

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088131.D
 Acq On : 18 Jun 2016 13:48
 Operator : UM/SJ
 Sample : H3501-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS4-0-6

Quant Time: Jun 19 07:43:10 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

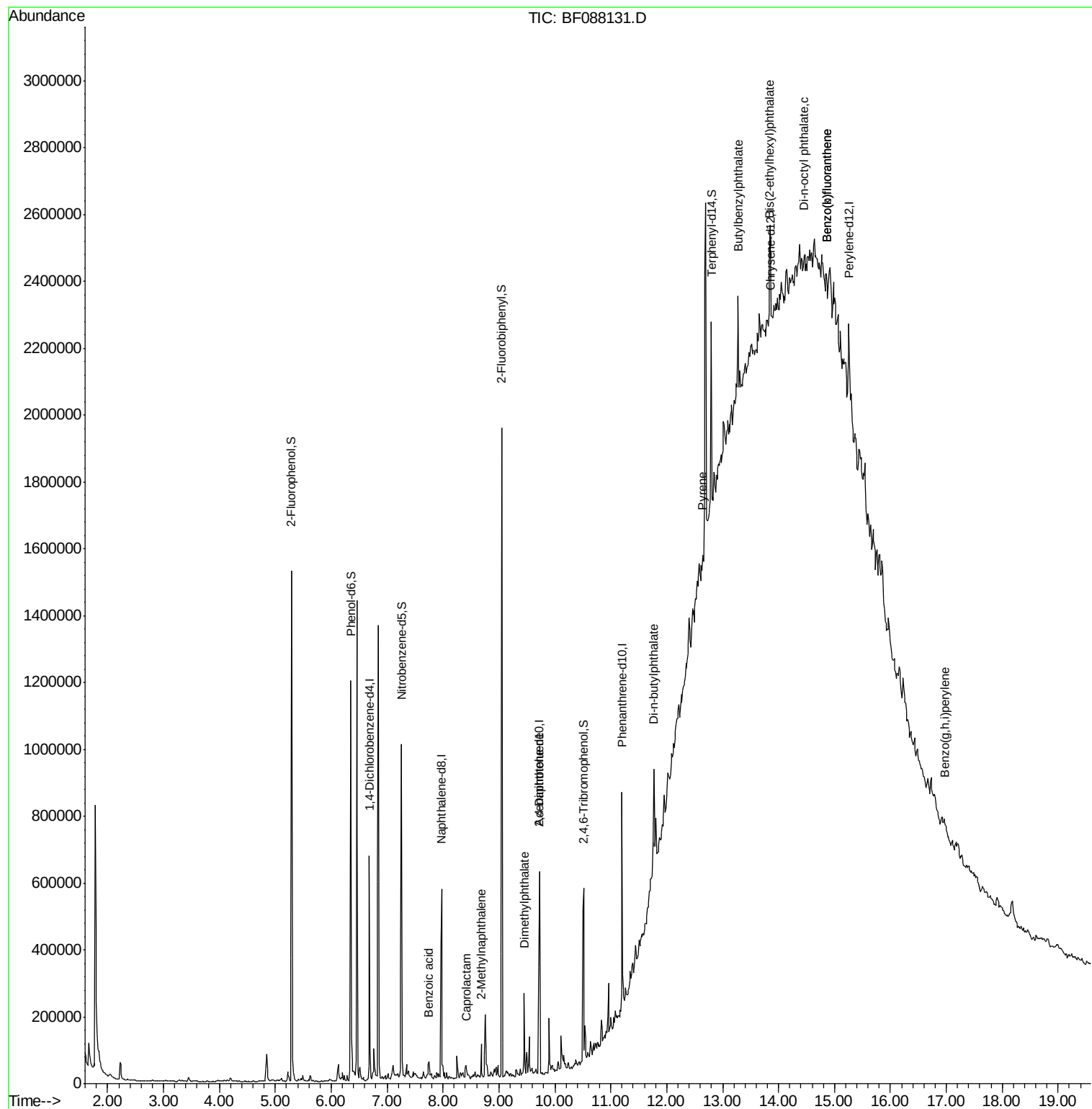
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	97252	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	344661	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	138910	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	223568	20.00	ng	-0.01
75) Chrysene-d12	13.85	240	131129	20.00	ng	0.00
86) Perylene-d12	15.26	264	103912	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	487524	85.70	ng	0.01
7) Phenol-d6	6.35	99	631804	91.64	ng	0.00
23) Nitrobenzene-d5	7.26	82	333830	56.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	89094	60.74	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	561300	61.98	ng	-0.02
78) Terphenyl-d14	12.80	244	339185	58.86	ng	0.00
Target Compounds						
10) Phenol	6.36	94	6721	Below Cal		Qvalue 78
32) Benzoic acid	7.75	122	12120	3.90	ng	92
35) Caprolactam	8.41	113	4721	3.03	ng	93
37) 2-Methylnaphthalene	8.68	142	26077	2.32	ng	98
45) 1,1'-Biphenyl	9.15	154	1542	Below Cal		87
49) Dimethylphthalate	9.45	163	99227	9.86	ng	98
56) 2,4-Dinitrotoluene	9.72	165	18614	6.29	ng	# 39
57) Fluorene	10.26	166	1112	Below Cal		# 65
73) Di-n-butylphthalate	11.77	149	191169	13.64	ng	99
77) Pyrene	12.64	202	23868	2.45	ng	# 66
79) Butylbenzylphthalate	13.28	149	142198	33.05	ng	95
83) Bis(2-ethylhexyl)phthalate	13.84	149	70392	13.44	ng	# 96
84) Di-n-octyl phthalate	14.46	149	18031	2.12	ng	# 100
87) Benzo(b)fluoranthene	14.87	252	16036	2.21	ng	# 1
88) Benzo(k)fluoranthene	14.87	252	15885	2.91	ng	# 1
91) Benzo(g,h,i)perylene	16.97	276	19038	3.40	ng	# 67

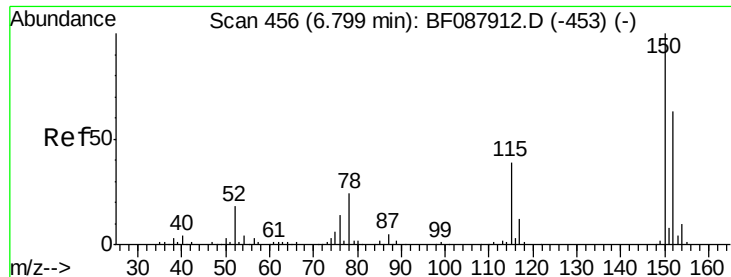
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

Instrument :

BNA_F

ClientSampleId :

SS4-0-6

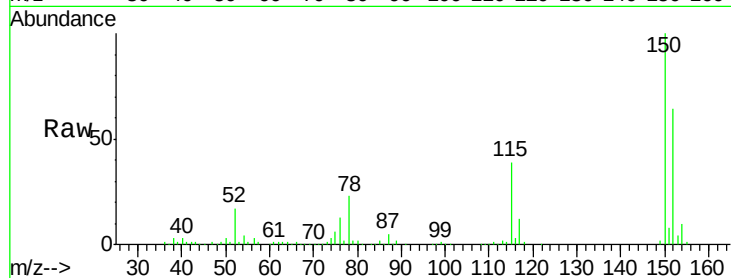
Tgt Ion:152 Resp: 97252

Ion Ratio Lower Upper

152 100

150 156.8 123.8 185.6

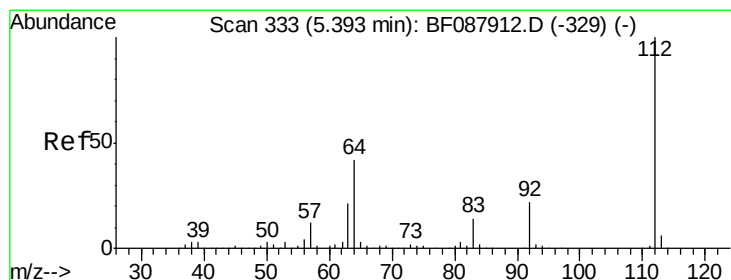
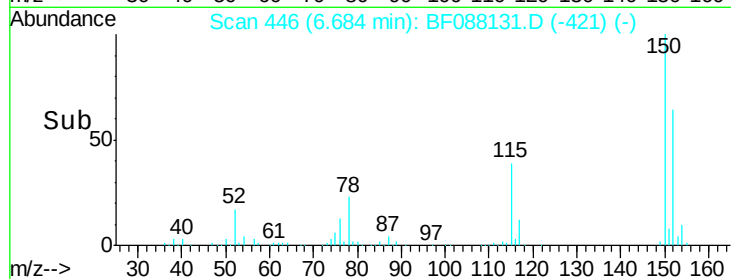
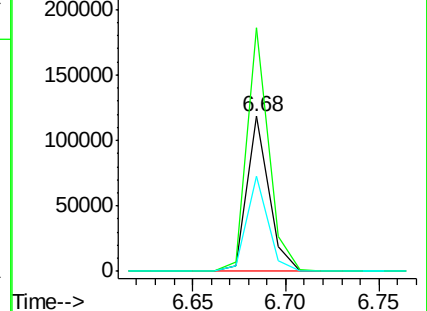
115 61.3 39.6 59.4#



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: 85.70 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

