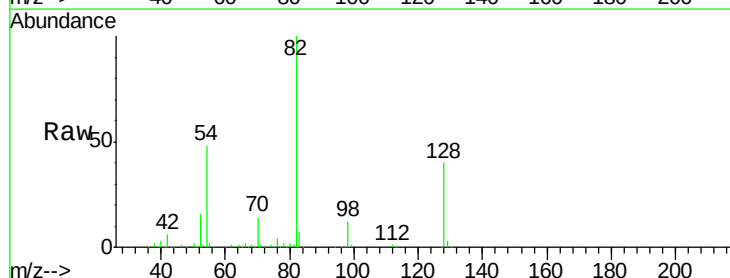
Ion Ratio Lower Upper

70 100

42 44.0 49.6 74.4#

101 0.0 7.1 10.7#

130 1.7 15.4 23.2#

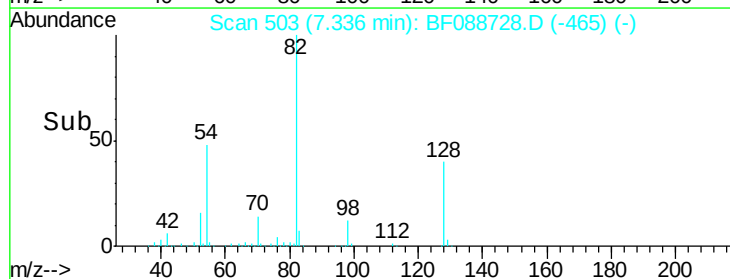
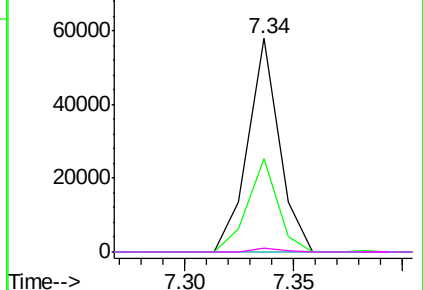


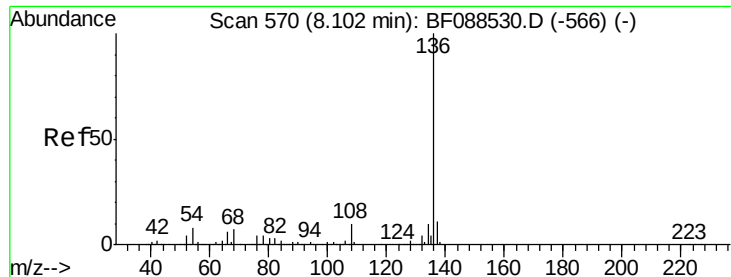
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

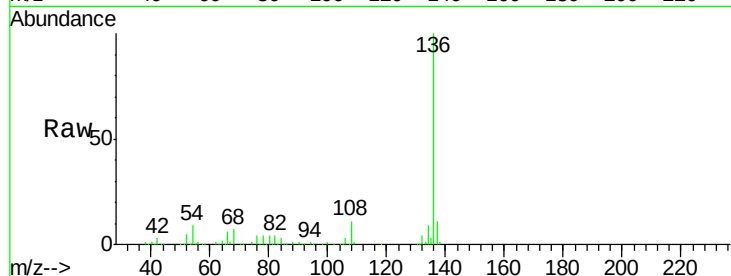




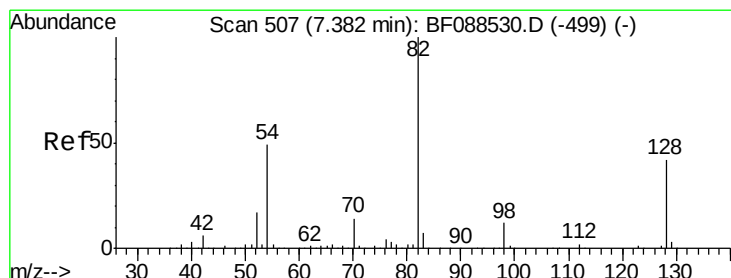
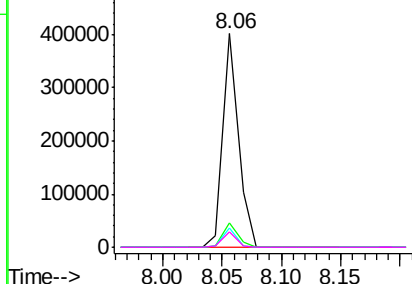
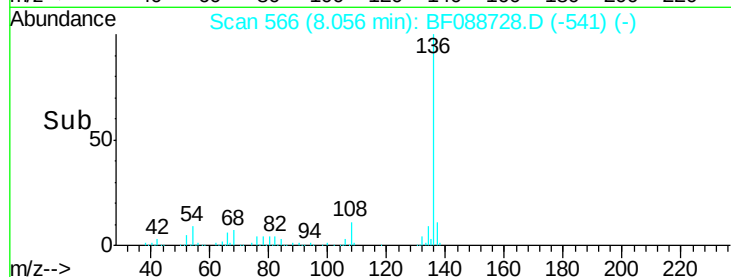
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Instrument :
BNA_F
ClientSampleId :
Q6-B8-0-5-C

Tgt Ion:	136	Resp:	363767
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.9	6.6	10.0
68	7.2	5.1	7.7

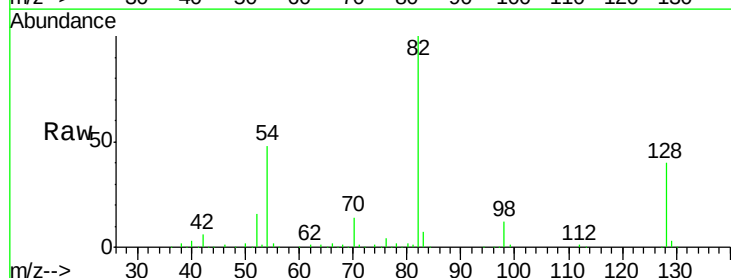


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

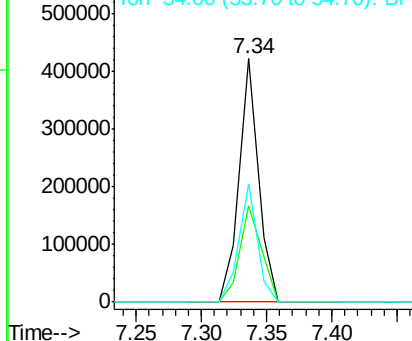
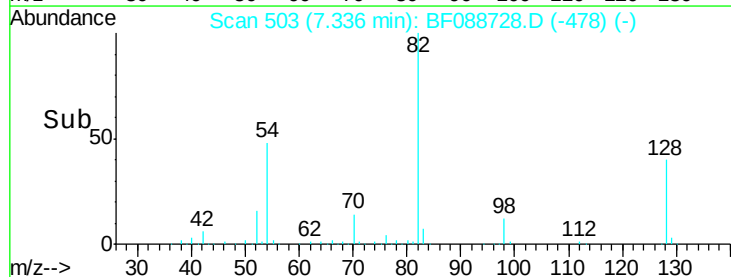


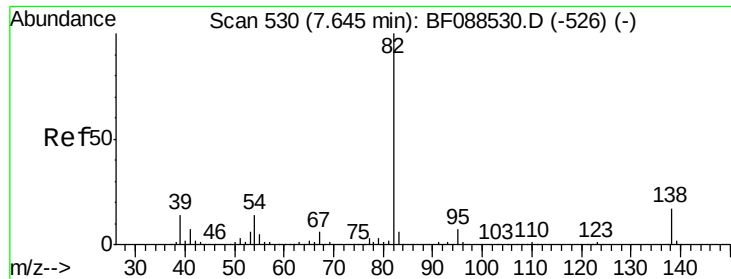
#23
Nitrobenzene-d5
Concen: 62.88 ng
RT: 7.34 min Scan# 503
Delta R.T. -0.01 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Tgt Ion:	82	Resp:	436452
Ion	Ratio	Lower	Upper
82	100		
128	39.5	35.9	53.9
54	48.4	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





