

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088129.D
 Acq On : 18 Jun 2016 12:50
 Operator : UM/SJ
 Sample : H3501-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS2-0-6

Quant Time: Jun 19 07:42:38 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	92512	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	323885	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	126648	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	182361	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	64820	20.00	ng	0.02
86) Perylene-d12	15.29	264	77032	20.00	ng	0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	612560	113.20	ng	0.01
7) Phenol-d6	6.34	99	716208	109.21	ng	-0.01
23) Nitrobenzene-d5	7.26	82	427545	77.08	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	119003	88.99	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	667964	82.70	ng	-0.02
78) Terphenyl-d14	12.81	244	278272	97.69	ng	0.01

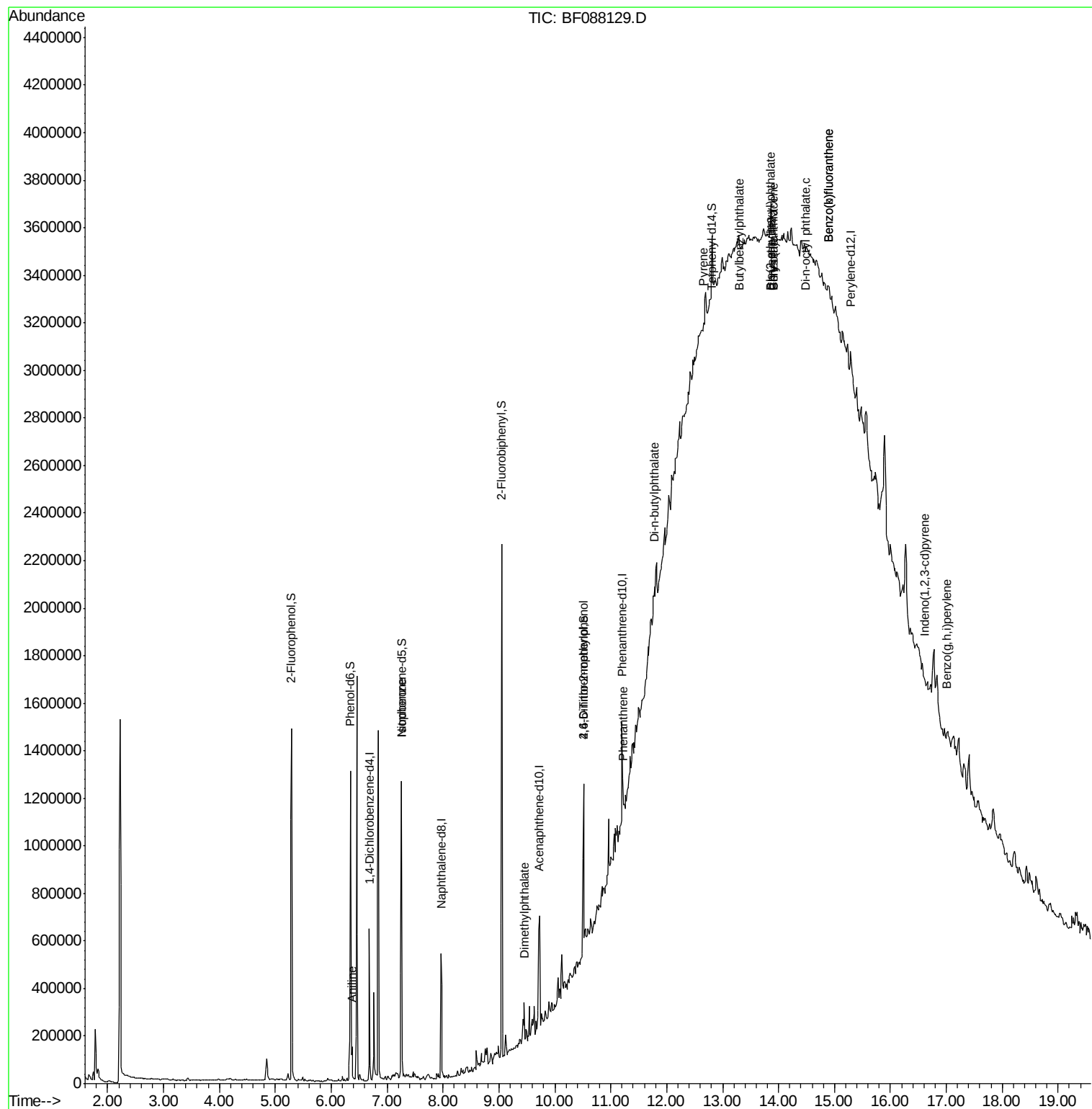
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.38	93	23031	2.47	ng	# 54
10) Phenol	6.36	94	13423	Below	Cal	# 89
25) Isophorone	7.26	82	320747	31.22	ng	# 65
45) 1,1'-Biphenyl	9.15	154	913	Below	Cal	# 63
49) Dimethylphthalate	9.45	163	84796	9.24	ng	# 99
57) Fluorene	10.26	166	1703	Below	Cal	# 14
64) 4,6-Dinitro-2-methylphenol	10.51	198	246	2.37	ng	# 1
70) Phenanthrene	11.22	178	19937	2.08	ng	# 53
73) Di-n-butylphthalate	11.78	149	58213	5.09	ng	# 84
77) Pyrene	12.65	202	20286	4.22	ng	# 40
79) Butylbenzylphthalate	13.29	149	64532	30.35	ng	# 74
80) Benzo(a)anthracene	13.91	228	7988	2.16	ng	# 1
82) Chrysene	13.91	228	7613	2.19	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.86	149	266868	103.09	ng	# 97
84) Di-n-octyl phthalate	14.49	149	12467	2.96	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.62	276	6876	2.13	ng	# 100
87) Benzo(b)fluoranthene	14.90	252	13026	2.43	ng	# 1
88) Benzo(k)fluoranthene	14.90	252	12898	3.18	ng	# 1
91) Benzo(g,h,i)perylene	17.01	276	15889	3.83	ng	# 28

(#) = 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: BF088129.D

Acq: 18 Jun 2016 12:50

Instrument :

BNA_F

ClientSampleId :

SS2-0-6

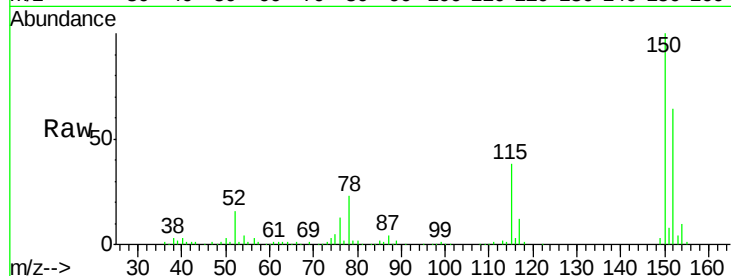
Tgt Ion:152 Resp: 92512

Ion Ratio Lower Upper

152 100

150 156.5 123.8 185.6

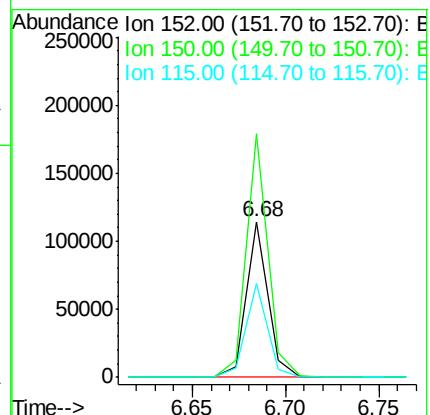
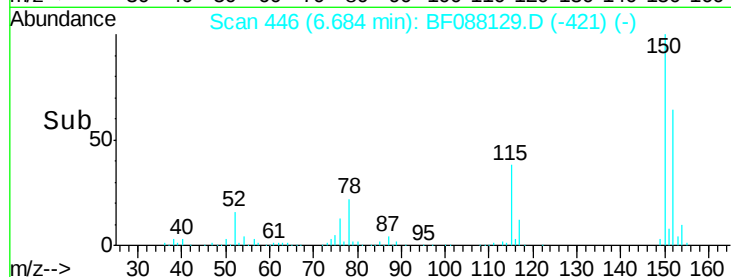
115 60.1 39.6 59.4#



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: 113.20 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

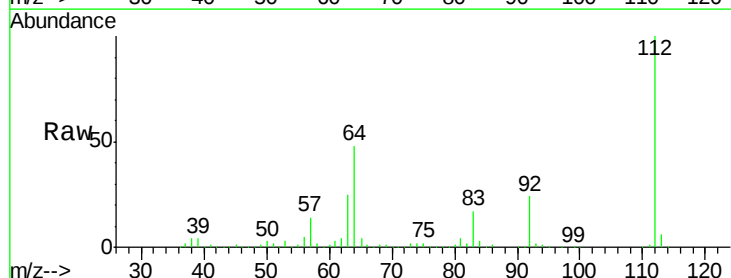
Tgt Ion:112 Resp: 612560

Ion Ratio Lower Upper

112 100

64 48.2 42.2 63.2

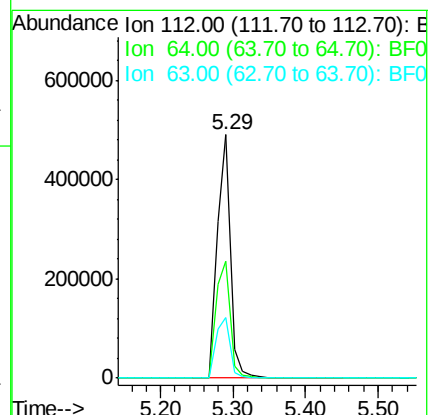
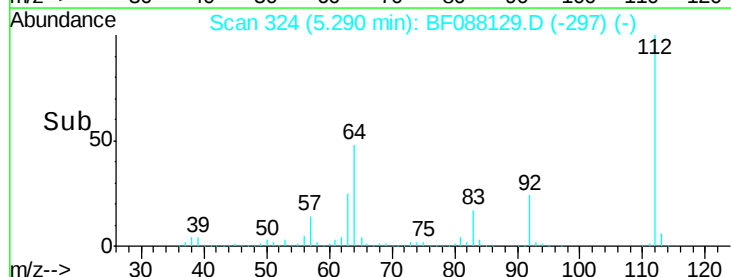
63 24.8 21.8 32.8