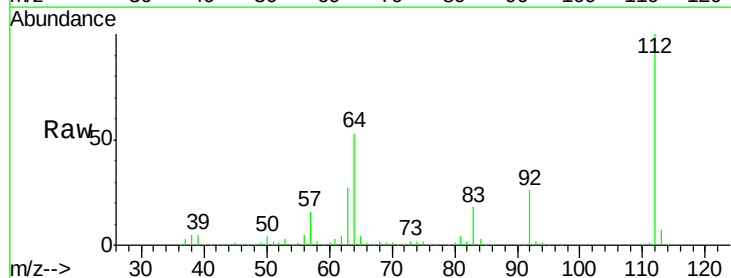
Tgt Ion:112 Resp: 487524

Ion Ratio Lower Upper

112 100

64 53.3 42.2 63.2

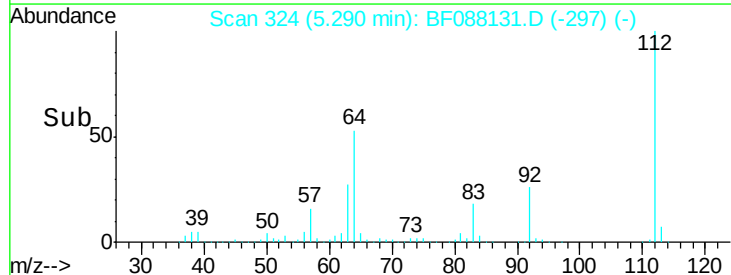
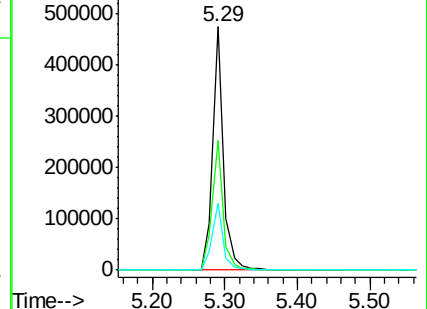
63 27.5 21.8 32.8

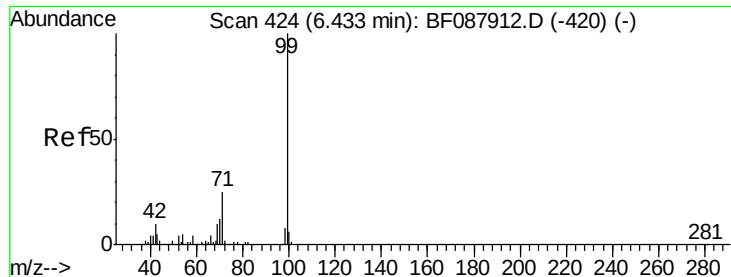


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.64 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

Instrument :

BNA_F

ClientSampleId :

SS4-0-6

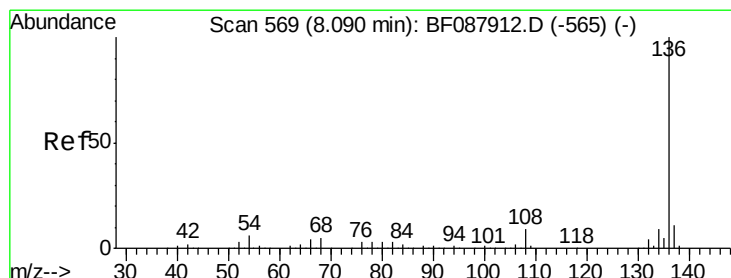
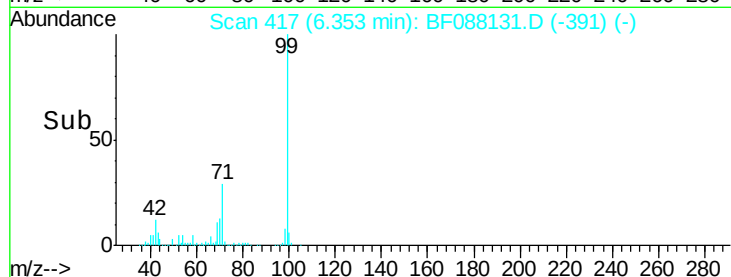
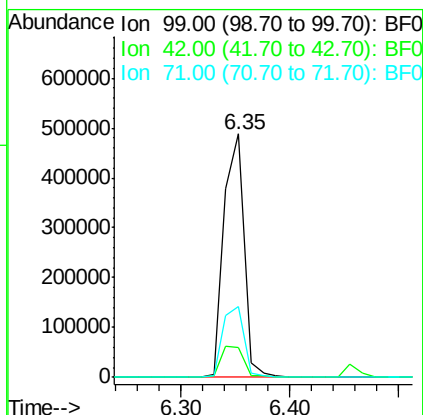
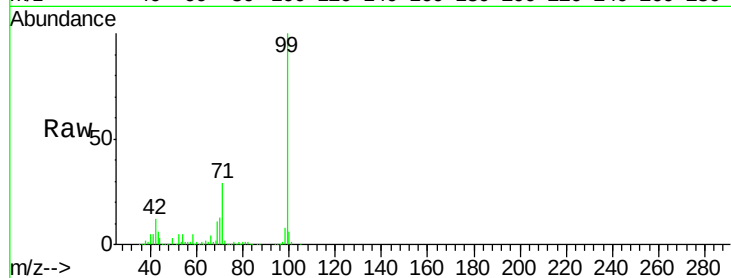
Tgt Ion: 99 Resp: 631804

Ion Ratio Lower Upper

99 100

42 12.0 12.2 18.2#

71 29.1 23.4 35.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

Tgt Ion: 136 Resp: 344661

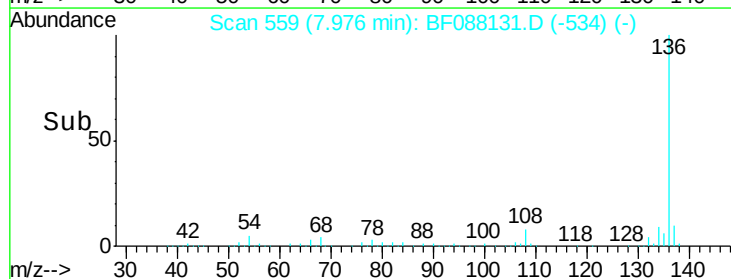
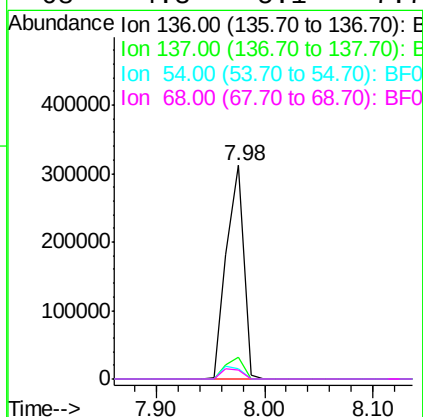
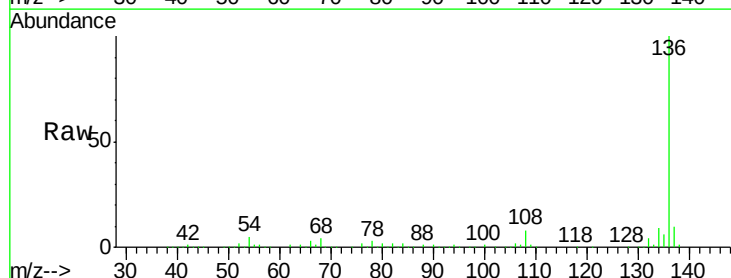
Ion Ratio Lower Upper

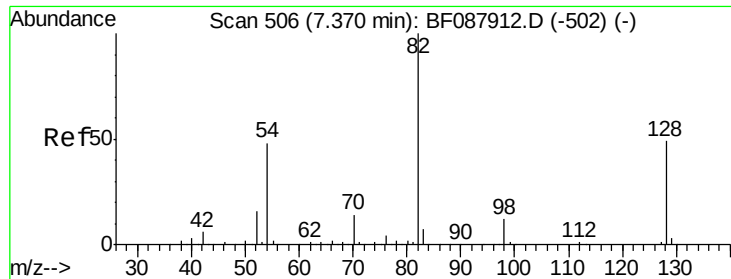
136 100

137 10.4 9.1 13.7

54 4.9 6.6 10.0#

68 4.3 5.1 7.7#

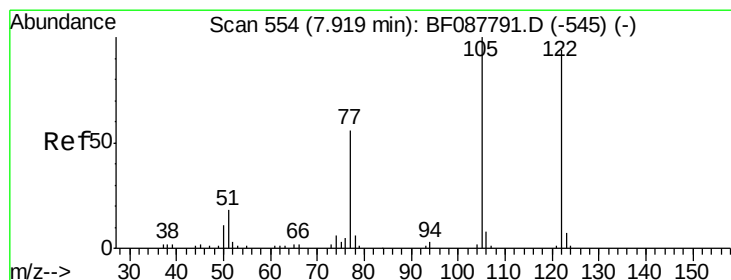
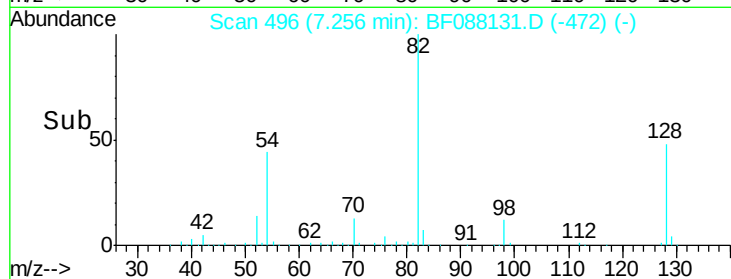
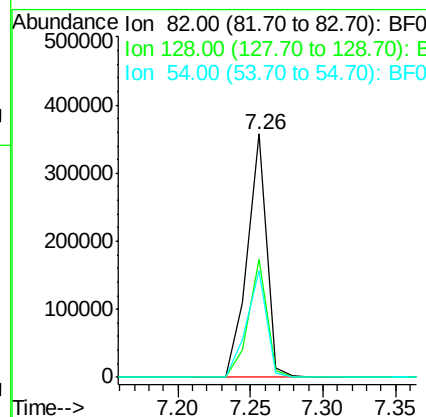
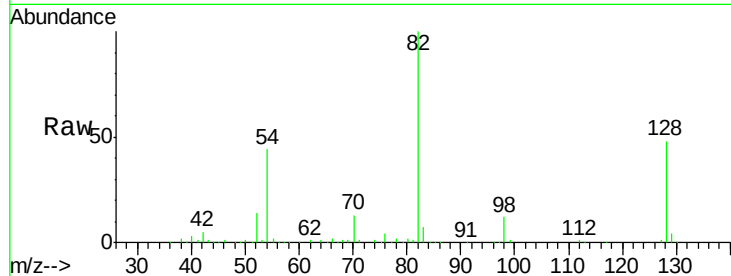