#25

Isophorone

Concen: 28.57 ng

RT: 7.34 min Scan# 503

Delta R.T. -0.27 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

Instrument :

BNA_F

ClientSampleId :

Q6-B8-0-5-C

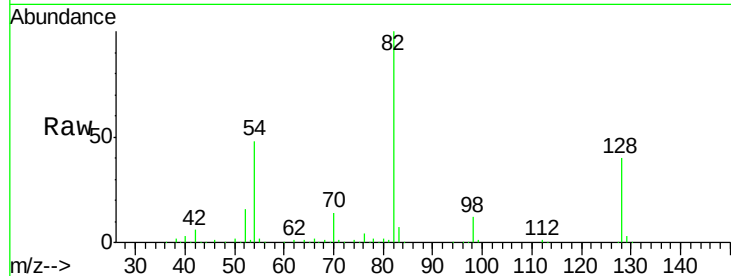
Tgt Ion: 82 Resp: 367402

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

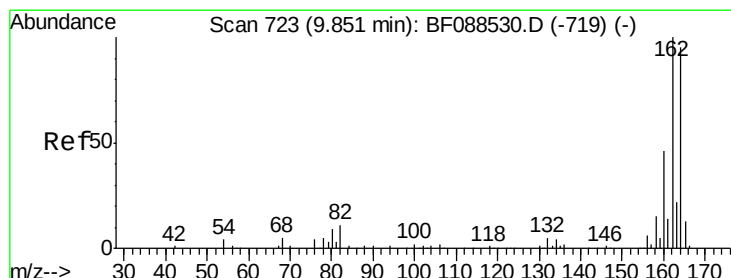
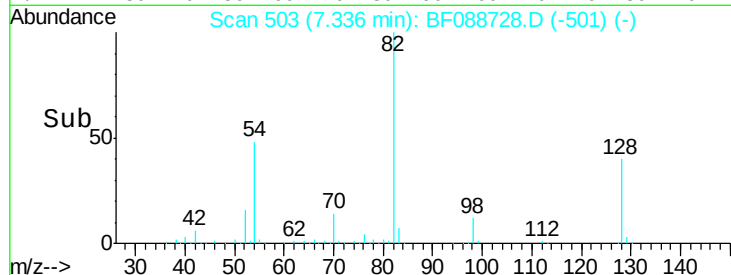
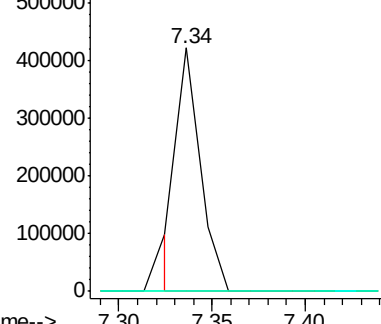
138 0.0 14.6 21.8#



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: 9.80 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

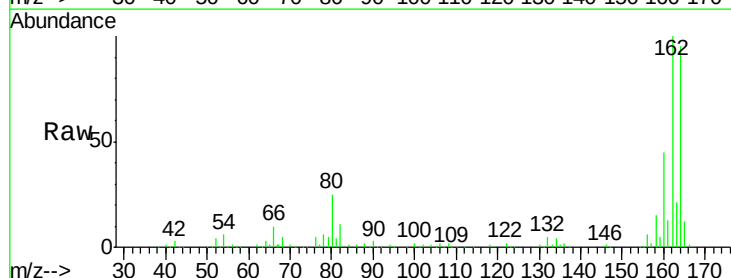
Tgt Ion: 164 Resp: 159276

Ion Ratio Lower Upper

164 100

162 104.7 85.4 128.2

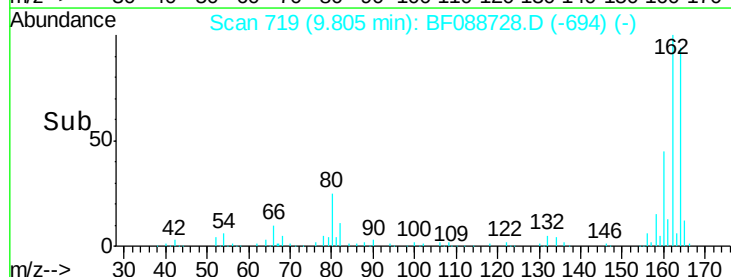
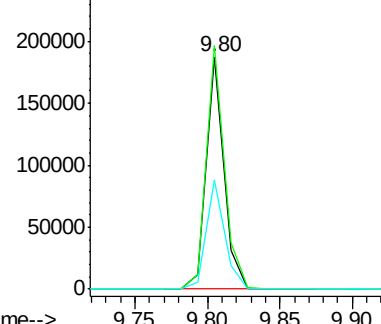
160 46.8 39.5 59.3

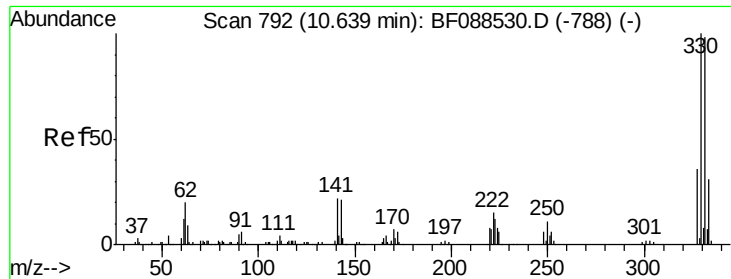


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 91.34 ng

RT: 10.59 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

Instrument :

BNA_F

ClientSampleId :

Q6-B8-0-5-C

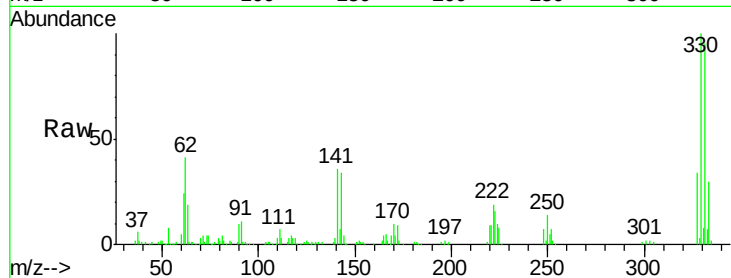
Tgt Ion:330 Resp: 135095

Ion Ratio Lower Upper

330 100

332 95.4 0.0 0.0#

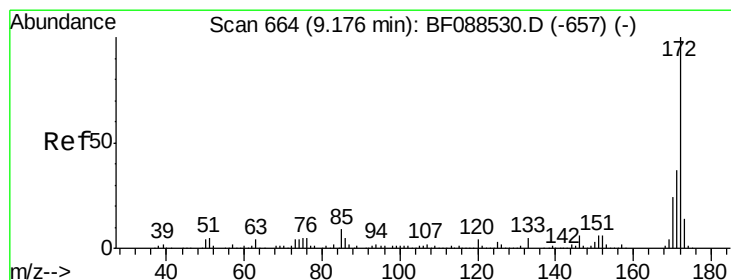
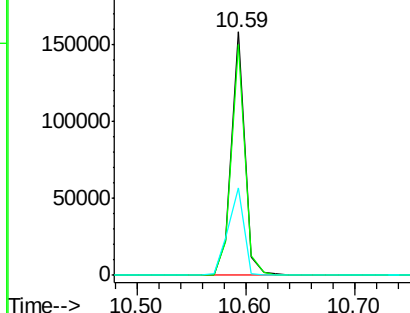
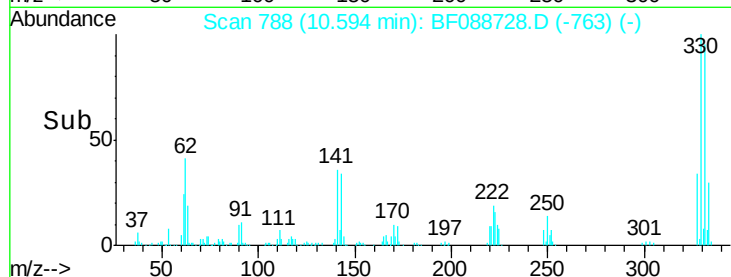
141 42.8 0.0 0.0#