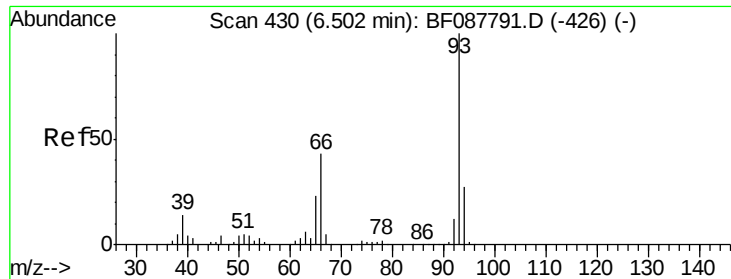


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 2.47 ng

RT: 6.38 min Scan# 419

Delta R.T. 0.01 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

Instrument :

BNA_F

ClientSampleId :

SS2-0-6

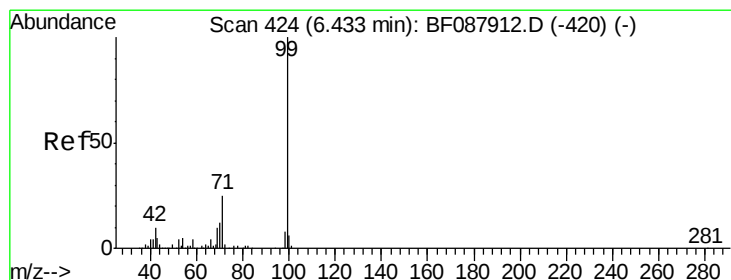
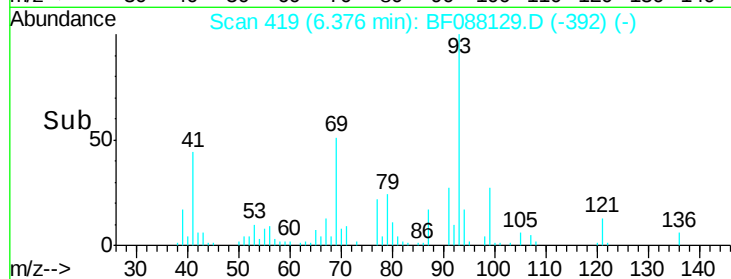
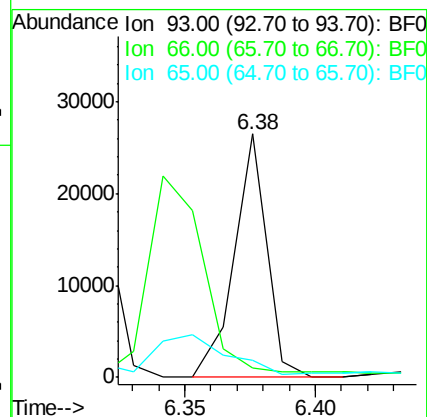
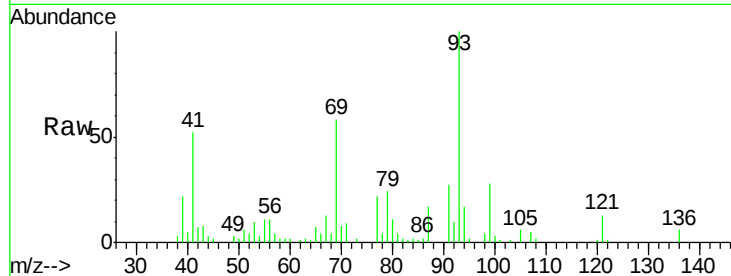
Tgt Ion: 93 Resp: 23031

Ion Ratio Lower Upper

93 100

66 4.1 29.8 44.8#

65 7.2 14.9 22.3#



#7

Phenol-d6

Concen: 109.21 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

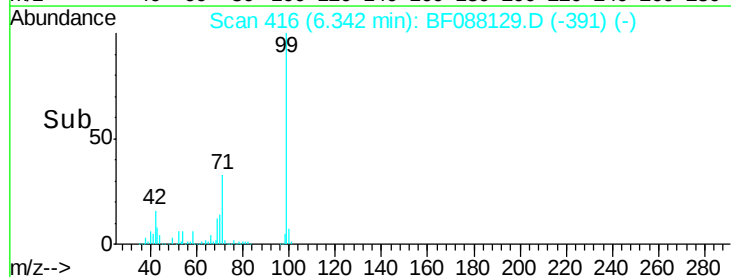
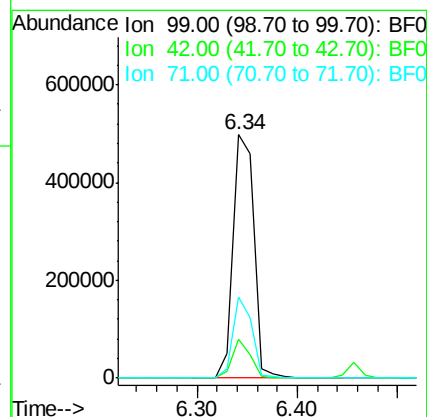
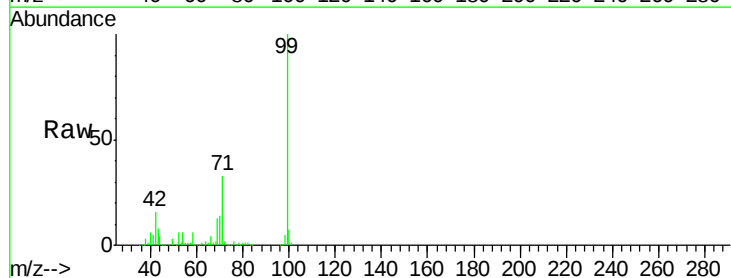
Tgt Ion: 99 Resp: 716208

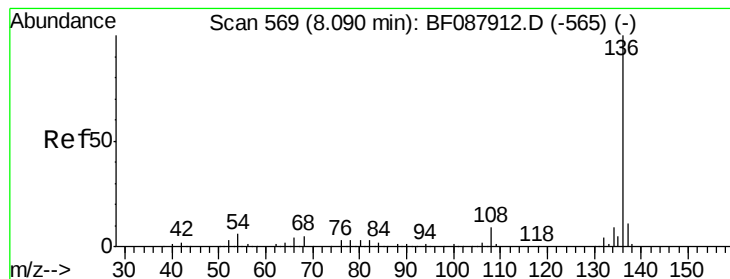
Ion Ratio Lower Upper

99 100

42 16.0 12.2 18.2

71 33.2 23.4 35.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.02 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

Instrument :

BNA_F

ClientSampleId :

SS2-0-6

Tgt Ion:136 Resp: 323885

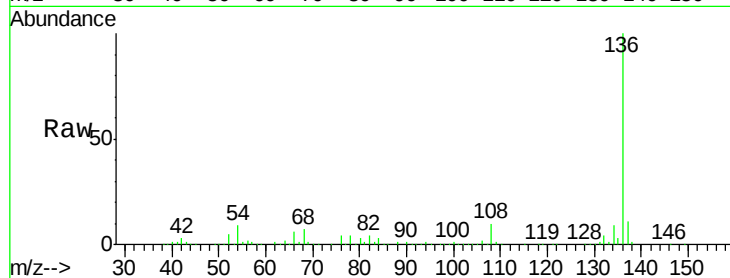
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 9.2 6.6 10.0

68 7.5 5.1 7.7

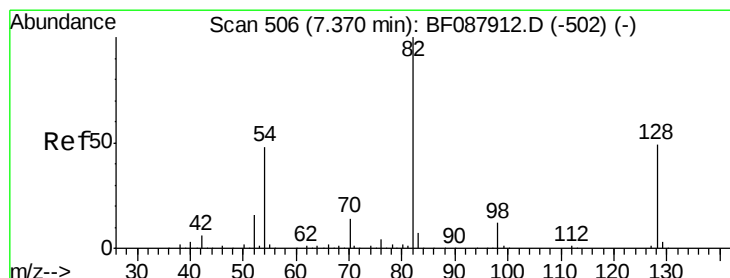
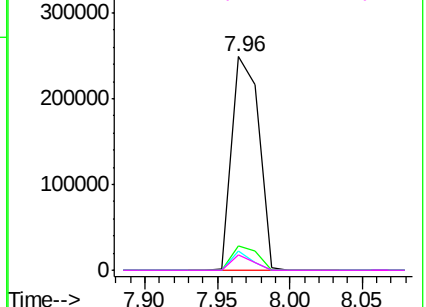
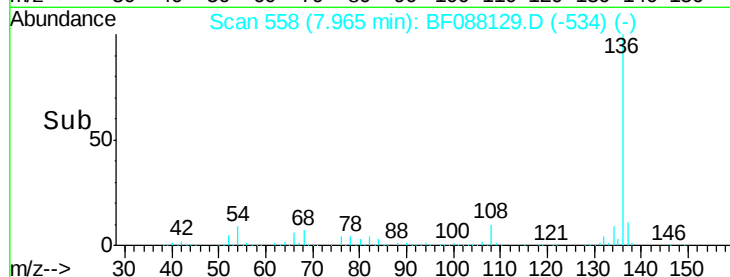


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.08 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

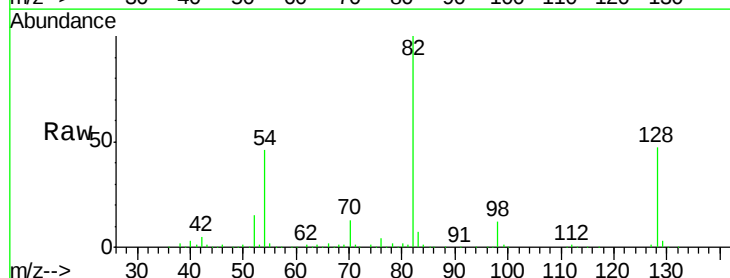
Tgt Ion: 82 Resp: 427545

Ion Ratio Lower Upper

82 100

128 47.4 35.9 53.9

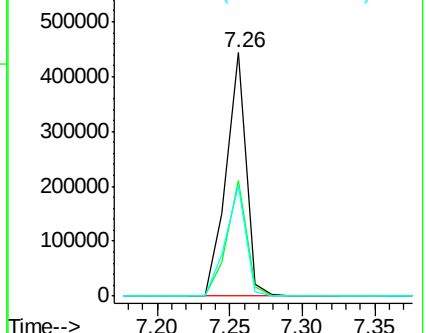
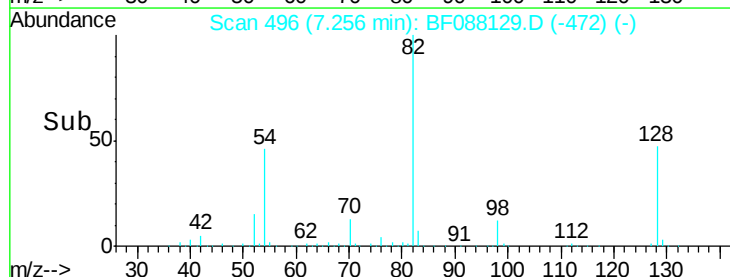
54 45.6 40.9 61.3