#23
 Nitrobenzene-d5
 Concen: 56.56 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF088131.D
 Acq: 18 Jun 2016 13:48

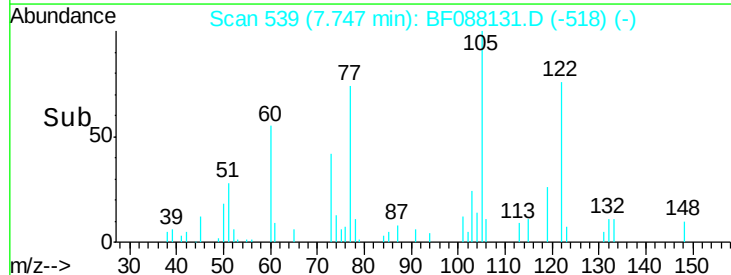
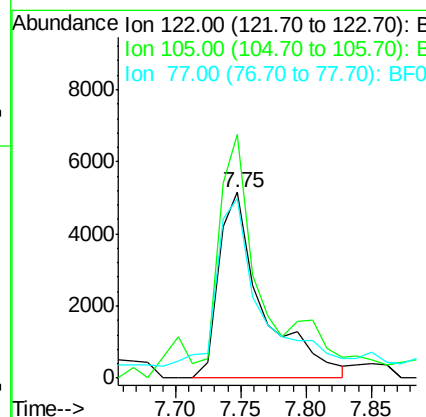
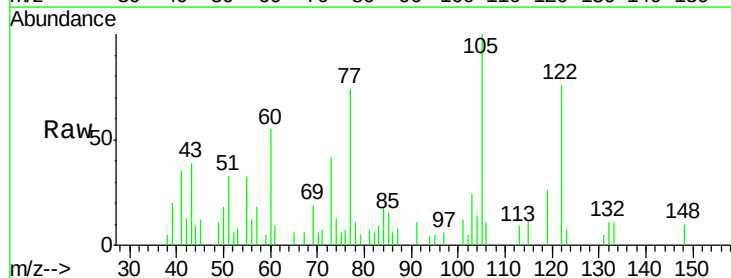
Instrument :
 BNA_F
 ClientSampled :
 SS4-0-6

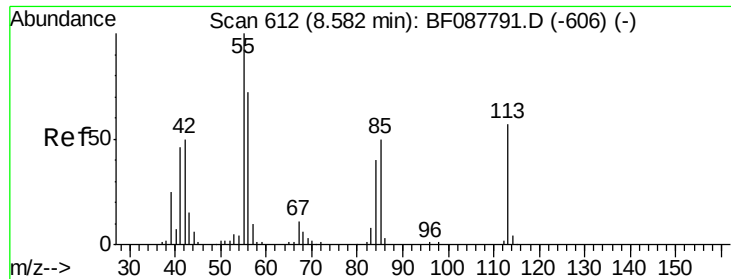
Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.5	35.9	53.9
54	43.8	40.9	61.3



#32
 Benzoic acid
 Concen: 3.90 ng
 RT: 7.75 min Scan# 539
 Delta R.T. -0.06 min
 Lab File: BF088131.D
 Acq: 18 Jun 2016 13:48

Tgt Ion	Ratio	Lower	Upper
122	100		
105	131.0	101.6	141.6
77	96.6	70.6	110.6

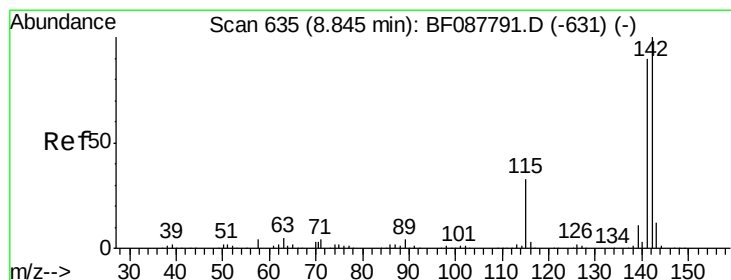
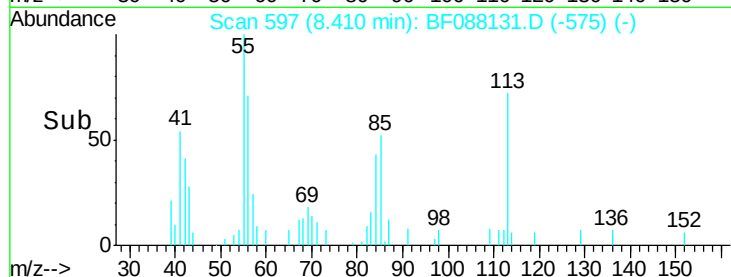
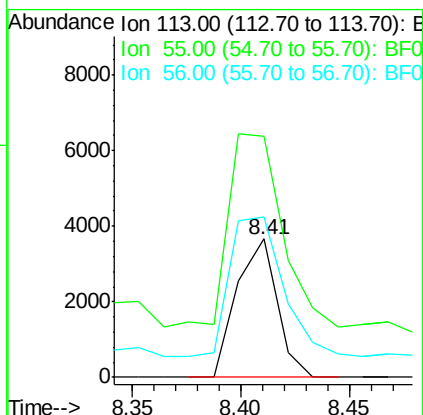
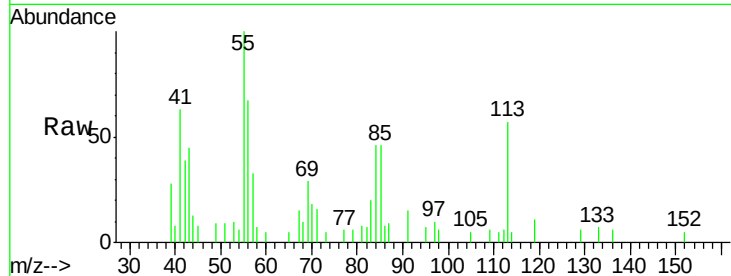




#35
 Caprolactam
 Concen: 3.03 ng
 RT: 8.41 min Scan# 597
 Delta R.T. -0.05 min
 Lab File: BF088131.D
 Acq: 18 Jun 2016 13:48

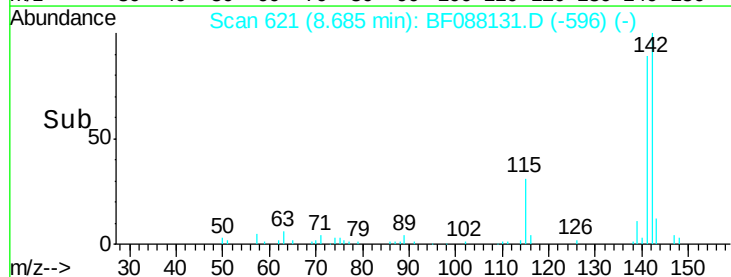
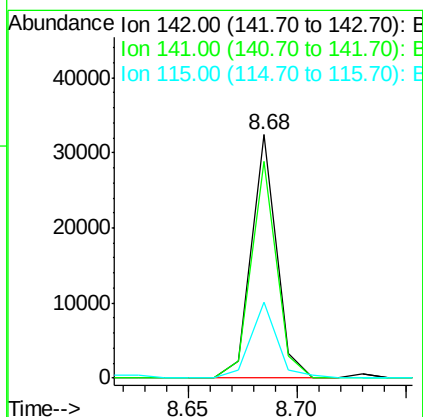
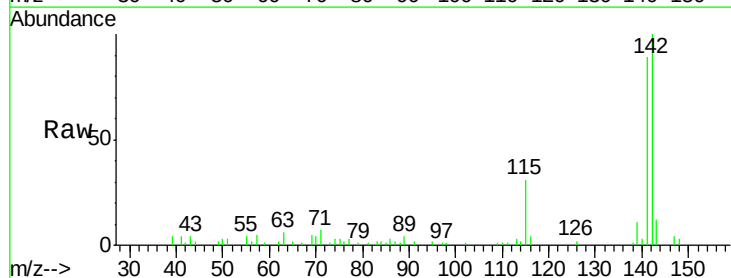
Instrument :
 BNA_F
 ClientSampleId :
 SS4-0-6

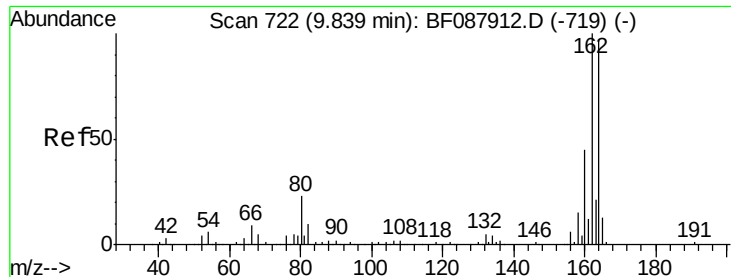
Tgt Ion:113 Resp: 4721
 Ion Ratio Lower Upper
 113 100
 55 174.2 158.6 198.6
 56 116.1 110.6 150.6



#37
 2-Methylnaphthalene
 Concen: 2.32 ng
 RT: 8.68 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF088131.D
 Acq: 18 Jun 2016 13:48

Tgt Ion:142 Resp: 26077
 Ion Ratio Lower Upper
 142 100
 141 89.2 71.0 106.6
 115 31.2 22.6 33.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

Instrument :

BNA_F

ClientSampleId :