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: 76.34 ng

RT: 9.14 min Scan# 661

Delta R.T. 0.00 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

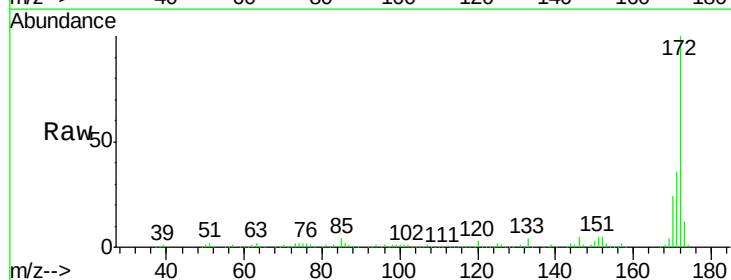
Tgt Ion:172 Resp: 769773

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

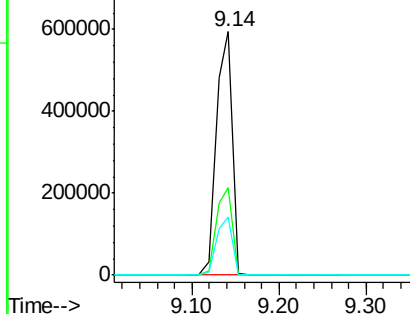
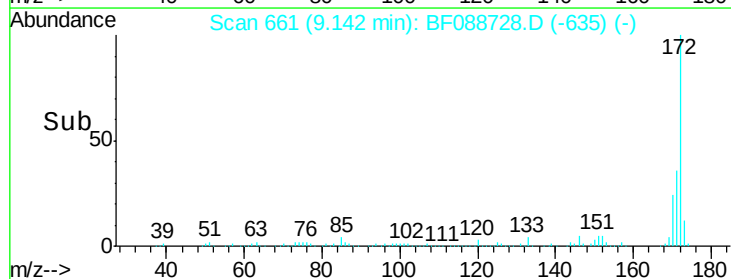
170 23.9 19.2 28.8

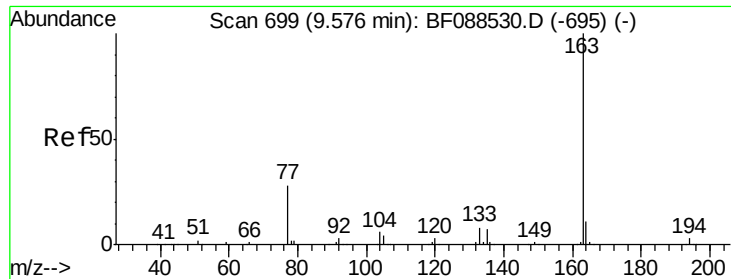


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 13.36 ng

RT: 9.53 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

Instrument :

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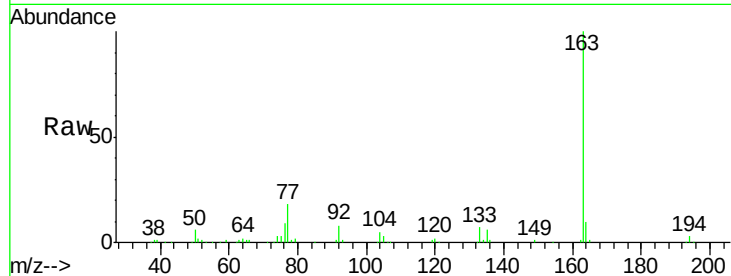
Tgt Ion:163 Resp: 151628

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

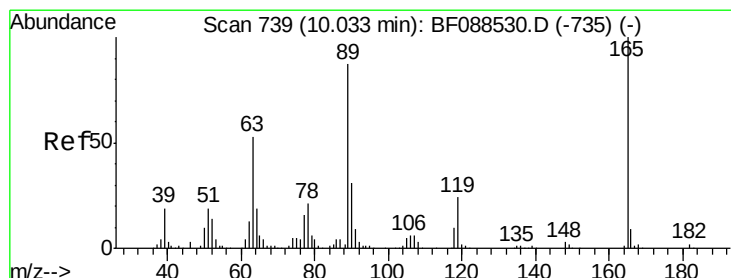
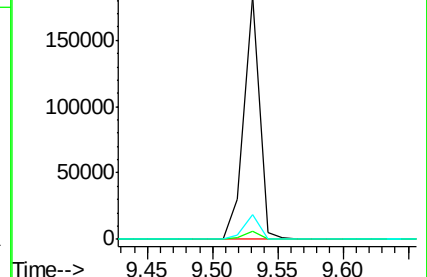
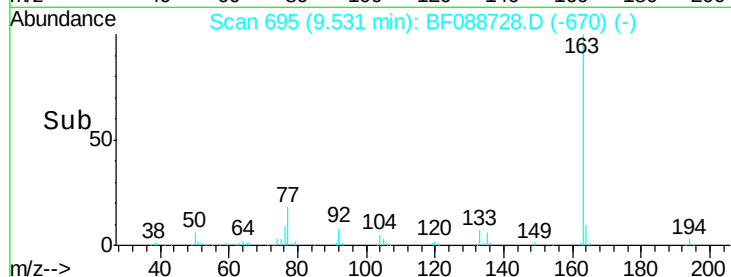
164 9.9 8.3 12.5



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: 6.23 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.19 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

Tgt Ion:165 Resp: 20478

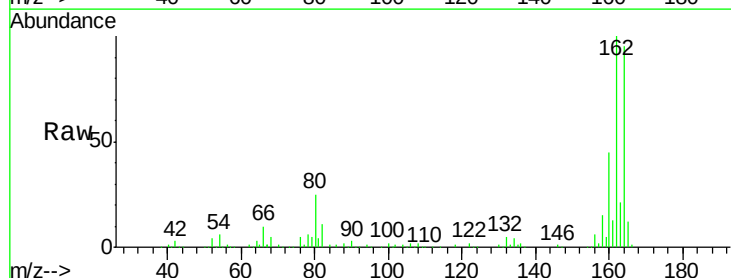
Ion Ratio Lower Upper

165 100

63 1.6 22.0 33.0#

89 1.9 41.1 61.7#

182 0.0 2.0 3.0#

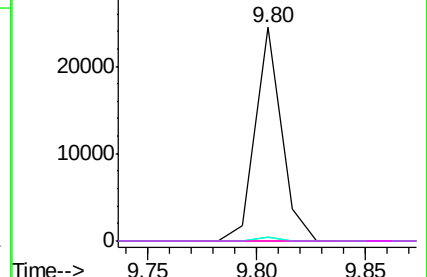
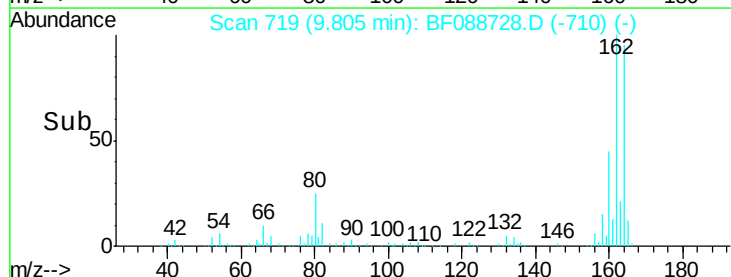