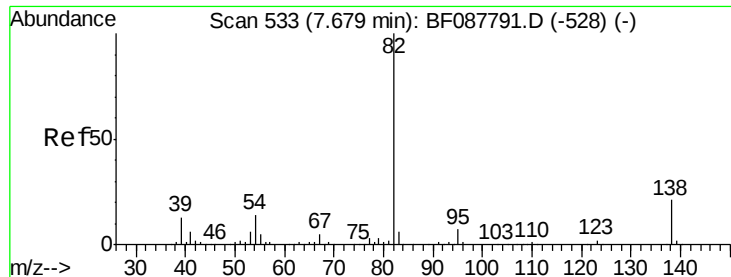


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 31.22 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.29 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

Instrument :

BNA_F

ClientSampleId :

SS2-0-6

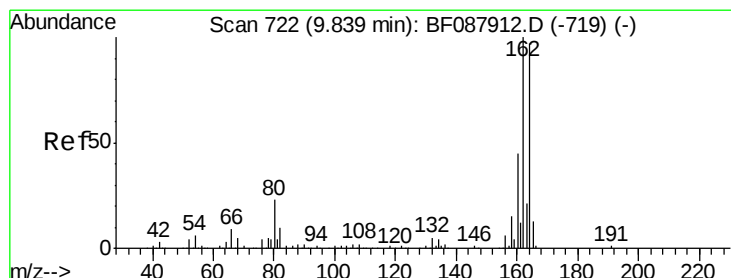
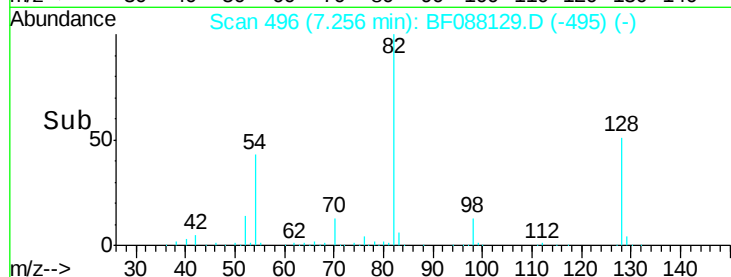
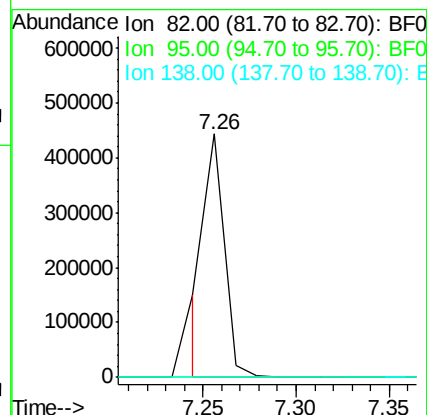
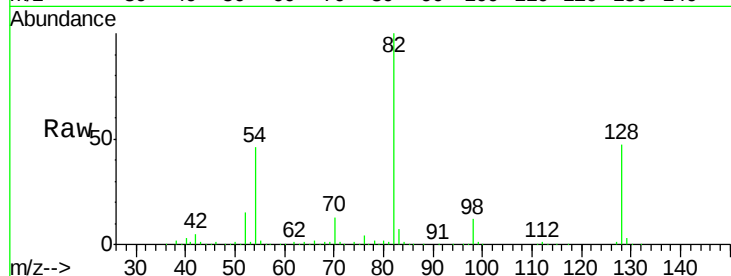
Tgt Ion: 82 Resp: 320747

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

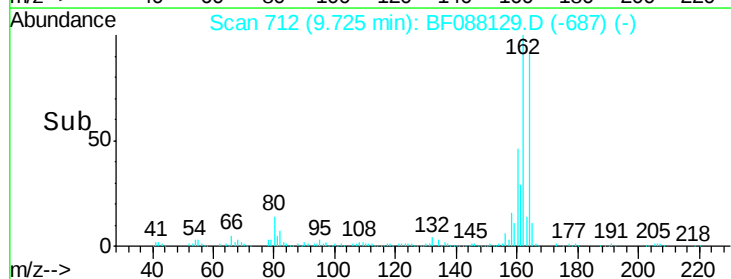
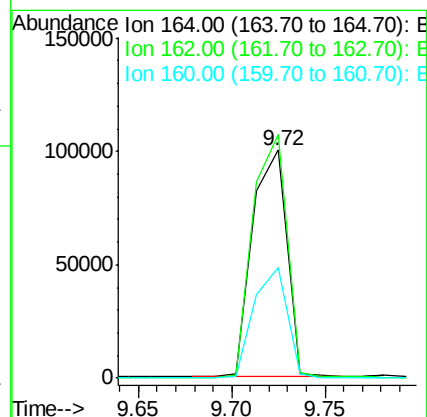
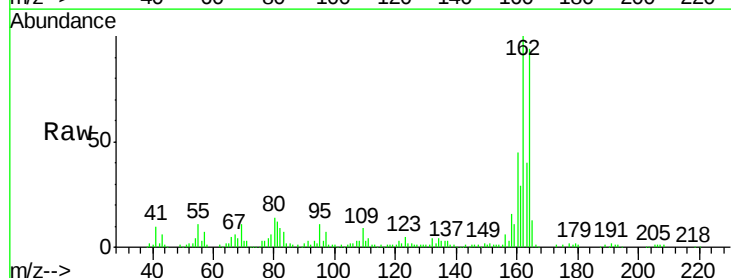
Tgt Ion: 164 Resp: 126648

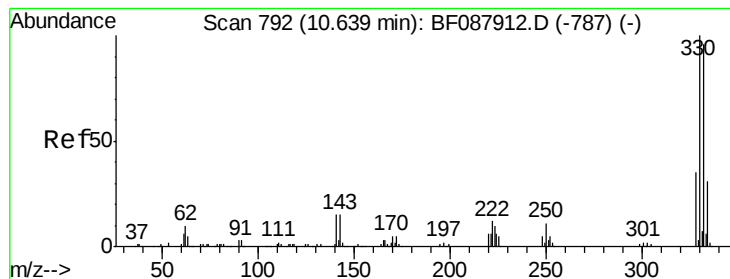
Ion Ratio Lower Upper

164 100

162 106.9 85.4 128.2

160 48.5 39.5 59.3

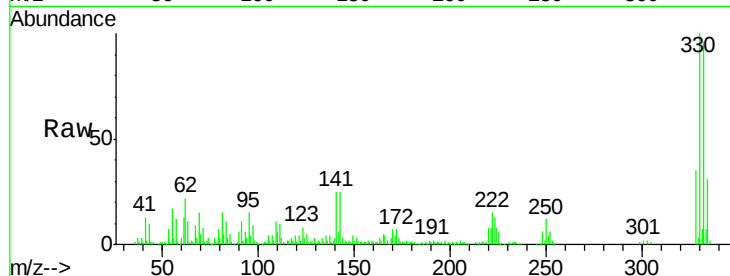




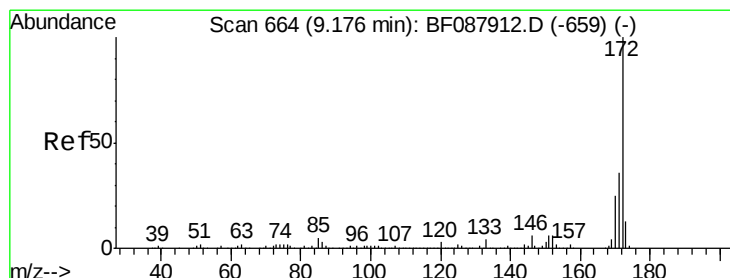
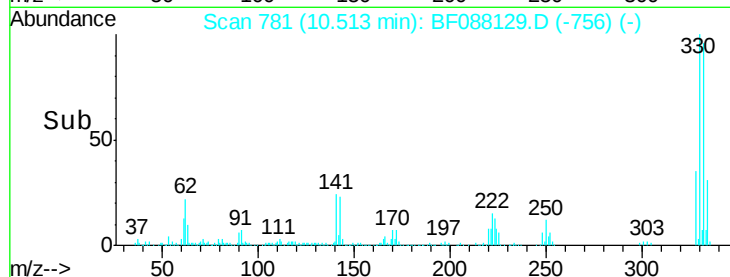
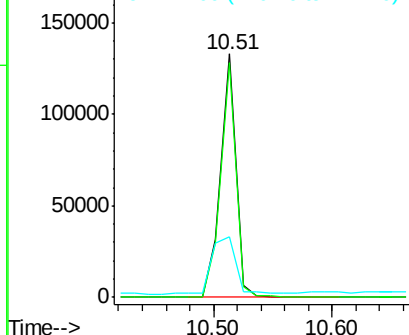
#41
 2,4,6-Tribromophenol
 Concen: 88.99 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF088129.D
 Acq: 18 Jun 2016 12:50

Instrument :
 BNA_F
 ClientSampleId :
 SS2-0-6

Tgt Ion:330 Resp: 119003
 Ion Ratio Lower Upper
 330 100
 332 95.6 0.0 0.0#
 141 36.6 0.0 0.0#