SS4-0-6

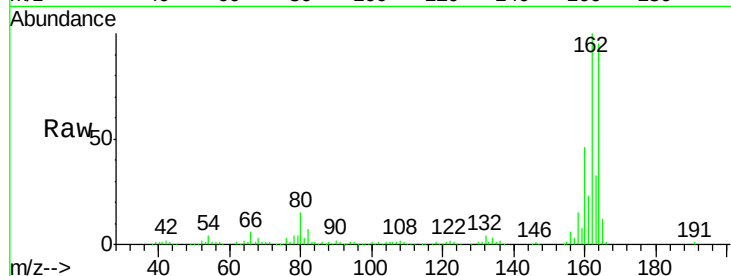
Tgt Ion:164 Resp: 138910

Ion Ratio Lower Upper

164 100

162 105.0 85.4 128.2

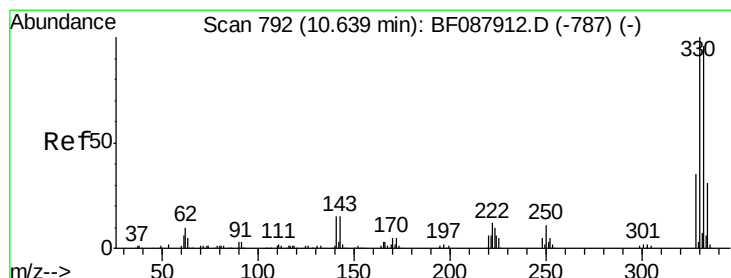
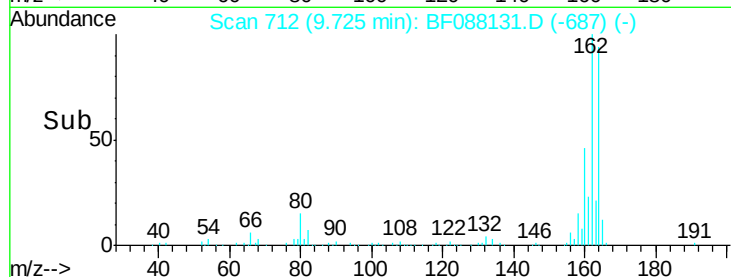
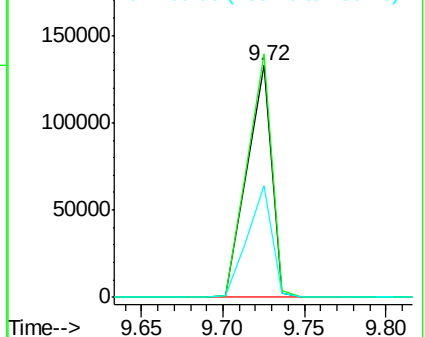
160 48.3 39.5 59.3



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: 60.74 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

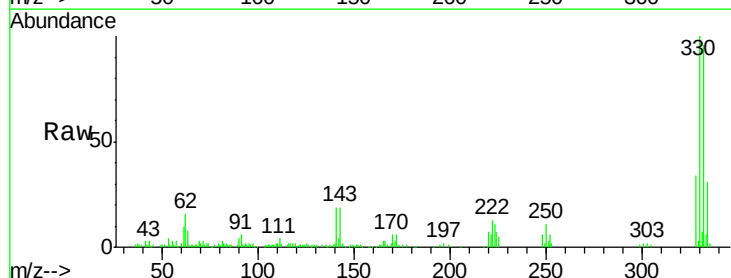
Tgt Ion:330 Resp: 89094

Ion Ratio Lower Upper

330 100

332 96.5 0.0 0.0#

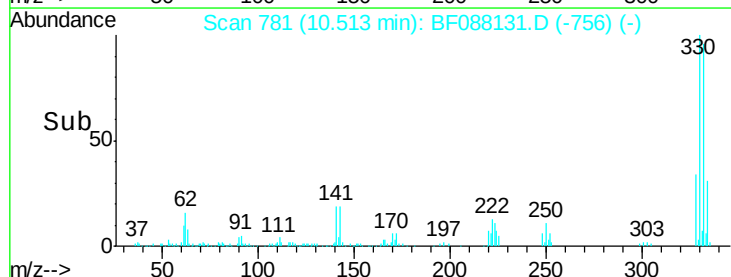
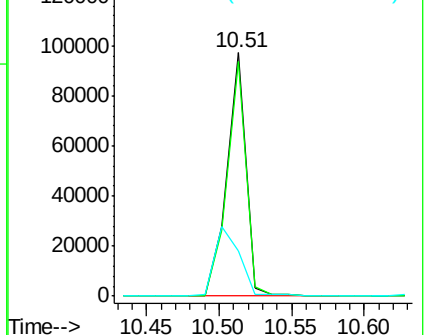
141 38.6 0.0 0.0#

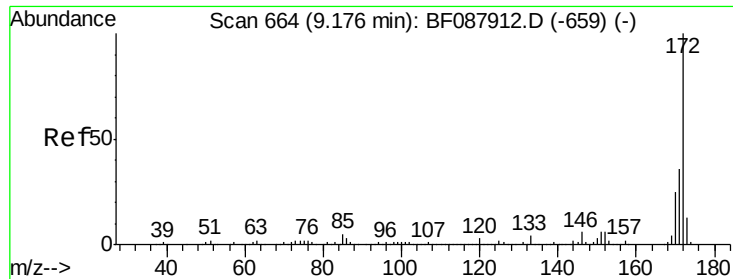


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

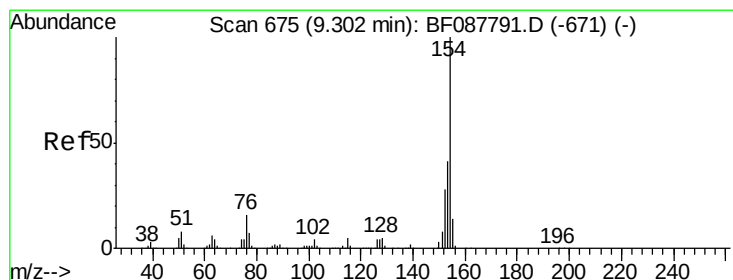
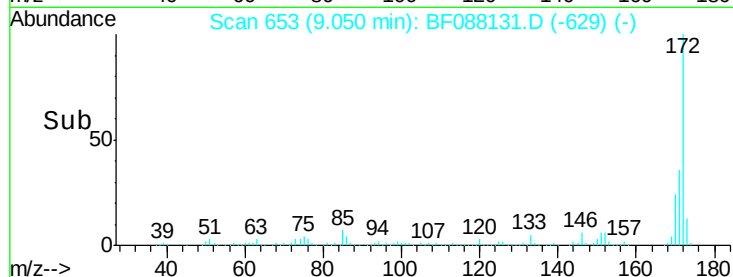
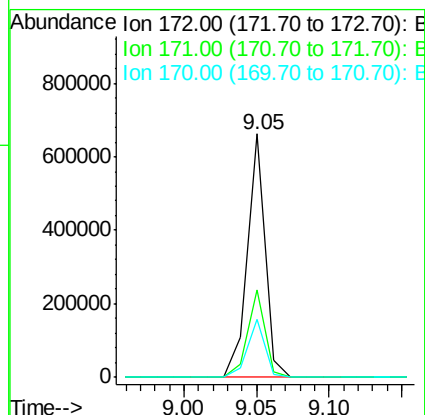
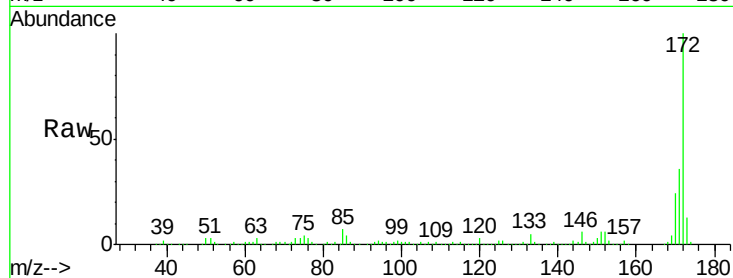




#44
 2-Fluorobiphenyl
 Concen: 61.98 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088131.D
 Acq: 18 Jun 2016 13:48

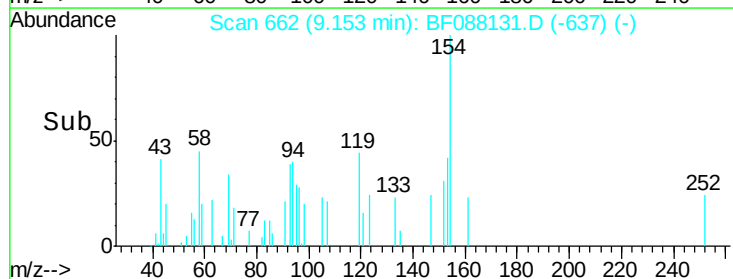
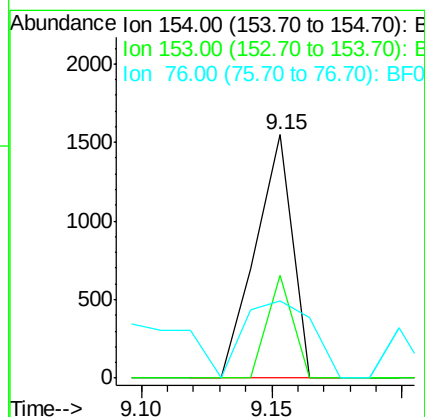
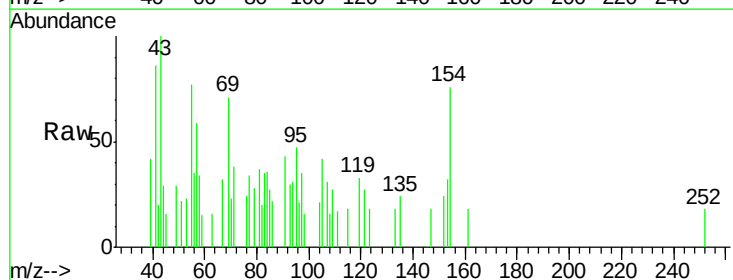
Instrument :
 BNA_F
 ClientSampleId :
 SS4-0-6

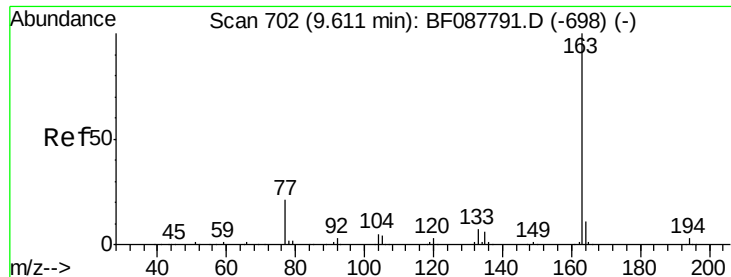
Tgt Ion:172 Resp: 561300
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 43.0
 170 24.0 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.15 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF088131.D
 Acq: 18 Jun 2016 13:48