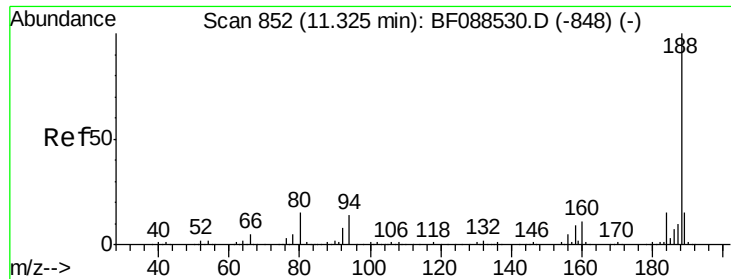
Abundance Ion 165.00 (164.70 to 165.70): E

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

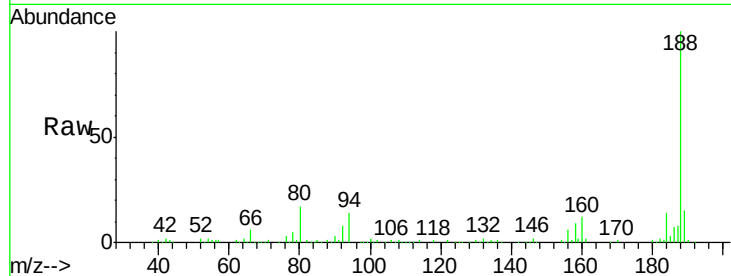




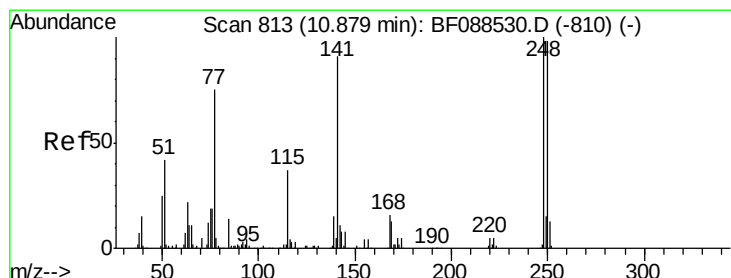
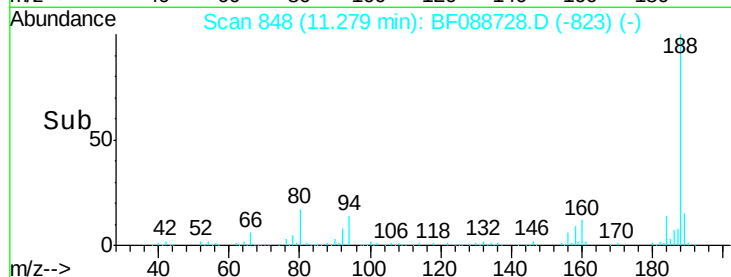
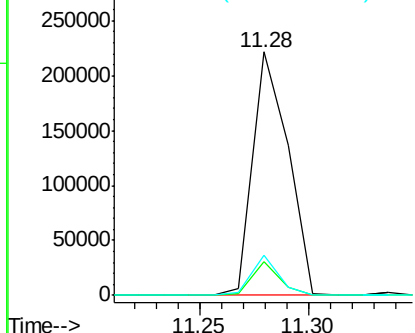
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Instrument :
BNA_F
ClientSampleId :
Q6-B8-0-5-C

Tgt Ion:188 Resp: 250921
Ion Ratio Lower Upper
188 100
94 13.6 9.0 13.6#
80 16.6 10.0 15.0#

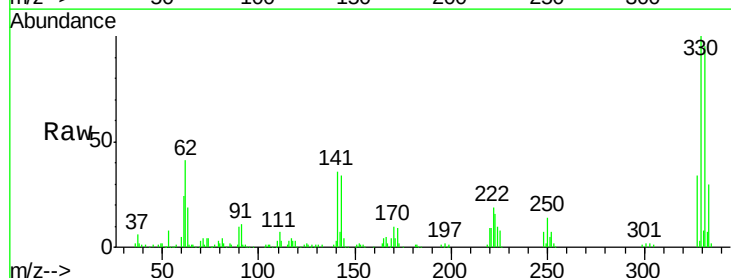


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

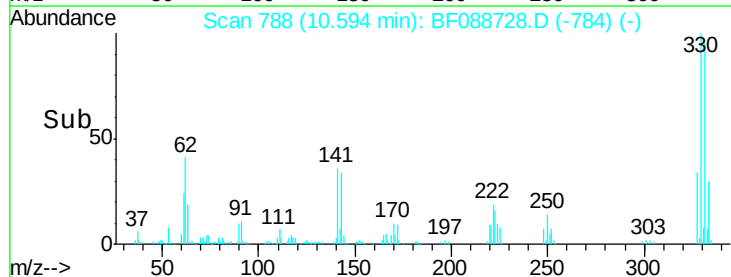
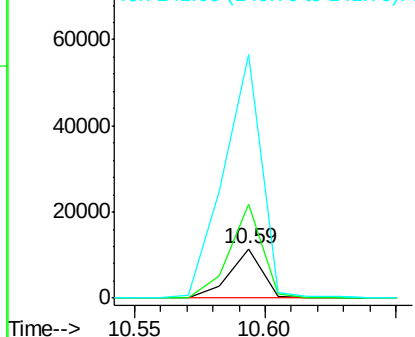


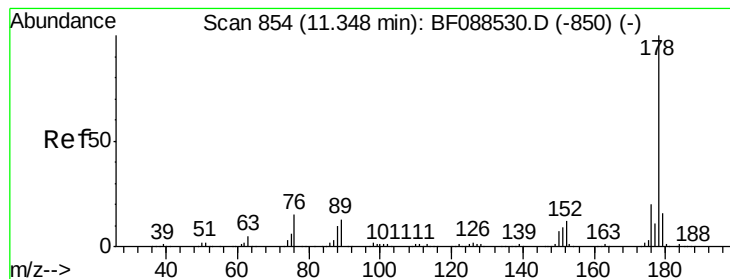
#66
4-Bromophenyl-phenylether
Concen: 3.96 ng
RT: 10.59 min Scan# 788
Delta R.T. -0.25 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Tgt Ion:248 Resp: 10013
Ion Ratio Lower Upper
248 100
250 190.2 77.1 115.7#
141 490.7 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: 6.51 ng

RT: 11.30 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

Instrument :

BNA_F

ClientSampleId :

Q6-B8-0-5-C

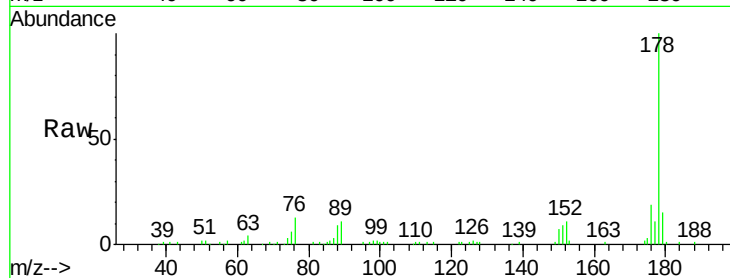
Tgt Ion:178 Resp: 89349

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.6

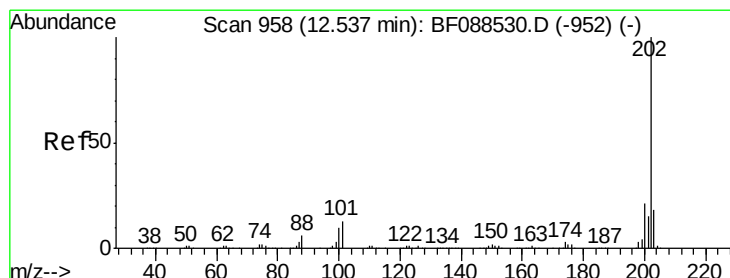
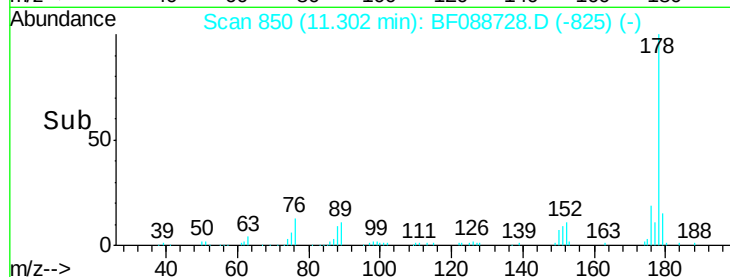
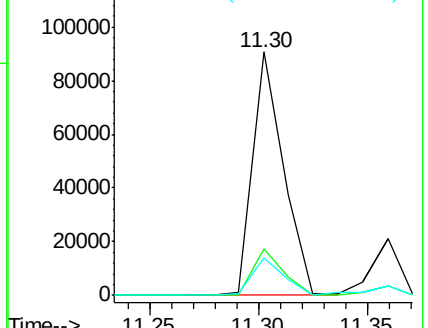
179 15.2 13.0 19.4