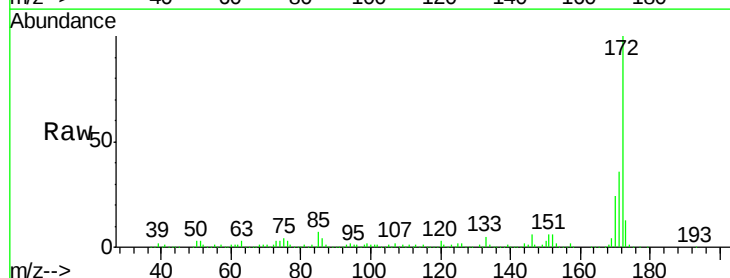


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

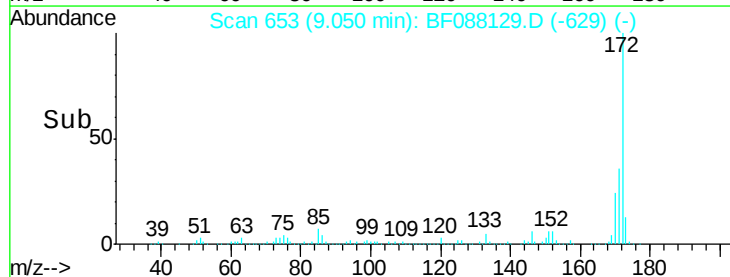
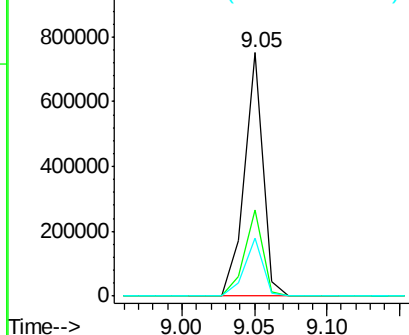


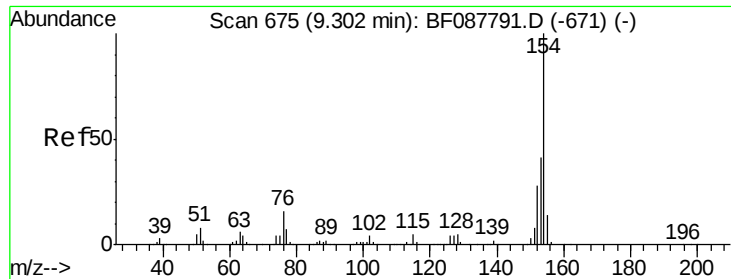
#44
 2-Fluorobiphenyl
 Concen: 82.70 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088129.D
 Acq: 18 Jun 2016 12:50

Tgt Ion:172 Resp: 667964
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 43.0
 170 24.1 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: 9.15 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

Instrument :

BNA_F

ClientSampleId :

SS2-0-6

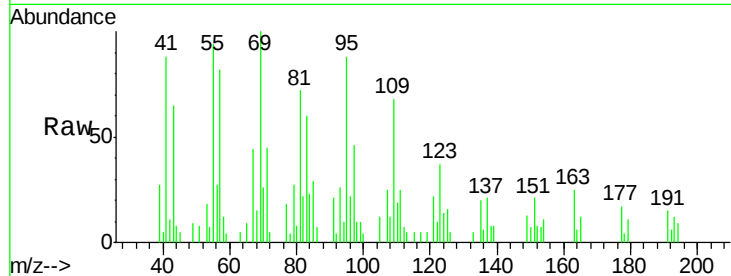
Tgt Ion:154 Resp: 913

Ion Ratio Lower Upper

154 100

153 63.6 20.6 60.6#

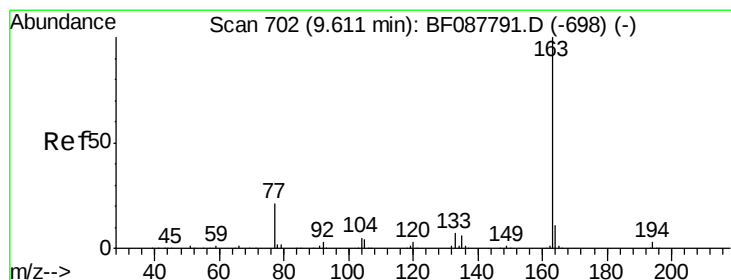
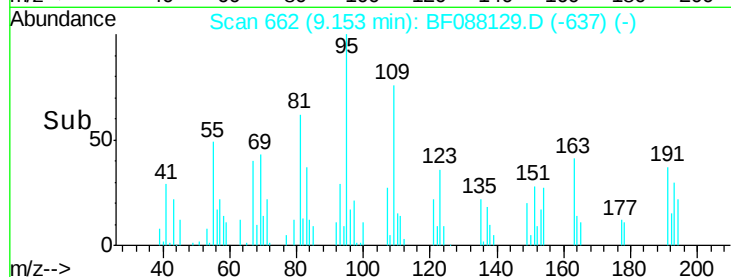
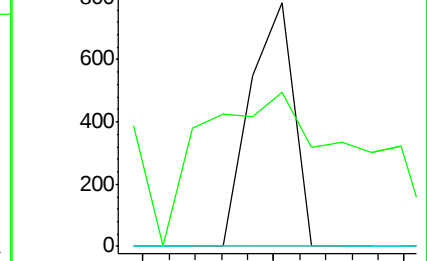
76 0.0 0.0 35.1



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: 9.24 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

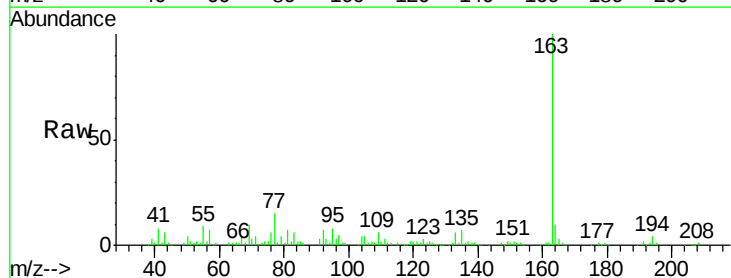
Tgt Ion:163 Resp: 84796

Ion Ratio Lower Upper

163 100

194 3.8 2.8 4.2

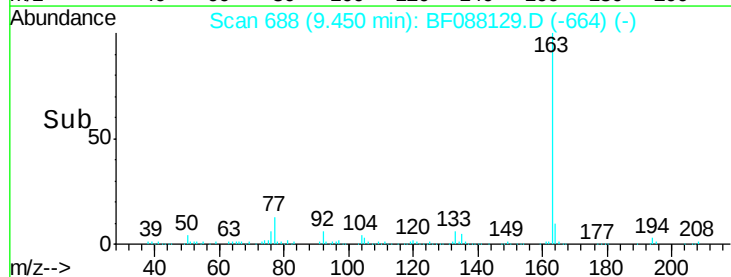
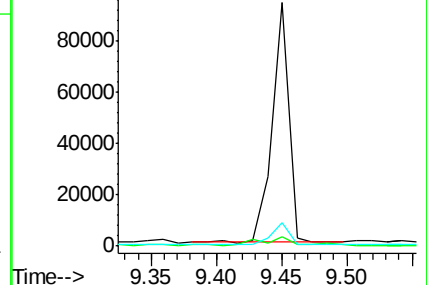
164 9.9 8.3 12.5

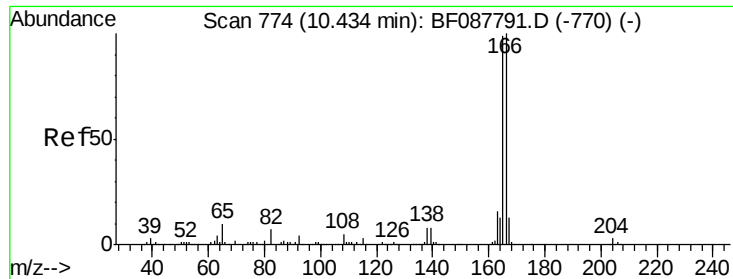


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

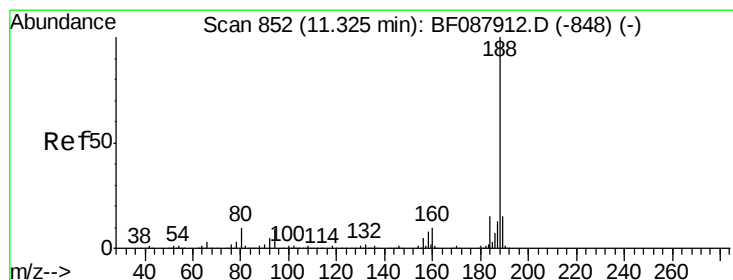
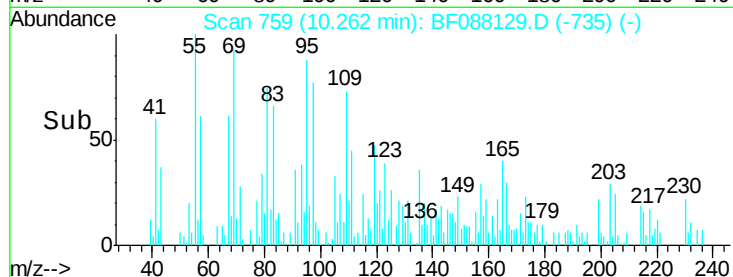
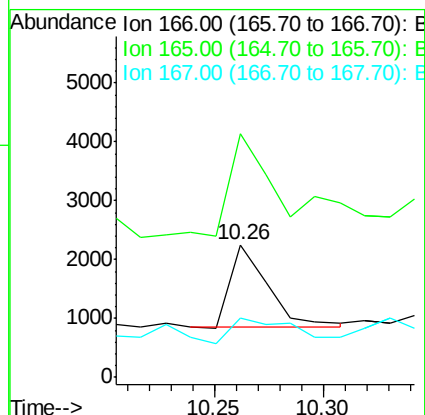
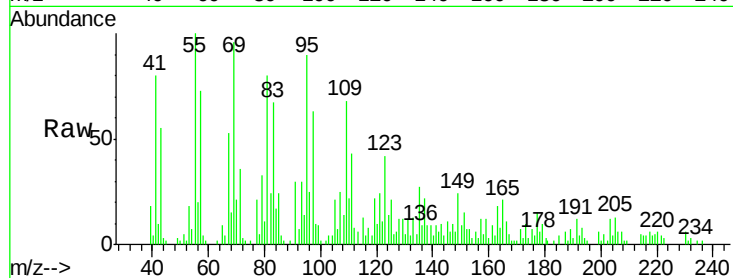




#57
 Fluorene
 Concen: Below Cal
 RT: 10.26 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF088129.D
 Acq: 18 Jun 2016 12:50