Tgt Ion:154 Resp: 1542
 Ion Ratio Lower Upper
 154 100
 153 42.4 20.6 60.6
 76 31.6 0.0 35.1





#49

Dimethylphthalate

Concen: 9.86 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

Instrument :

BNA_F

ClientSampleId :

SS4-0-6

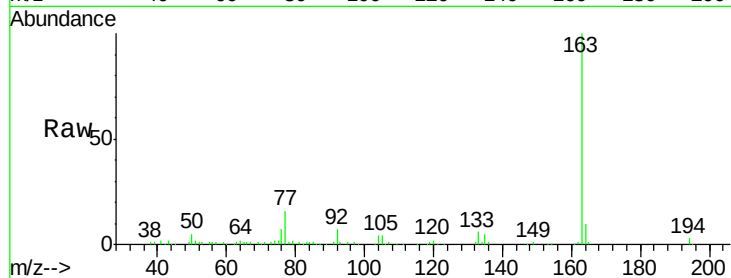
Tgt Ion:163 Resp: 99227

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

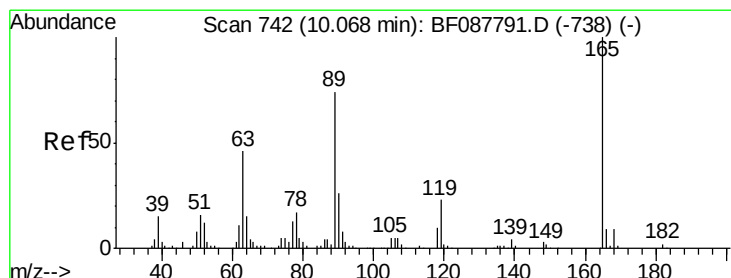
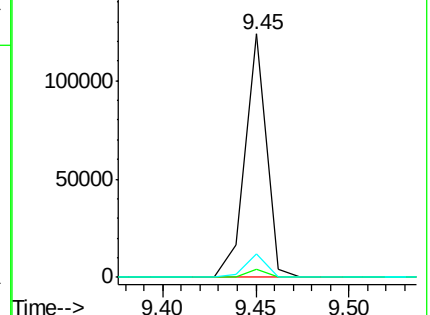
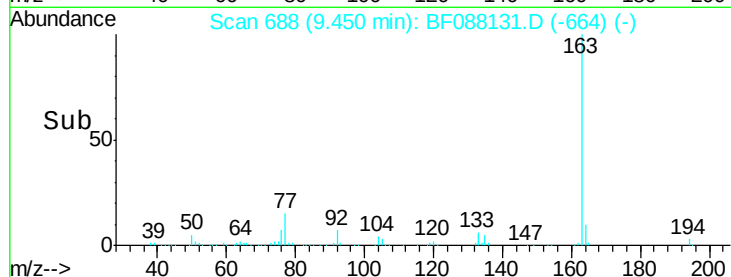
164 9.7 8.3 12.5



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: 6.29 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

Tgt Ion:165 Resp: 18614

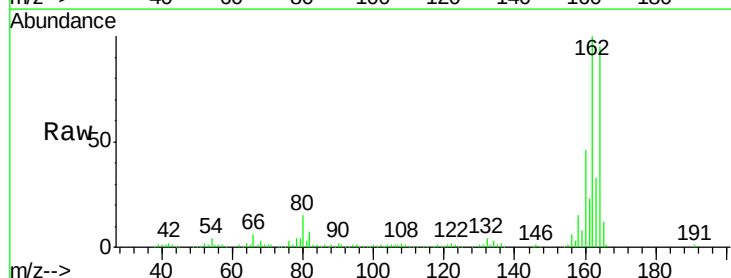
Ion Ratio Lower Upper

165 100

63 2.2 22.0 33.0#

89 2.1 41.1 61.7#

182 0.0 2.0 3.0#

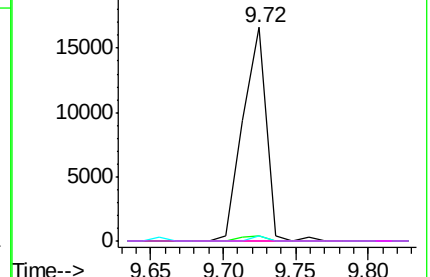
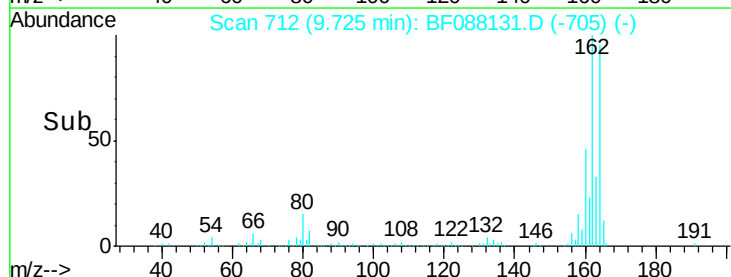


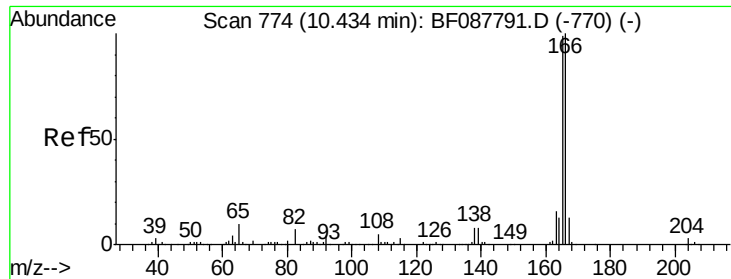
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.26 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

Instrument :

BNA_F

ClientSampled :

SS4-0-6

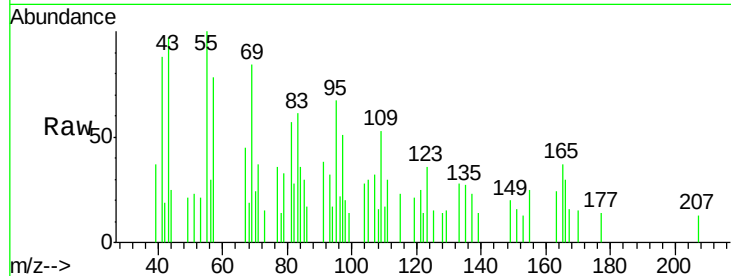
Tgt Ion:166 Resp: 1112

Ion Ratio Lower Upper

166 100

165 123.2 77.8 116.8#

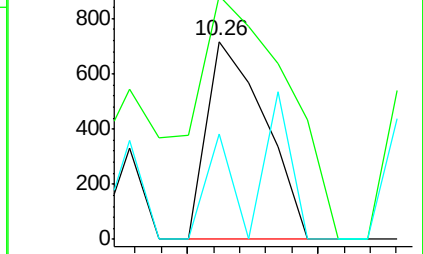
167 53.6 11.2 16.8#



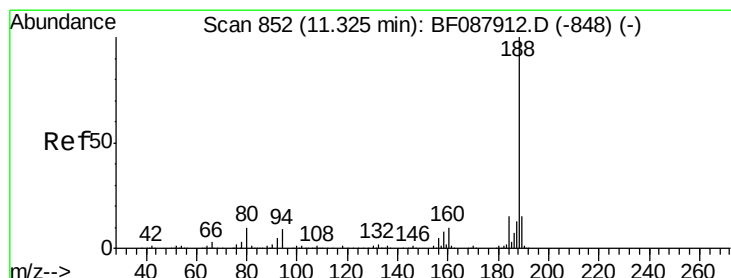
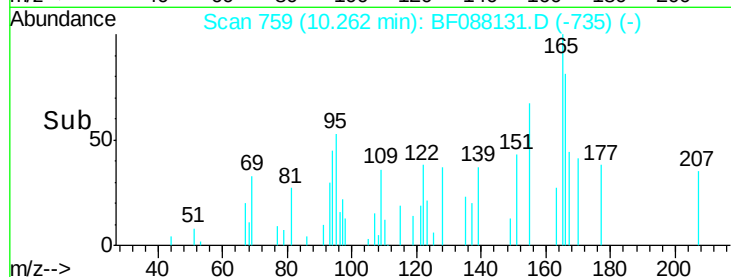
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

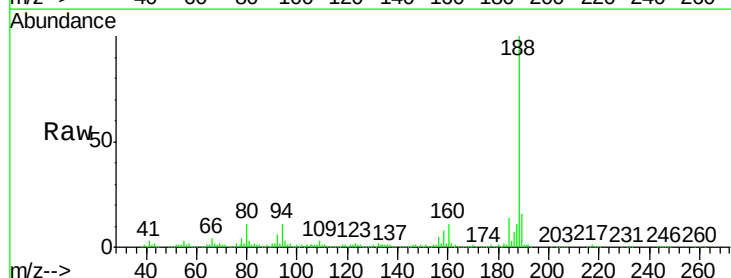
Tgt Ion:188 Resp: 223568

Ion Ratio Lower Upper

188 100

94 10.7 9.0 13.6

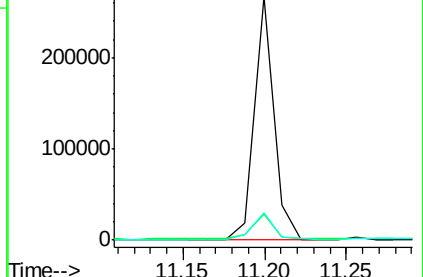
80 11.2 10.0 15.0



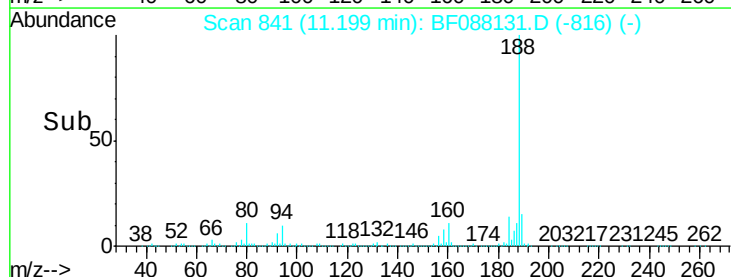
Abundance Ion 188.00 (187.70 to 188.70): E