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: 12.01 ng

RT: 12.49 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

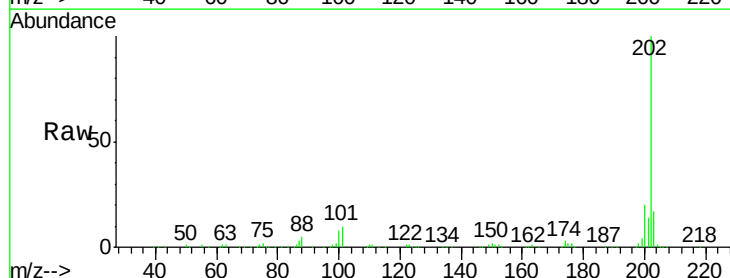
Tgt Ion:202 Resp: 167018

Ion Ratio Lower Upper

202 100

101 10.0 0.0 33.1

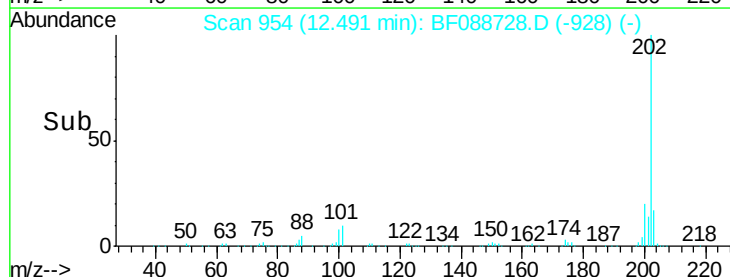
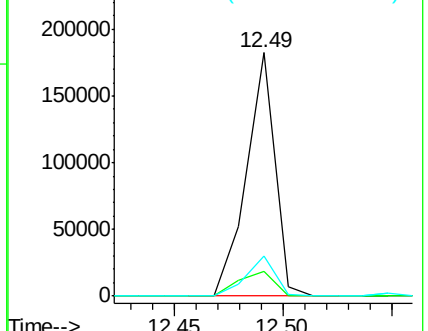
203 16.7 0.0 38.1

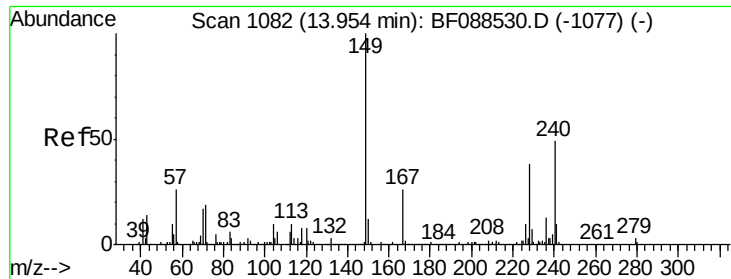


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.91 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

Instrument :

BNA_F

ClientSampleId :

Q6-B8-0-5-C

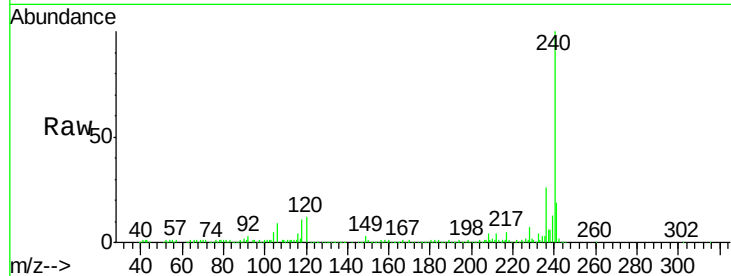
Tgt Ion:240 Resp: 195738

Ion Ratio Lower Upper

240 100

120 12.0 6.8 10.2#

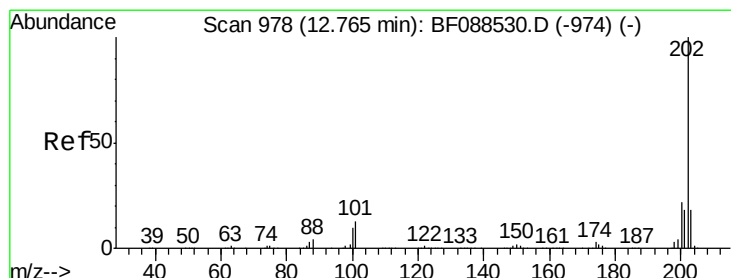
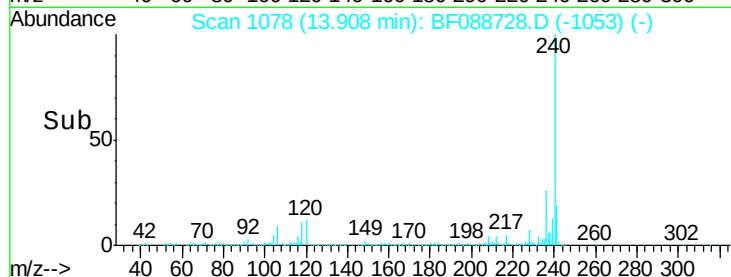
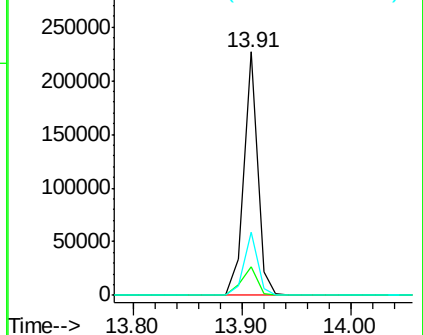
236 25.8 20.2 30.2



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: 7.78 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

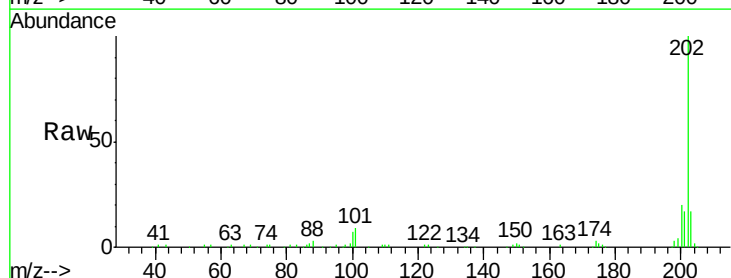
Tgt Ion:202 Resp: 129186

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

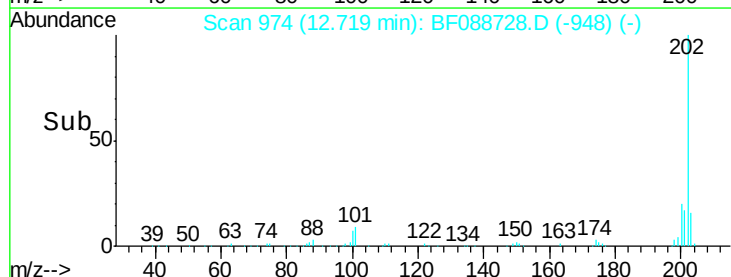
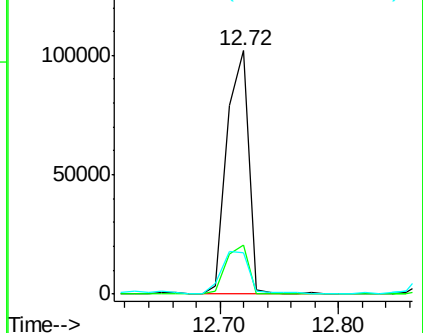
203 17.0 14.5 21.7