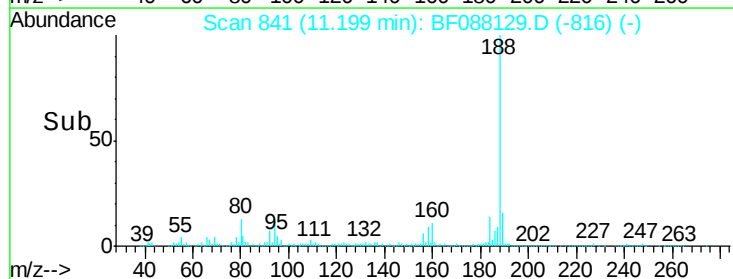
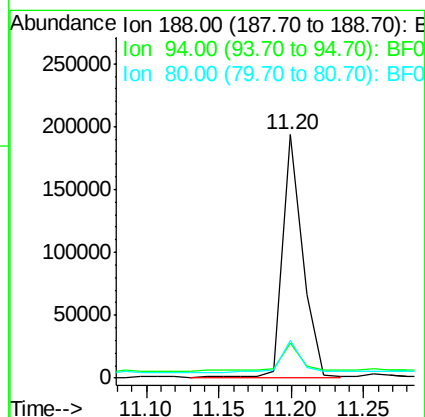
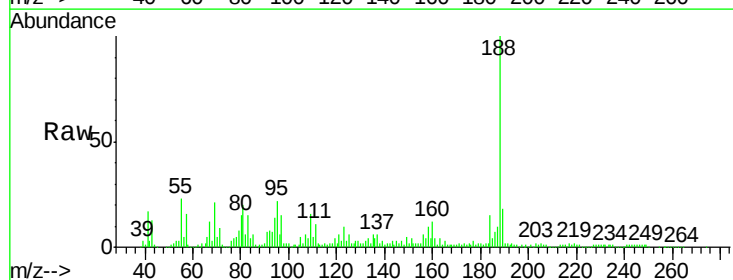
Instrument :
 BNA_F
 ClientSampleId :
 SS2-0-6

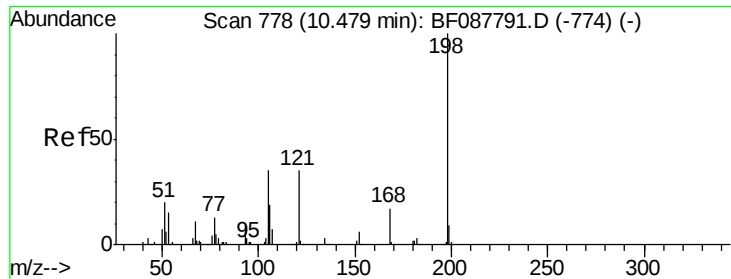
Tgt Ion:166 Resp: 1703
 Ion Ratio Lower Upper
 166 100
 165 183.7 77.8 116.8#
 167 45.2 11.2 16.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF088129.D
 Acq: 18 Jun 2016 12:50

Tgt Ion:188 Resp: 182361
 Ion Ratio Lower Upper
 188 100
 94 14.2 9.0 13.6#
 80 15.2 10.0 15.0#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.37 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.16 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

Instrument :

BNA_F

ClientSampleId :

SS2-0-6

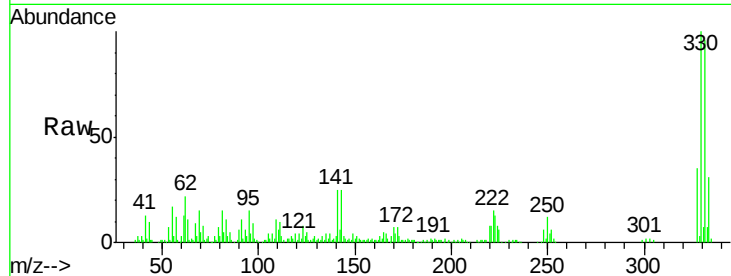
Tgt Ion:198 Resp: 246

Ion Ratio Lower Upper

198 100

51 337.6 39.6 79.6#

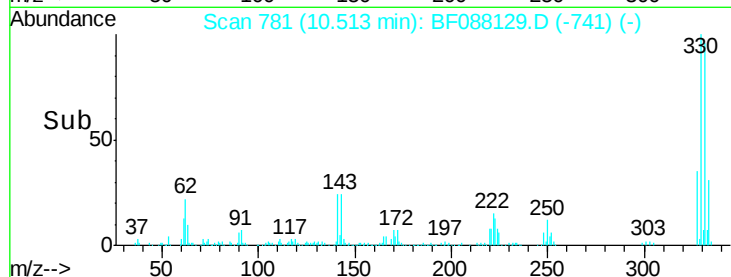
105 1423.1 36.6 76.6#



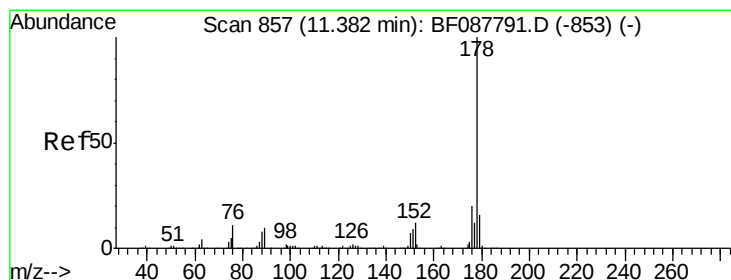
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time-->



#70

Phenanthrene

Concen: 2.08 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.02 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

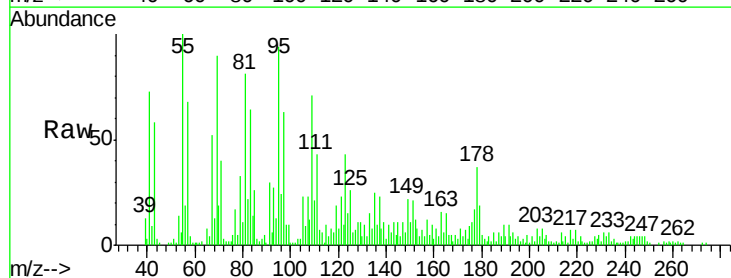
Tgt Ion:178 Resp: 19937

Ion Ratio Lower Upper

178 100

176 28.4 15.8 23.6#

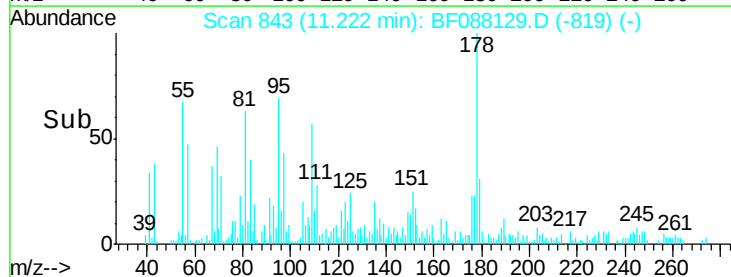
179 51.1 13.0 19.4#



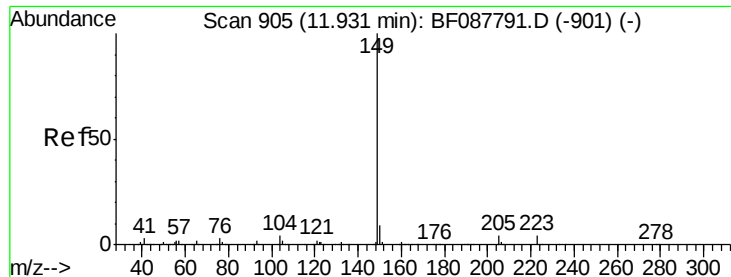
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#73

Di-n-butylphthalate

Concen: 5.09 ng

RT: 11.78 min Scan# 892

Delta R.T. -0.00 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

Instrument :

BNA_F

ClientSampleId :