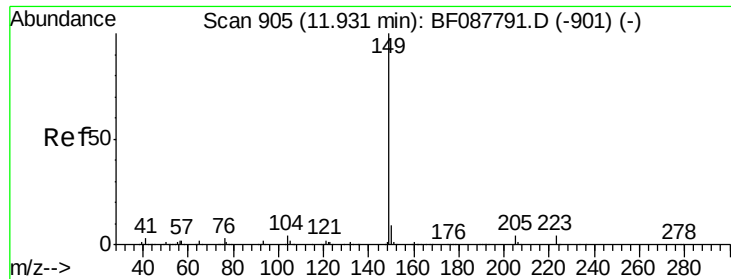
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->





#73

Di-n-butylphthalate

Concen: 13.64 ng

RT: 11.77 min Scan# 891

Delta R.T. -0.01 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

Instrument :

BNA_F

ClientSampleId :

SS4-0-6

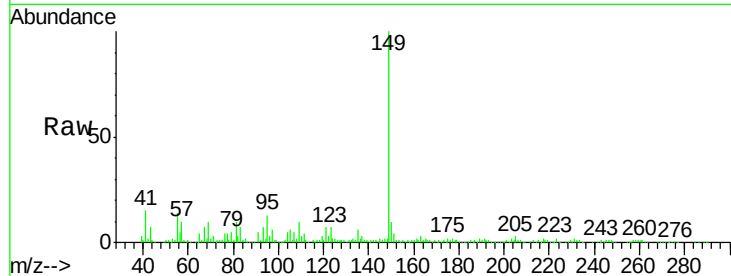
Tgt Ion:149 Resp: 191169

Ion Ratio Lower Upper

149 100

150 10.3 7.8 11.6

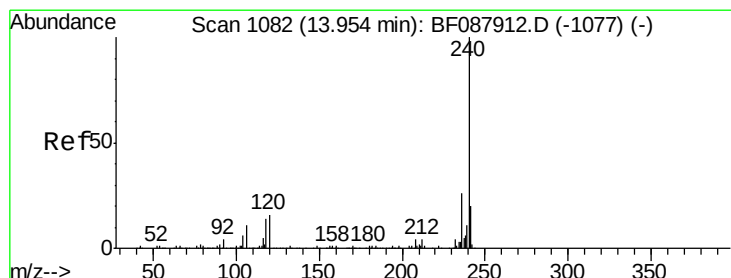
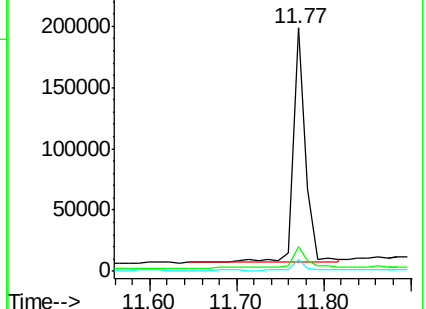
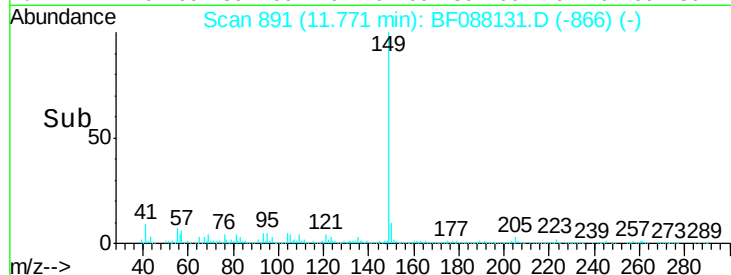
104 5.0 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.00 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

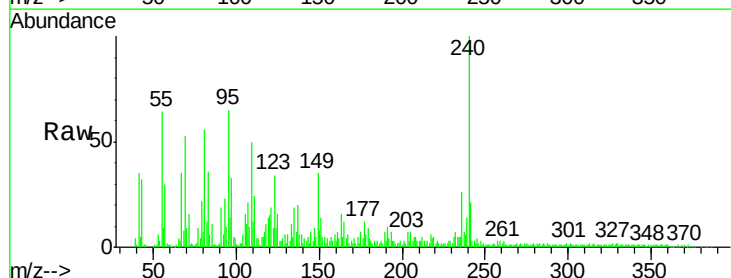
Tgt Ion:240 Resp: 131129

Ion Ratio Lower Upper

240 100

120 15.3 6.8 10.2#

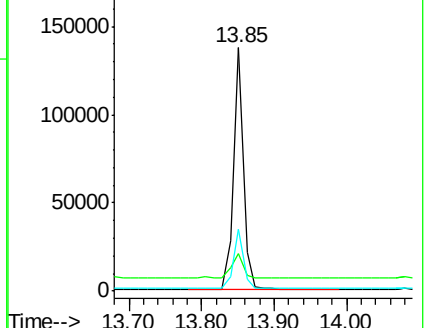
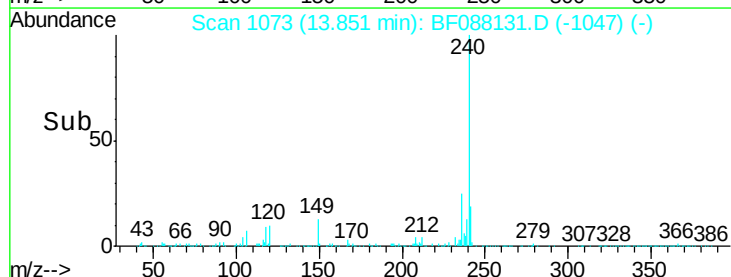
236 25.6 20.2 30.2

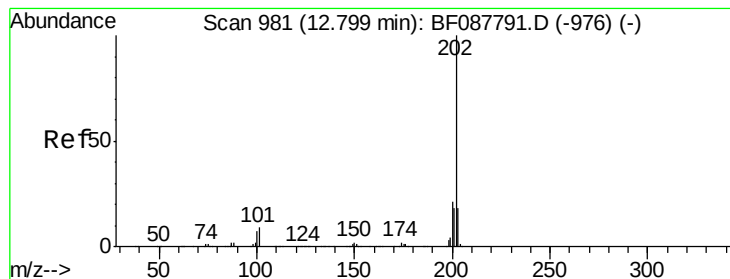


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.45 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

Instrument :

BNA_F

ClientSampleId :

SS4-0-6

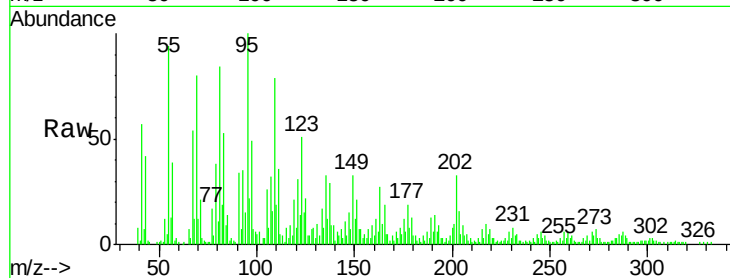
Tgt Ion:202 Resp: 23868

Ion Ratio Lower Upper

202 100

200 23.3 17.4 26.2

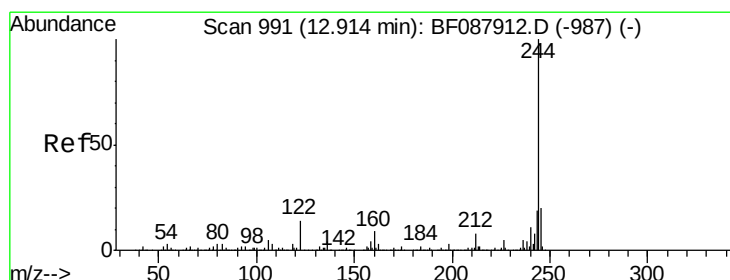
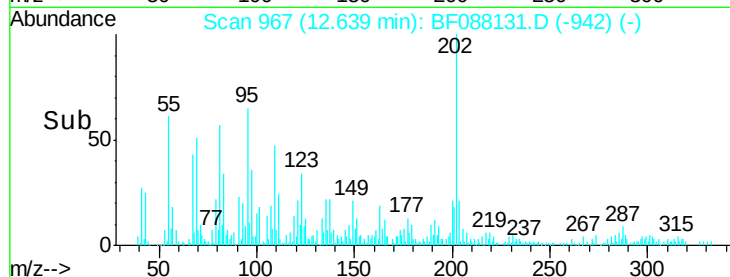
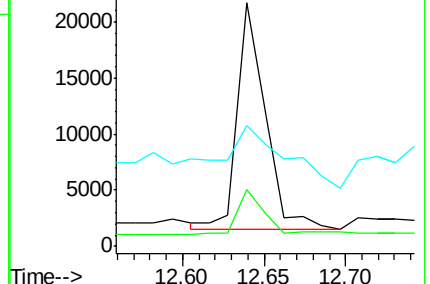
203 49.5 14.5 21.7#



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: 58.86 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.00 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