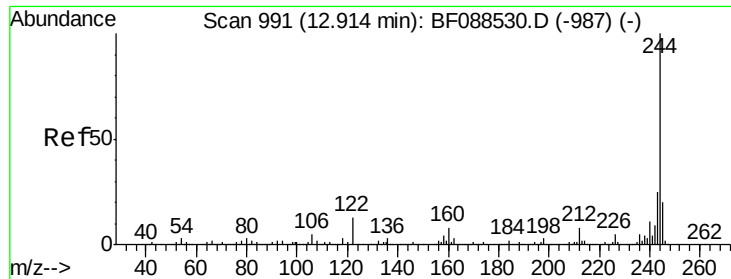


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

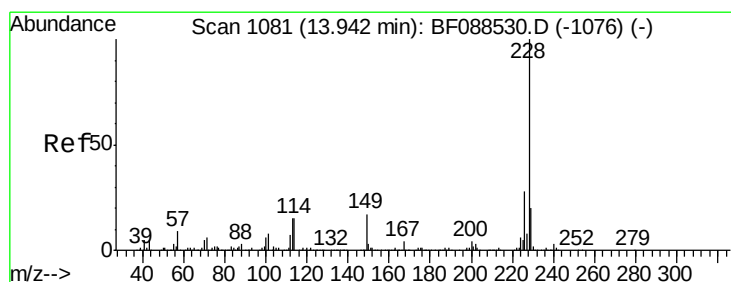
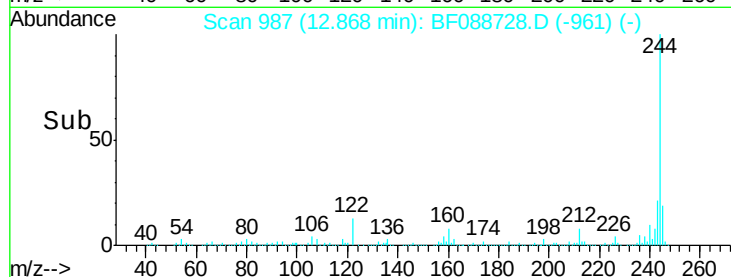
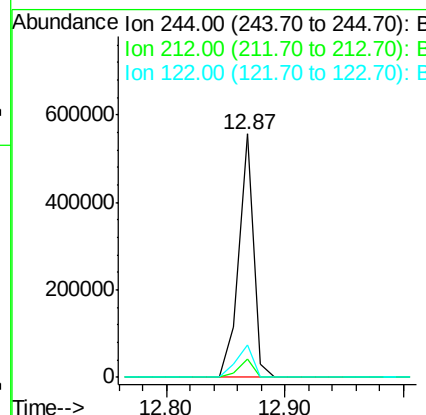
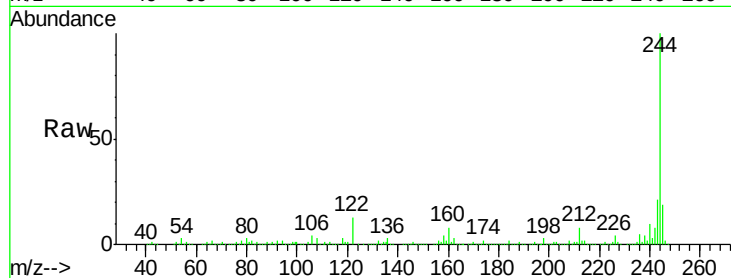




#78
 Terphenyl-d14
 Concen: 55.25 ng
 RT: 12.87 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: BF088728.D
 Acq: 6 Jul 2016 3:32

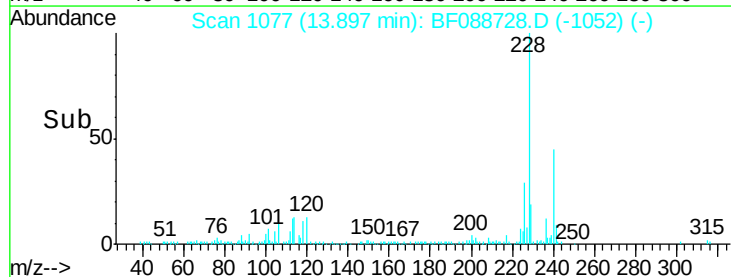
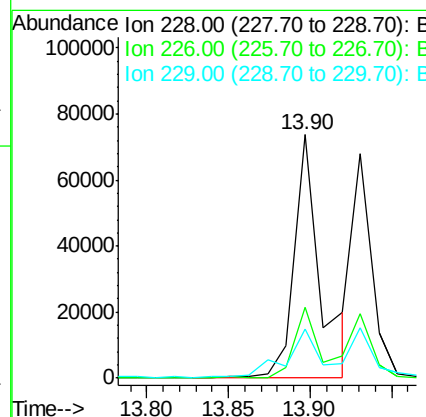
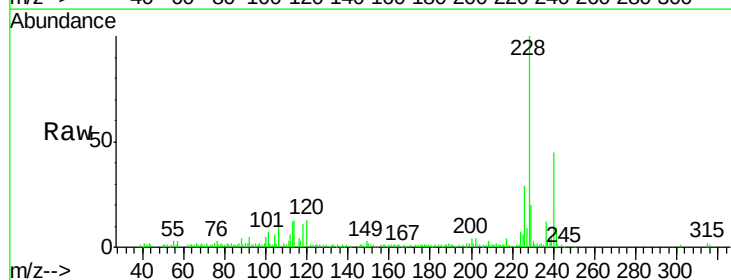
Instrument :
 BNA_F
 ClientSampleId :
 Q6-B8-0-5-C

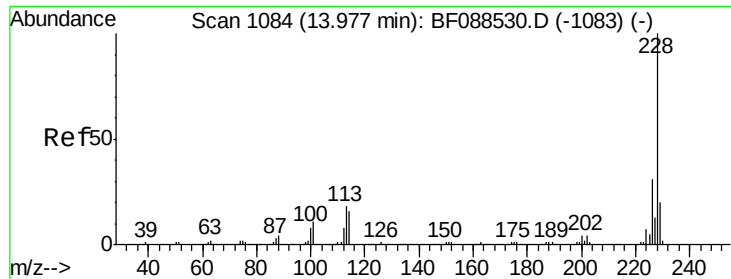
Tgt Ion:244 Resp: 485496
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 13.1 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 6.59 ng
 RT: 13.90 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: BF088728.D
 Acq: 6 Jul 2016 3:32

Tgt Ion:228 Resp: 83074
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.3 33.5
 229 19.9 16.0 24.0





#82

Chrysene

Concen: 4.56 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

Instrument :

BNA_F

ClientSampleId :