SS2-0-6

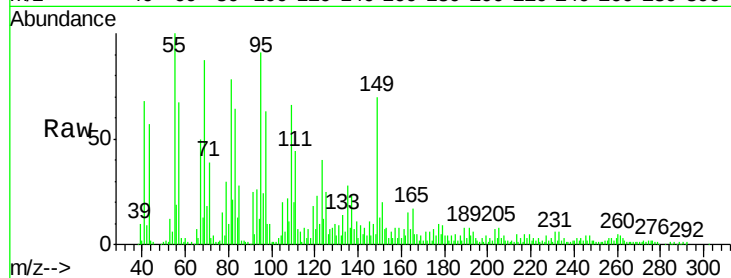
Tgt Ion:149 Resp: 58213

Ion Ratio Lower Upper

149 100

150 18.0 7.8 11.6#

104 5.8 4.0 6.0

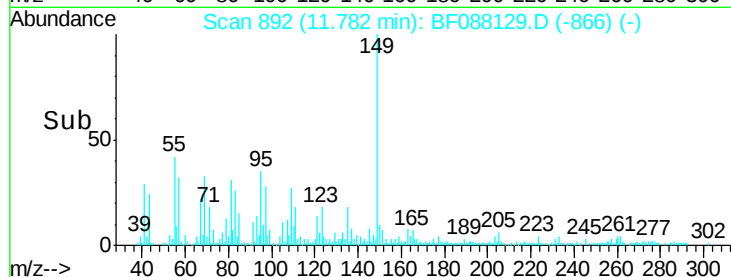


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->



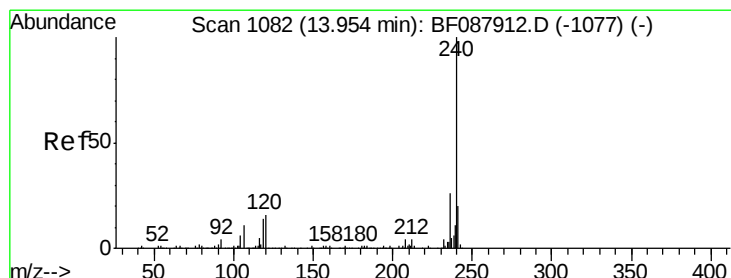
Abundance

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

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1075

Delta R.T. 0.02 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

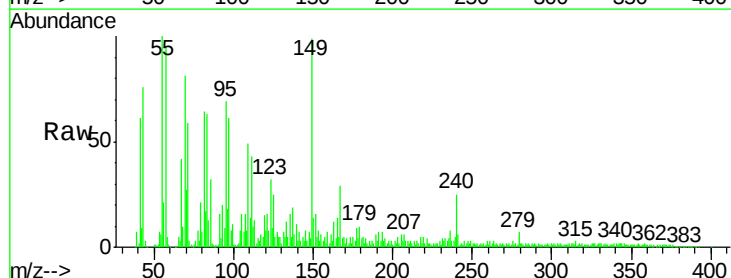
Tgt Ion:240 Resp: 64820

Ion Ratio Lower Upper

240 100

120 32.1 6.8 10.2#

236 30.4 20.2 30.2#

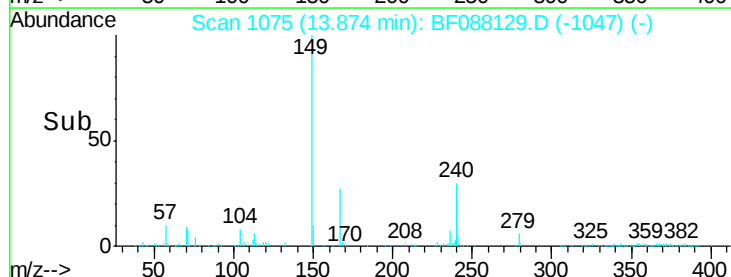


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



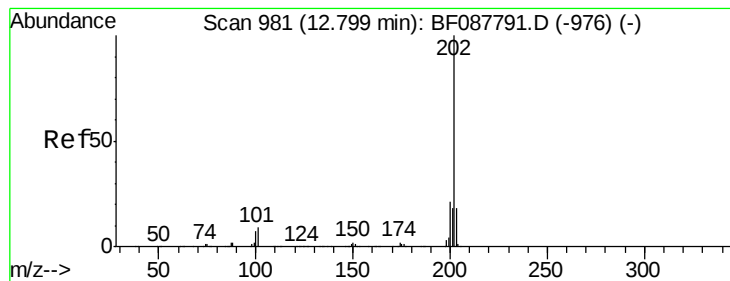
Abundance

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

Time-->



#77

Pyrene

Concen: 4.22 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

Instrument :

BNA_F

ClientSampleId :

SS2-0-6

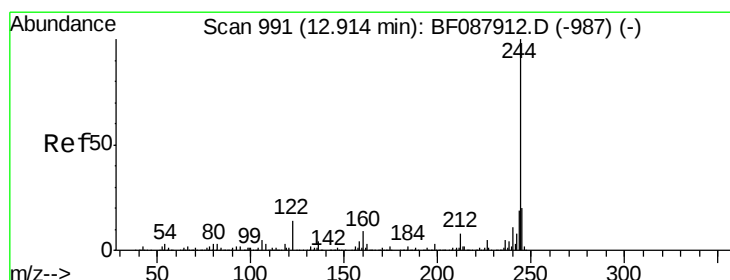
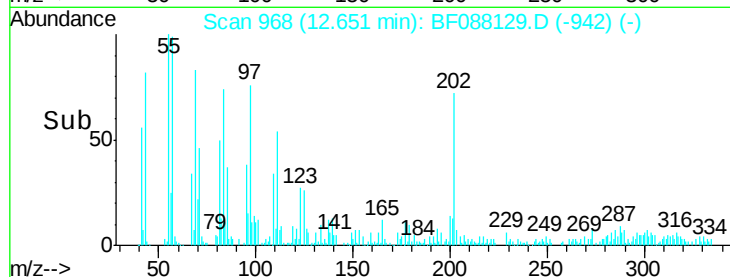
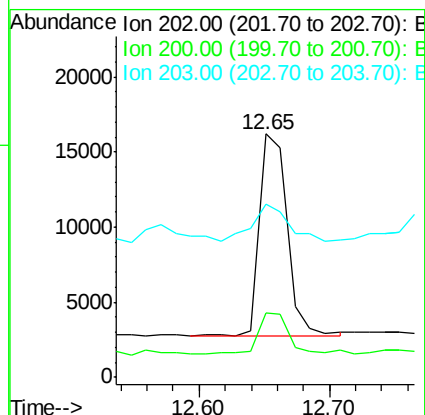
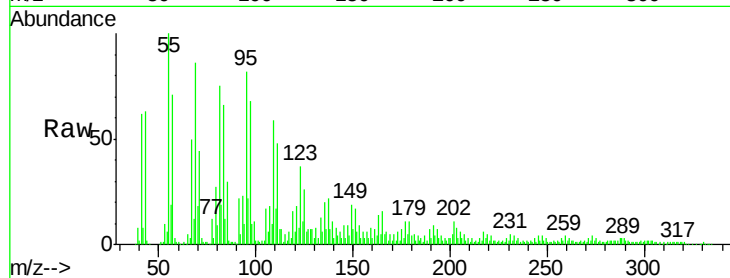
Tgt Ion:202 Resp: 20286

Ion Ratio Lower Upper

202 100

200 26.5 17.4 26.2#

203 71.3 14.5 21.7#



#78

Terphenyl-d14

Concen: 97.69 ng

RT: 12.81 min Scan# 982

Delta R.T. 0.01 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

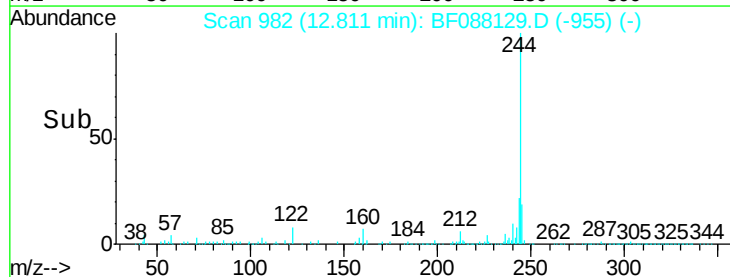
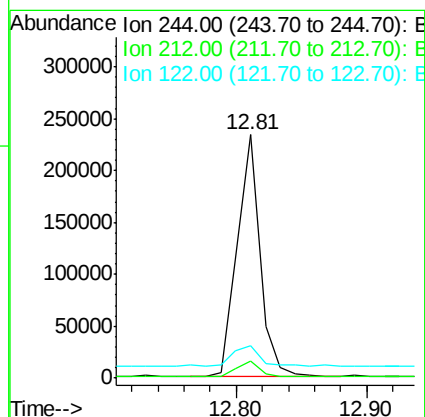
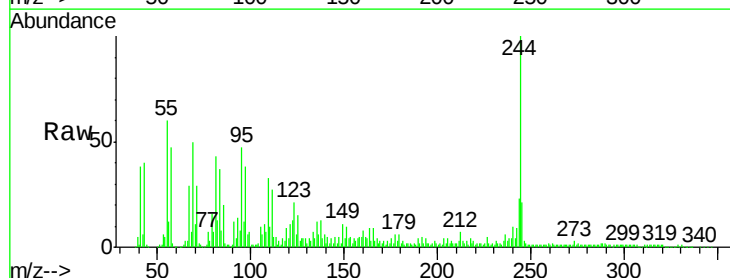
Tgt Ion:244 Resp: 278272

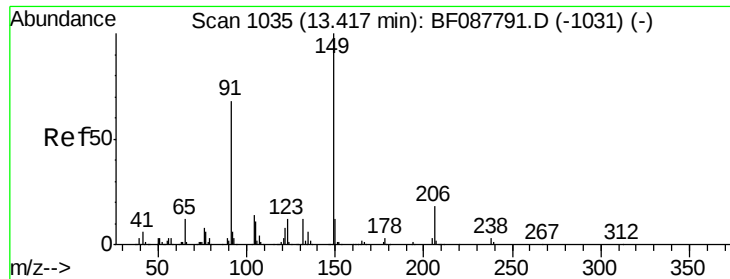
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 13.1 11.2 16.8





#79

Butylbenzylphthalate

Concen: 30.35 ng

RT: 13.29 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

Instrument :

BNA_F

ClientSampleId :

SS2-0-6

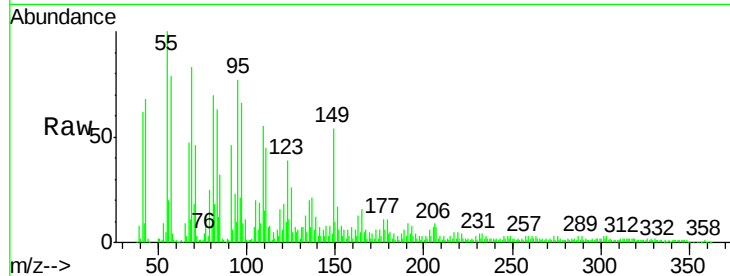
Tgt Ion:149 Resp: 64532

Ion Ratio Lower Upper

149 100

91 84.5 48.0 72.0#

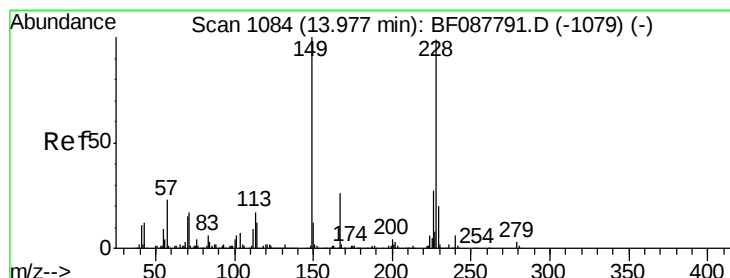
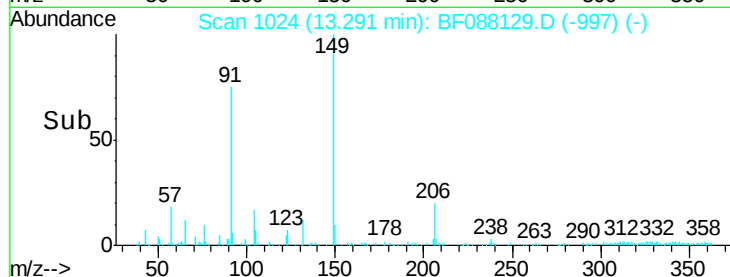
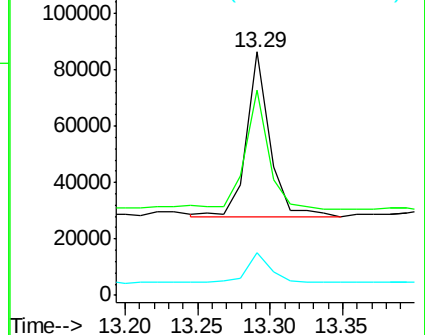
206 17.5 16.0 24.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 2.16 ng