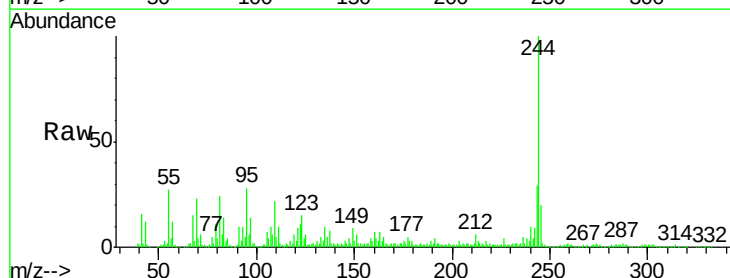
Tgt Ion:244 Resp: 339185

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

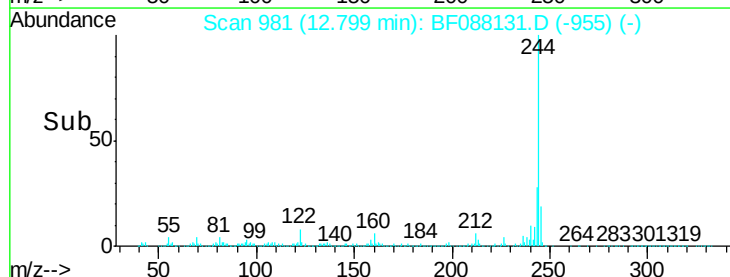
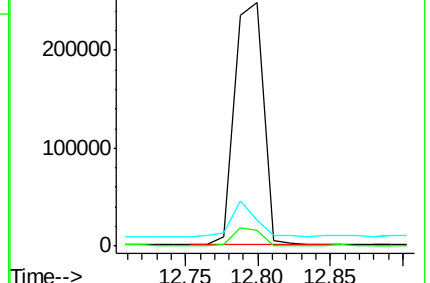
122 10.9 11.2 16.8#

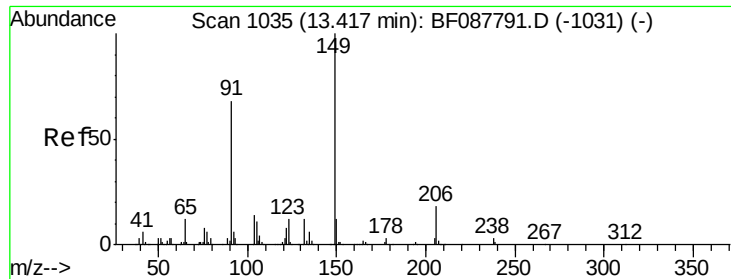


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

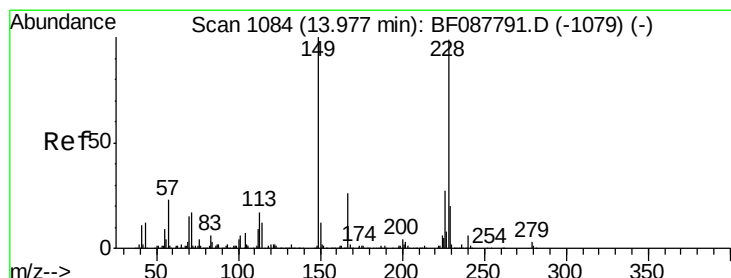
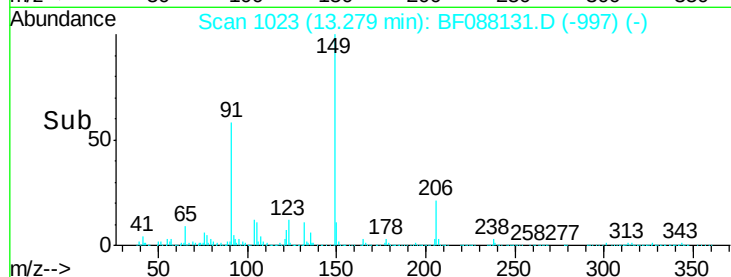
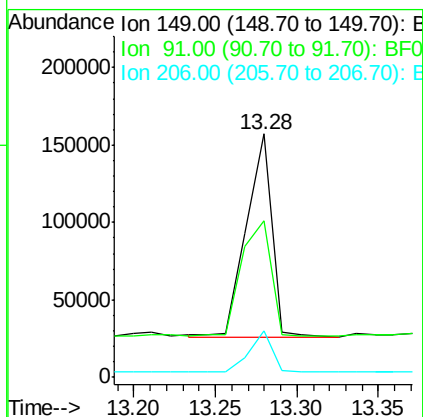
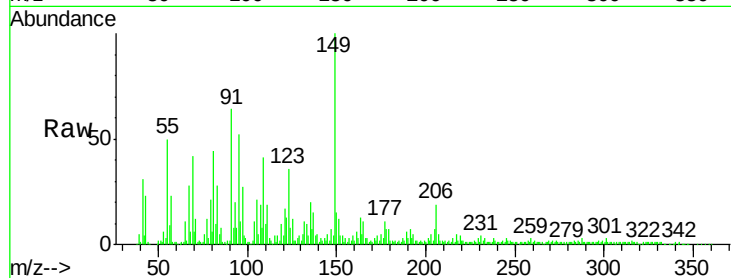




#79
Butylbenzylphthalate
Concen: 33.05 ng
RT: 13.28 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF088131.D
Acq: 18 Jun 2016 13:48

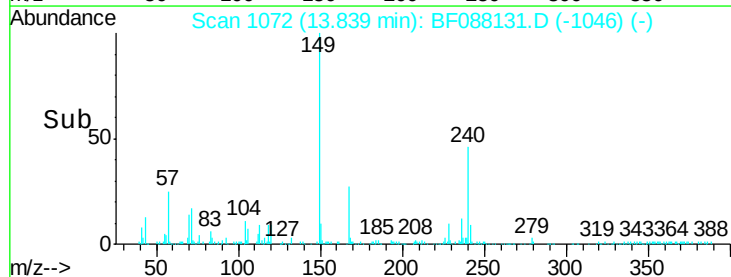
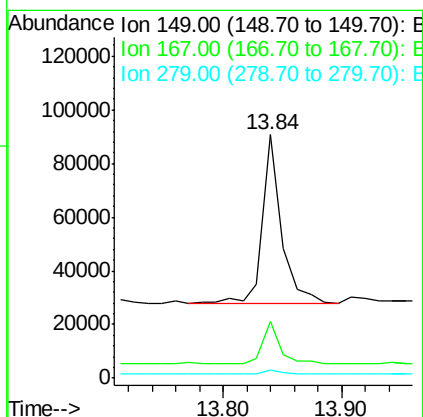
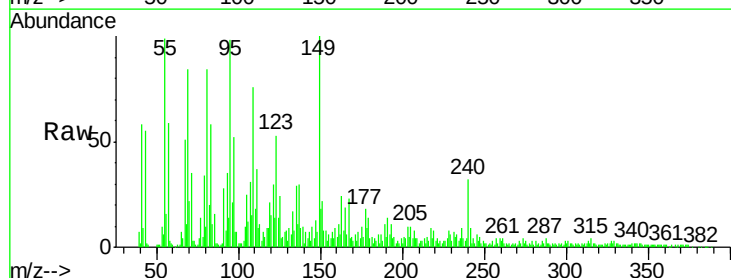
Instrument :
BNA_F
ClientSampleId :
SS4-0-6

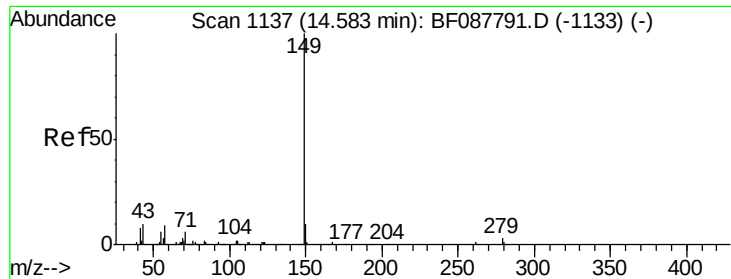
Tgt Ion:149 Resp: 142198
Ion Ratio Lower Upper
149 100
91 64.3 48.0 72.0
206 19.2 16.0 24.0



#83
Bis(2-ethylhexyl)phthalate
Concen: 13.44 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.00 min
Lab File: BF088131.D
Acq: 18 Jun 2016 13:48

Tgt Ion:149 Resp: 70392
Ion Ratio Lower Upper
149 100
167 23.4 20.5 30.7
279 3.4 2.0 3.0#





#84

Di-n-octyl phthalate

Concen: 2.12 ng

RT: 14.46 min Scan# 1126

Delta R.T. 0.01 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

Instrument :

BNA_F

ClientSampleId :

SS4-0-6

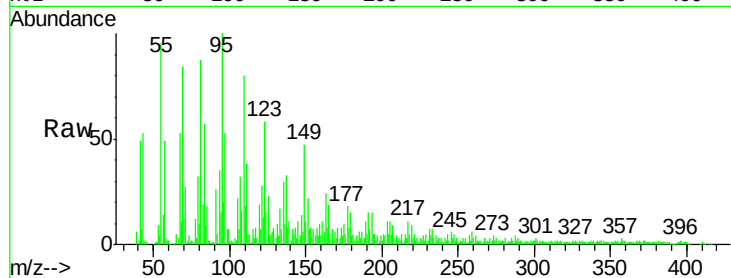
Tgt Ion:149 Resp: 18031

Ion Ratio Lower Upper

149 100

167 14.9 0.0 0.0#

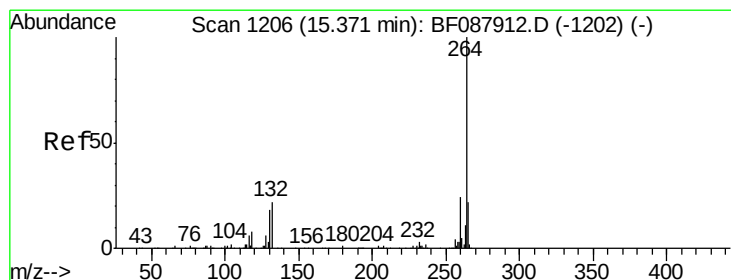
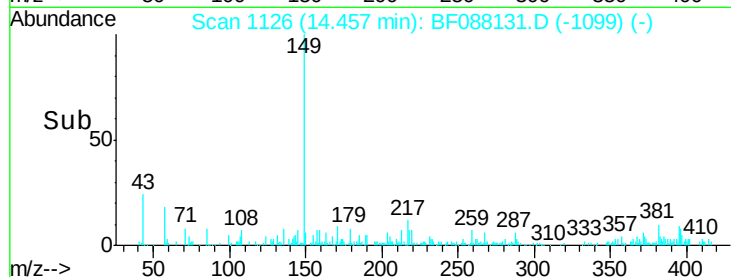
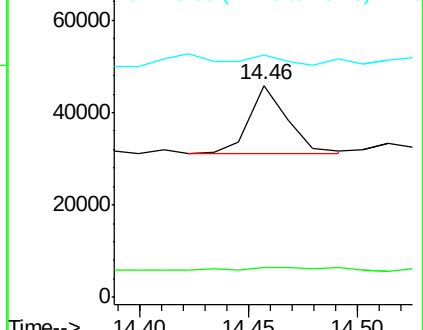
43 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.26 min Scan# 1196