Q6-B8-0-5-C

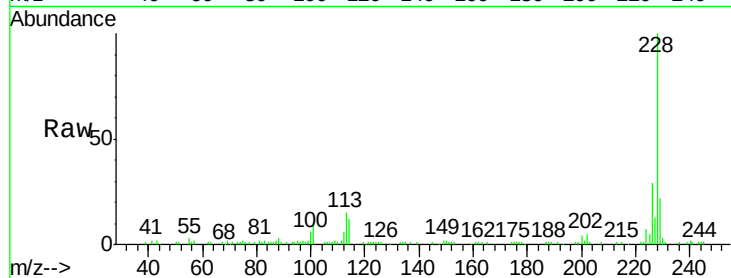
Tgt Ion:228 Resp: 56881

Ion Ratio Lower Upper

228 100

226 28.8 25.4 38.2

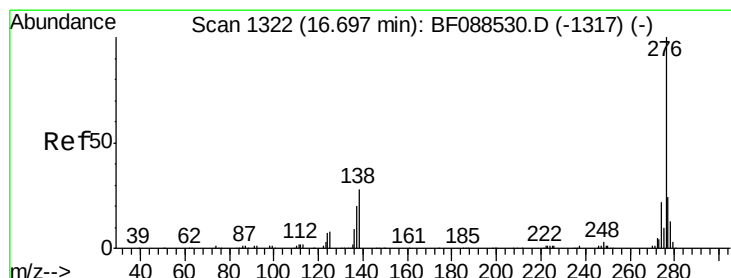
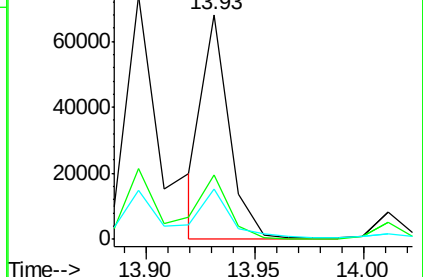
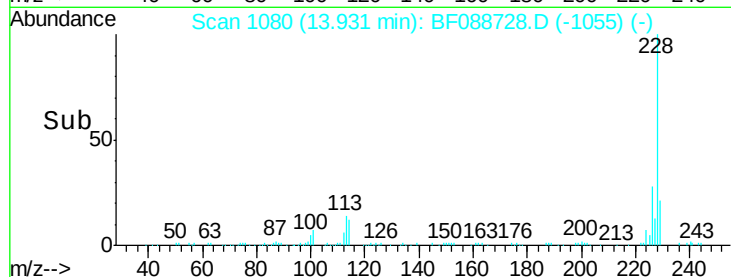
229 22.1 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.22 ng

RT: 16.62 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

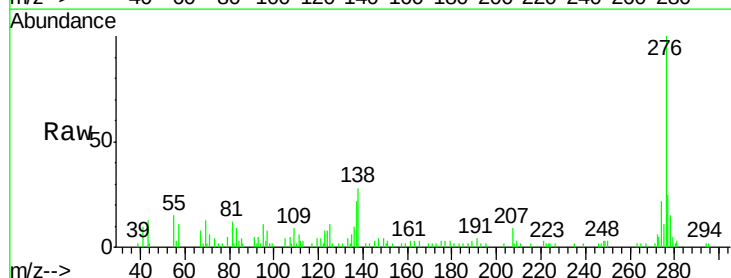
Tgt Ion:276 Resp: 30871

Ion Ratio Lower Upper

276 100

138 27.6 0.0 0.0#

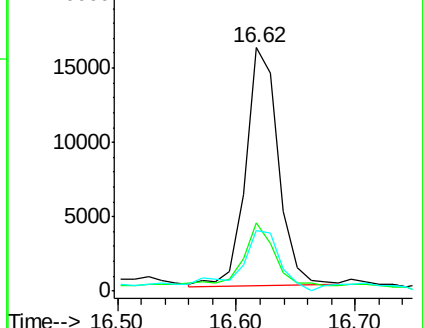
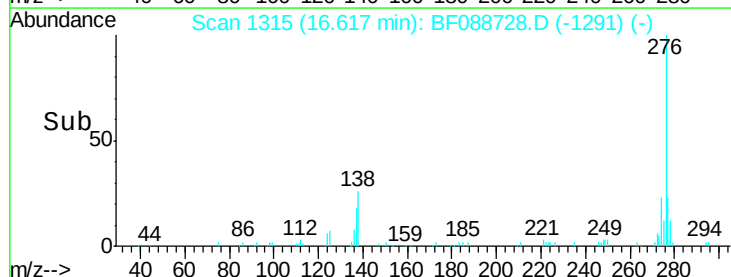
277 32.4 0.0 0.0#

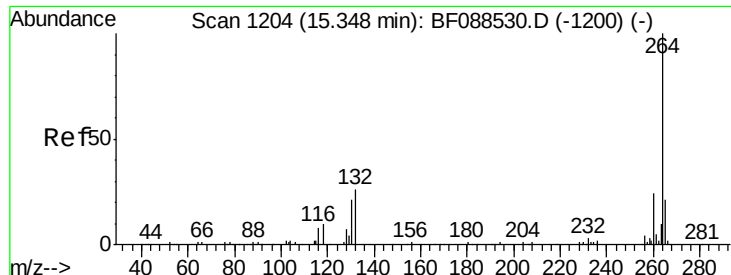


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



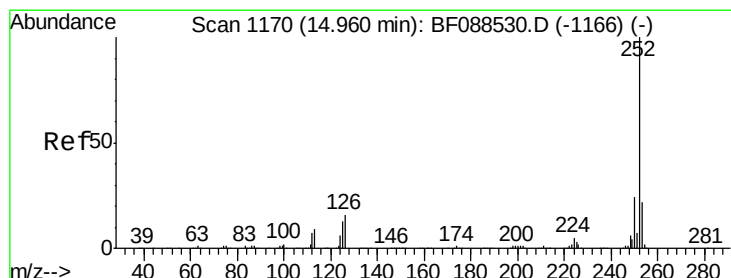
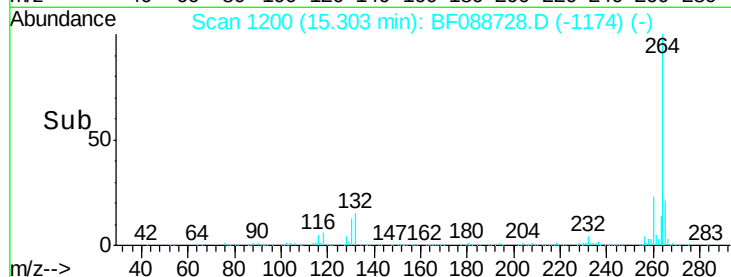
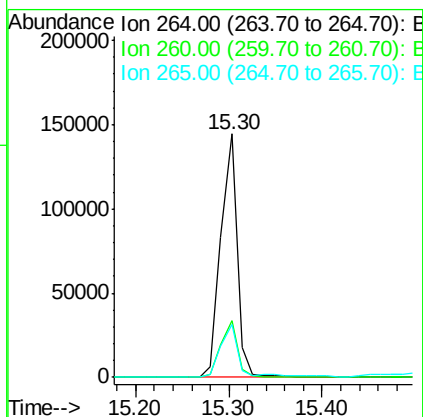
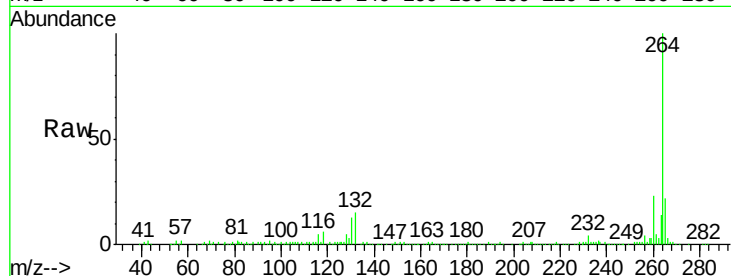


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Instrument :
BNA_F
ClientSampleId :
Q6-B8-0-5-C