RT: 13.91 min Scan# 1078

Delta R.T. 0.07 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

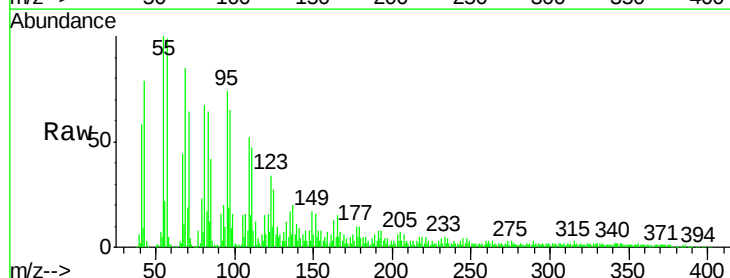
Tgt Ion:228 Resp: 7988

Ion Ratio Lower Upper

228 100

226 60.0 22.3 33.5#

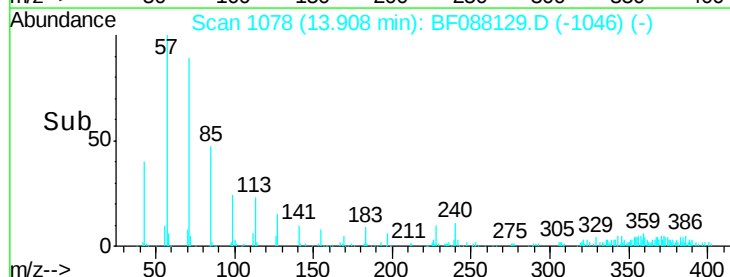
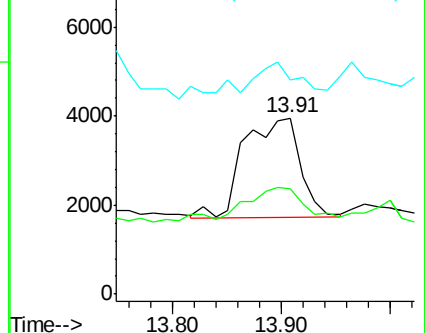
229 121.5 16.0 24.0#

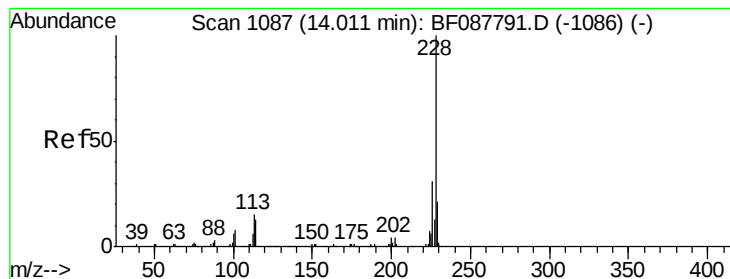


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.19 ng

RT: 13.91 min Scan# 1078

Delta R.T. 0.03 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

Instrument :

BNA_F

ClientSampleId :

SS2-0-6

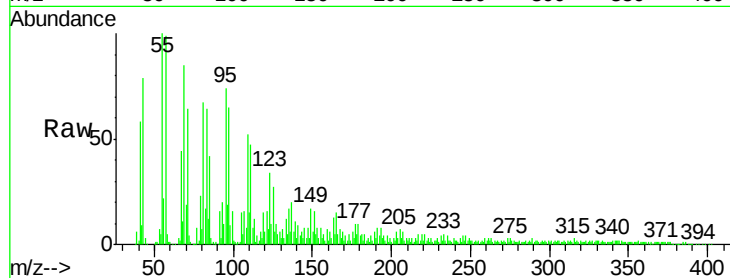
Tgt Ion:228 Resp: 7613

Ion Ratio Lower Upper

228 100

226 60.0 25.4 38.2#

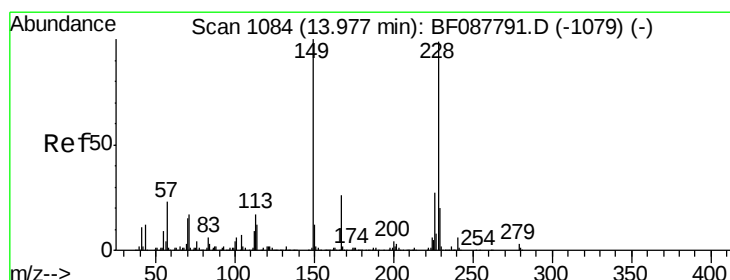
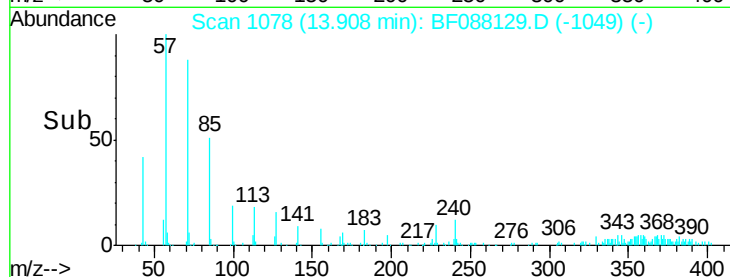
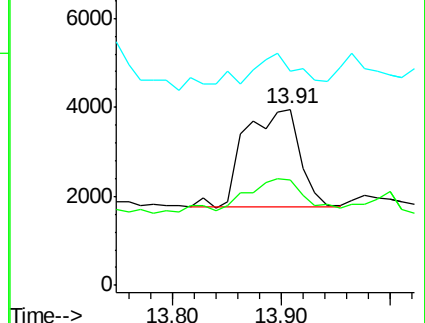
229 121.5 16.3 24.5#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 103.09 ng

RT: 13.86 min Scan# 1074

Delta R.T. 0.02 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

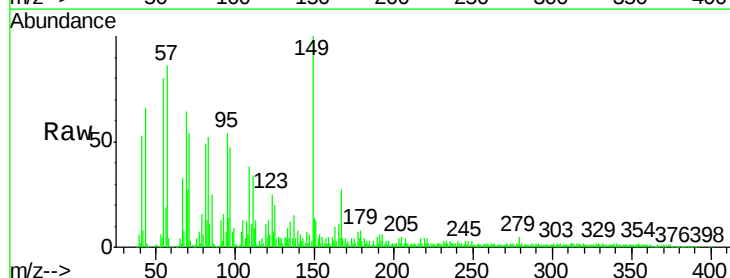
Tgt Ion:149 Resp: 266868

Ion Ratio Lower Upper

149 100

167 27.1 20.5 30.7

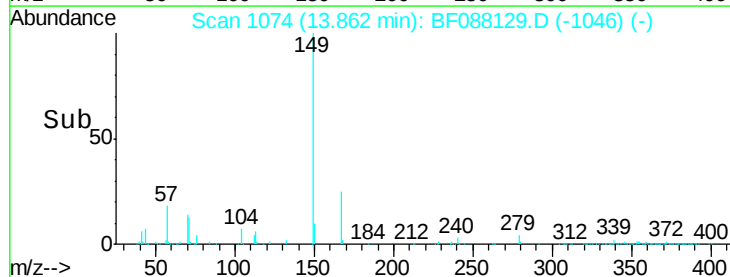
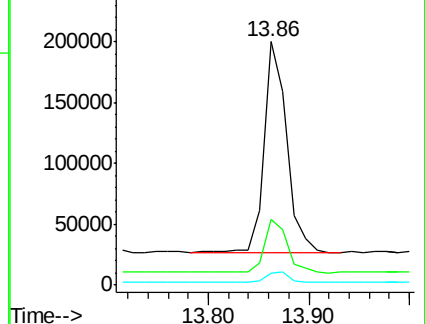
279 4.8 2.0 3.0#

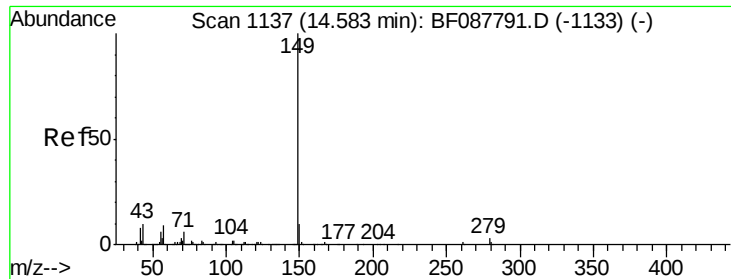


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

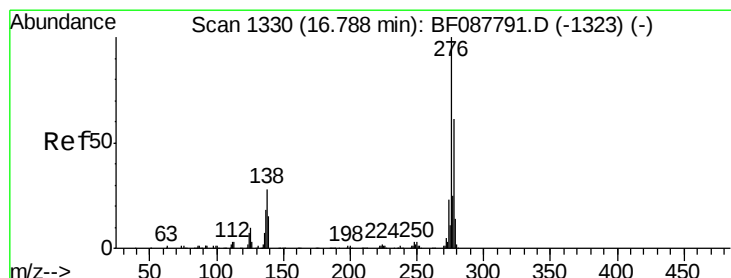
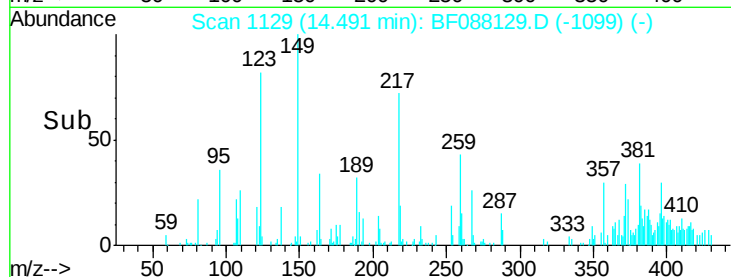
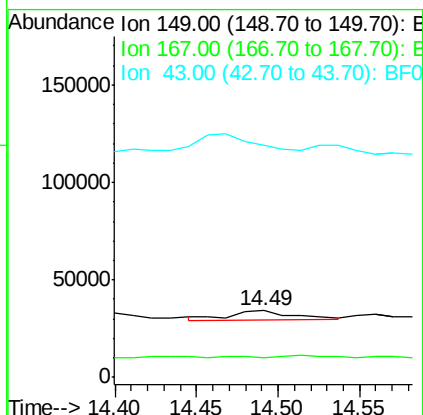
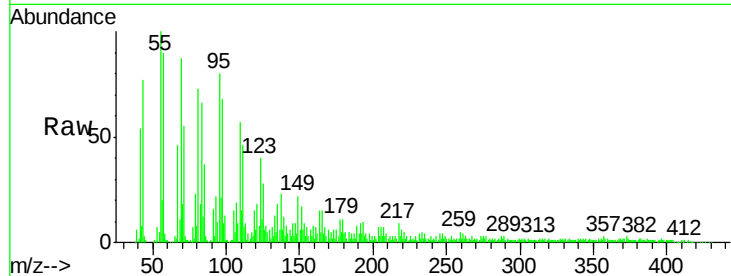