Delta R.T. 0.03 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

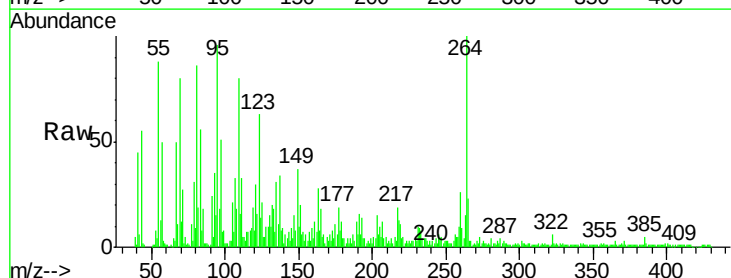
Tgt Ion:264 Resp: 103912

Ion Ratio Lower Upper

264 100

260 26.4 19.2 28.8

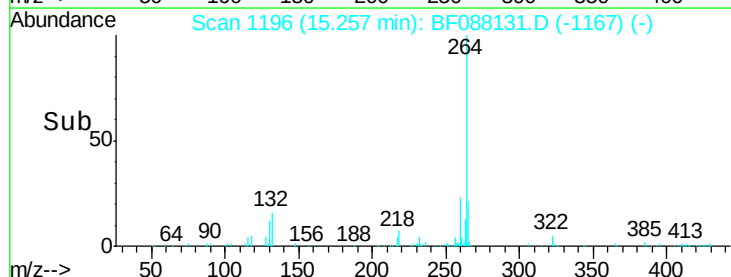
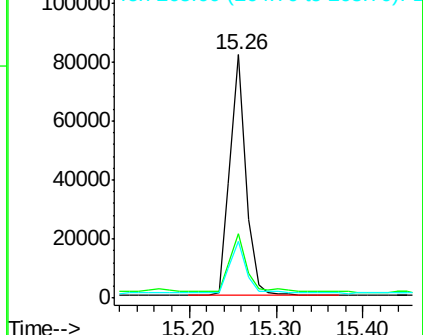
265 23.3 16.9 25.3

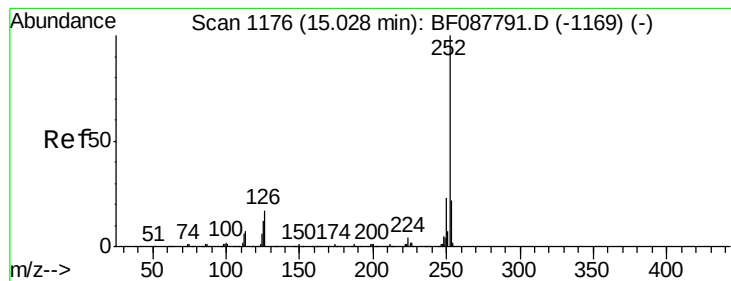


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.21 ng

RT: 14.87 min Scan# 1162

Delta R.T. 0.02 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

Instrument :

BNA_F

ClientSampleId :

SS4-0-6

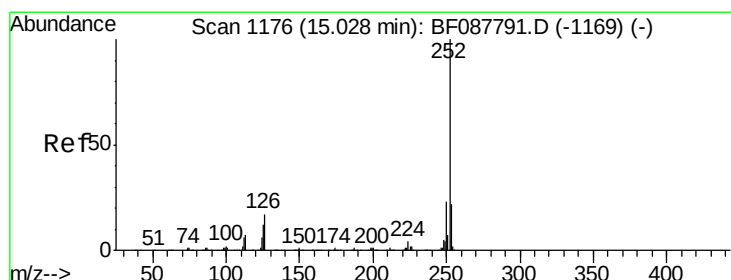
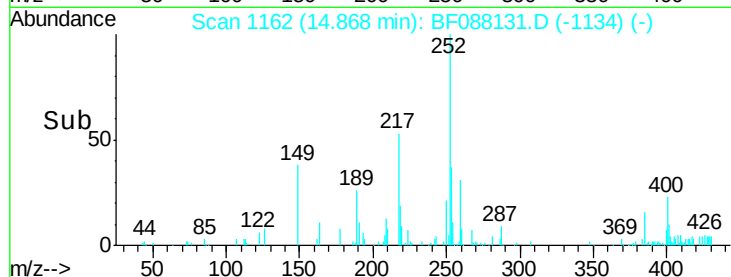
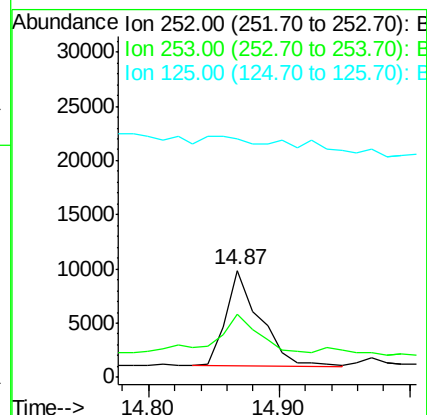
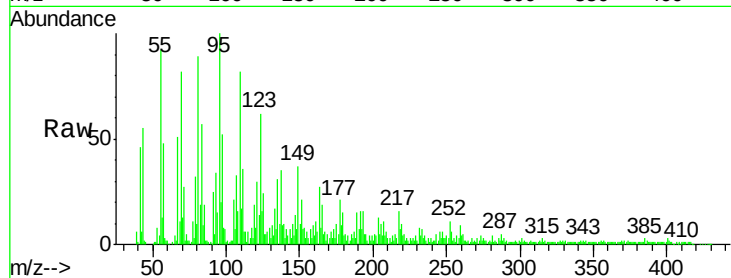
Tgt Ion:252 Resp: 16036

Ion Ratio Lower Upper

252 100

253 59.3 17.4 26.2#

125 223.5 7.1 10.7#



#88

Benzo(k)fluoranthene

Concen: 2.91 ng

RT: 14.87 min Scan# 1162

Delta R.T. -0.00 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

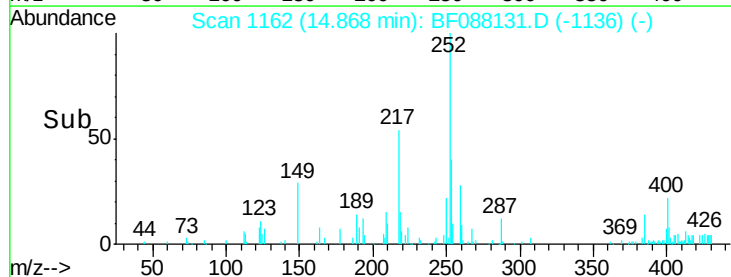
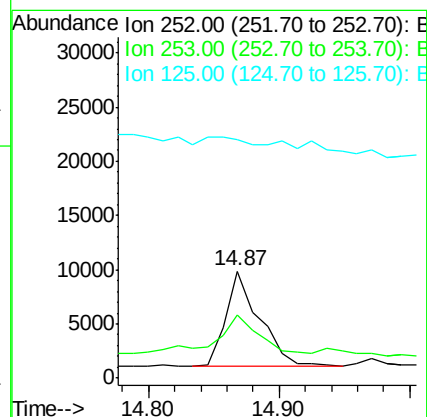
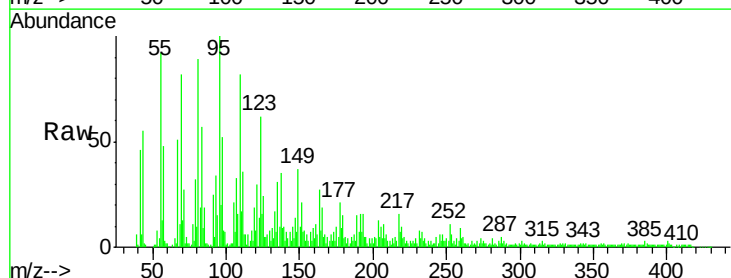
Tgt Ion:252 Resp: 15885

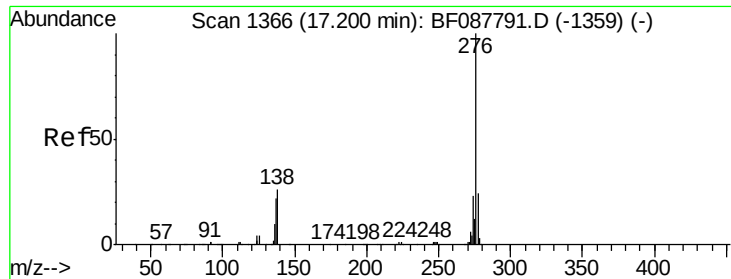
Ion Ratio Lower Upper

252 100

253 59.3 18.0 27.0#

125 223.5 11.2 16.8#





#91

Benzo(g,h,i)perylene

Concen: 3.40 ng

RT: 16.97 min Scan# 1346

Delta R.T. 0.03 min

Lab File: BF088131.D

Acq: 18 Jun 2016 13:48

Instrument :

BNA_F

ClientSampleId :

SS4-0-6

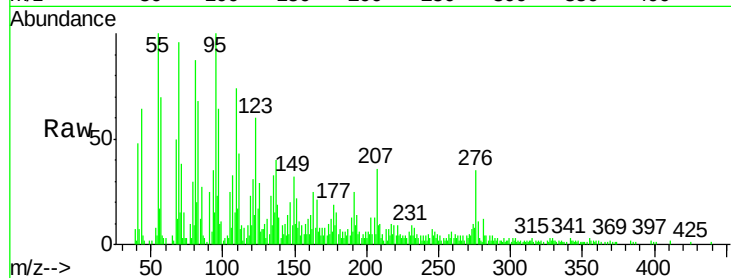
Tgt Ion: 276 Resp: 19038

Ion Ratio Lower Upper

276 100

277 30.3 18.9 28.3#

138 52.8 21.4 32.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