Tgt Ion: 264 Resp: 177571

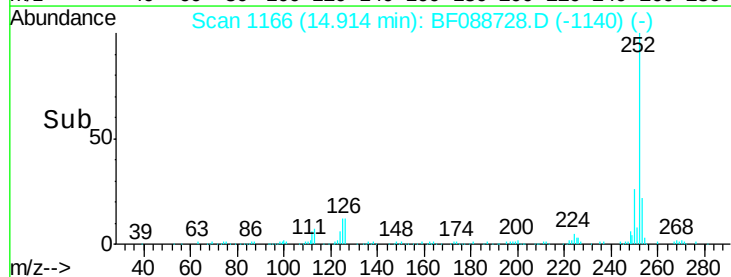
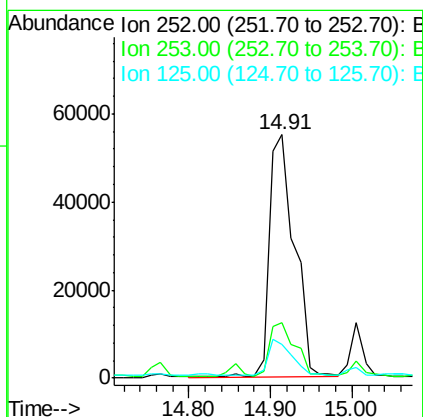
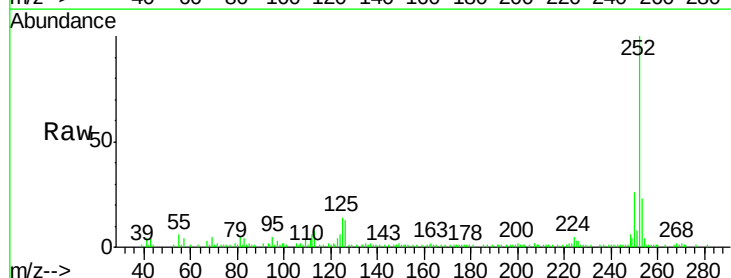
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.7	16.9	25.3

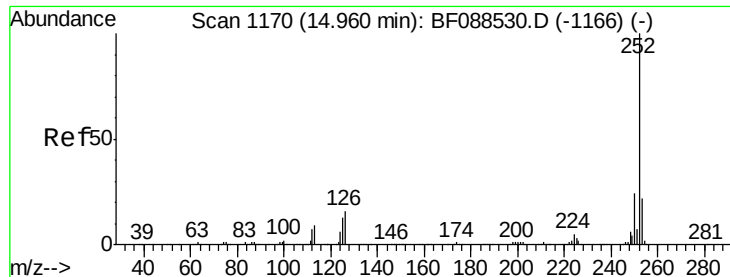


#87
Benzo(b)fluoranthene
Concen: 10.75 ng
RT: 14.91 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Tgt Ion: 252 Resp: 119737

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	13.6	7.1	10.7#

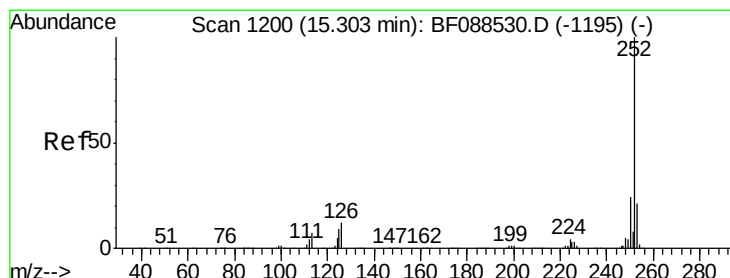
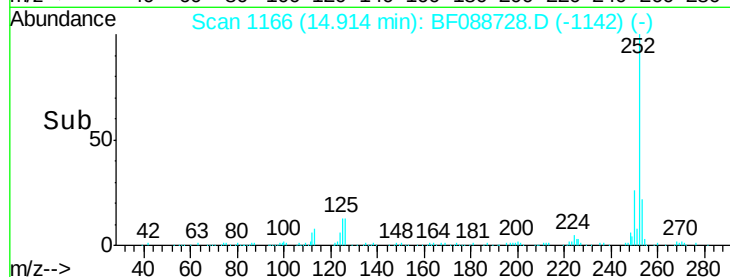
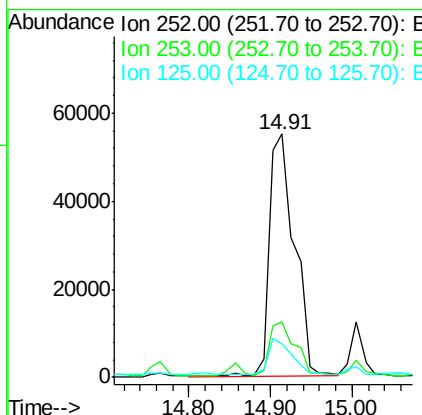
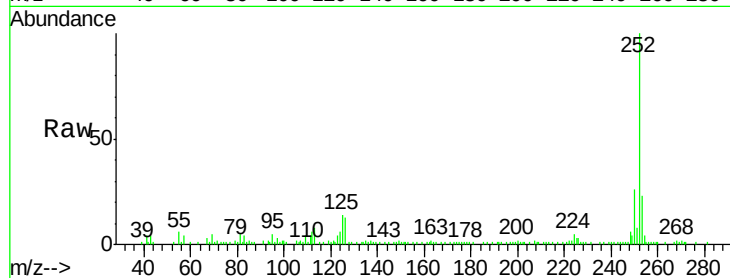




#88
Benzo(k)fluoranthene
Concen: 12.35 ng
RT: 14.91 min Scan# 1166
Delta R.T. -0.02 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

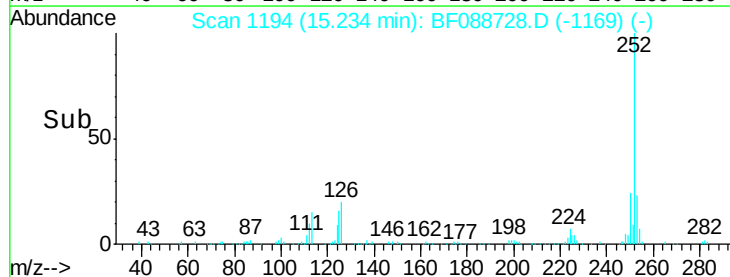
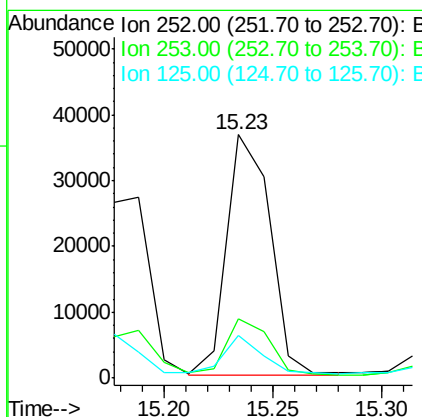
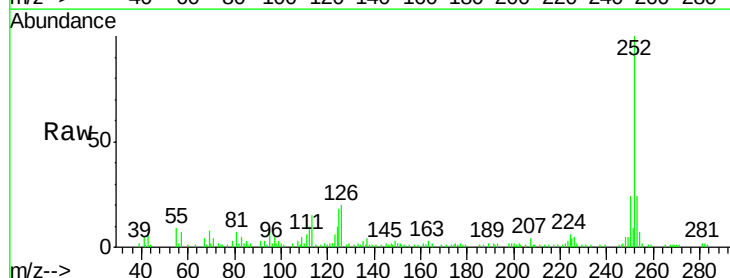
Instrument :
BNA_F
ClientSampleId :
Q6-B8-0-5-C

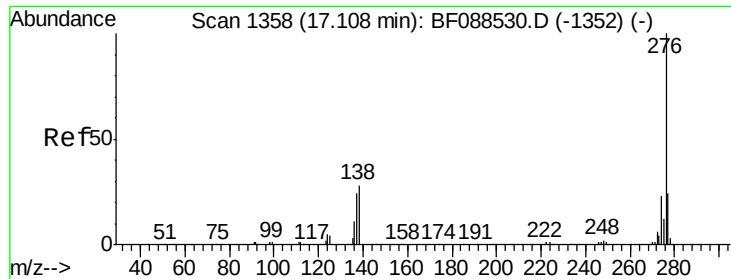
Tgt Ion: 252 Resp: 119737
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 13.6 11.2 16.8



#89
Benzo(a)pyrene
Concen: 5.41 ng
RT: 15.23 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Tgt Ion: 252 Resp: 51066
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 17.5 12.5 18.7





#91
 Benzo(g,h,i)perylene
 Concen: 3.81 ng
 RT: 17.02 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: BF088728.D
 Acq: 6 Jul 2016 3:32

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B8-0-5-C

Tgt Ion:	276	Resp:	31017
Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.9	28.3
138	26.9	21.4	32.2