#84
 Di-n-octyl phthalate
 Concen: 2.96 ng
 RT: 14.49 min Scan# 1129
 Delta R.T. 0.05 min
 Lab File: BF088129.D
 Acq: 18 Jun 2016 12:50

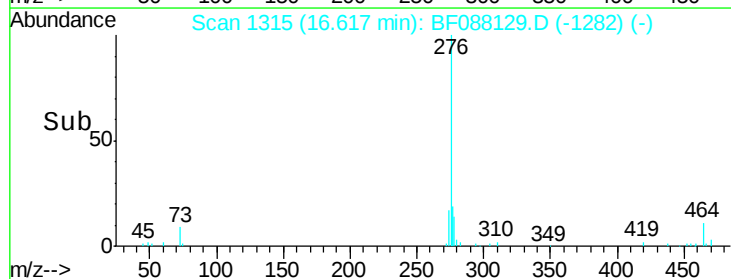
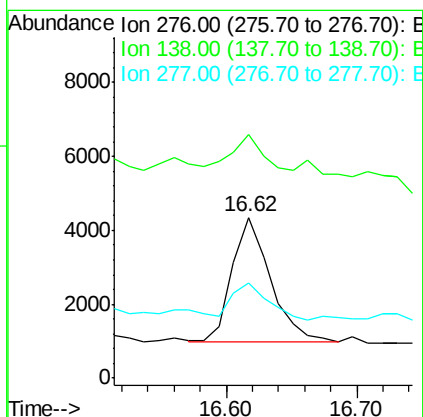
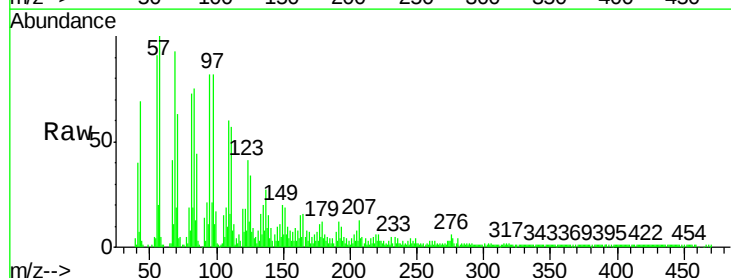
Instrument :
 BNA_F
 ClientSampleId :
 SS2-0-6

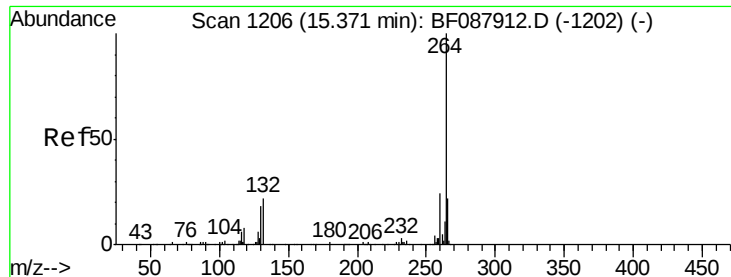
Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	0.0	0.0
43	0.0	0.0	0.0



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.13 ng
 RT: 16.62 min Scan# 1315
 Delta R.T. 0.08 min
 Lab File: BF088129.D
 Acq: 18 Jun 2016 12:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	0.0	0.0#
277	27.5	0.0	0.0#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.29 min Scan# 1199

Delta R.T. 0.07 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

Instrument :

BNA_F

ClientSampleId :

SS2-0-6

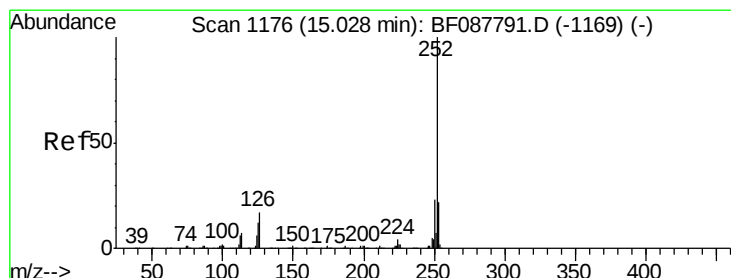
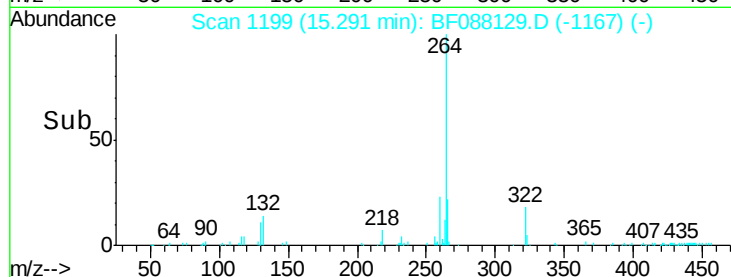
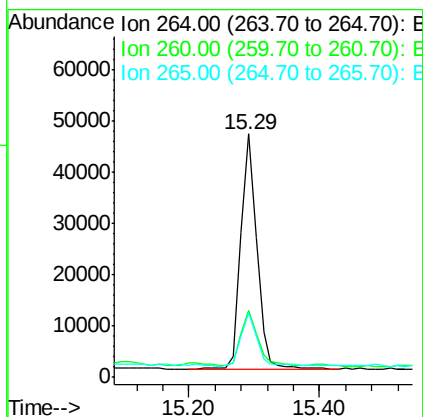
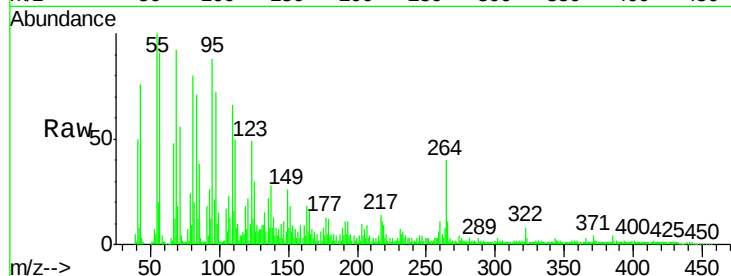
Tgt Ion:264 Resp: 77032

Ion Ratio Lower Upper

264 100

260 27.6 19.2 28.8

265 26.2 16.9 25.3#



#87

Benzo(b)fluoranthene

Concen: 2.43 ng

RT: 14.90 min Scan# 1165

Delta R.T. 0.06 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

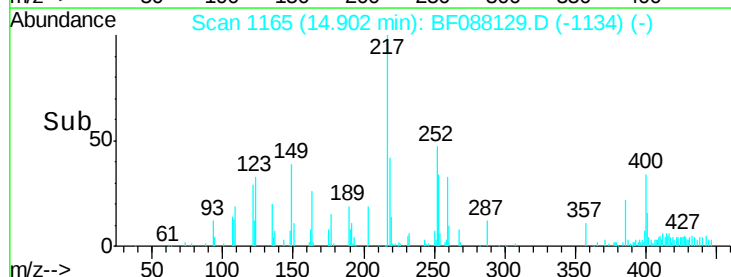
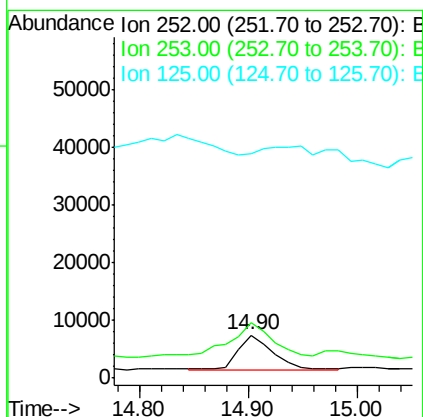
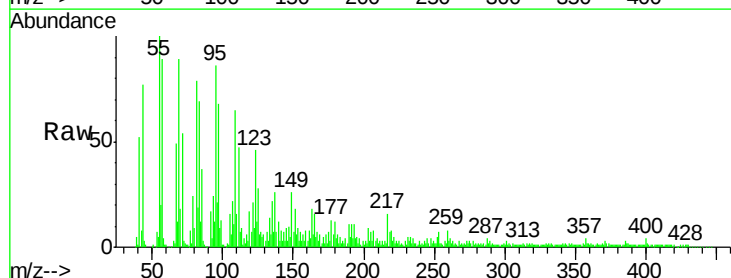
Tgt Ion:252 Resp: 13026

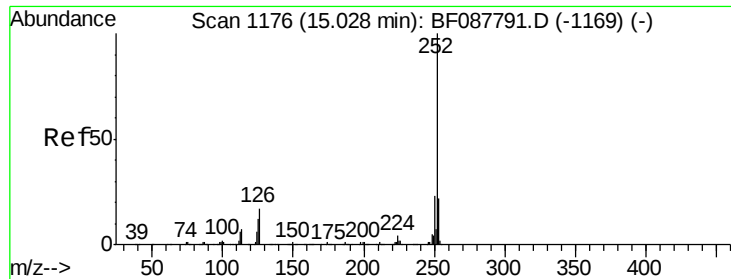
Ion Ratio Lower Upper

252 100

253 131.0 17.4 26.2#

125 525.8 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 3.18 ng

RT: 14.90 min Scan# 1165

Delta R.T. 0.03 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

Instrument :

BNA_F

ClientSampleId :

SS2-0-6

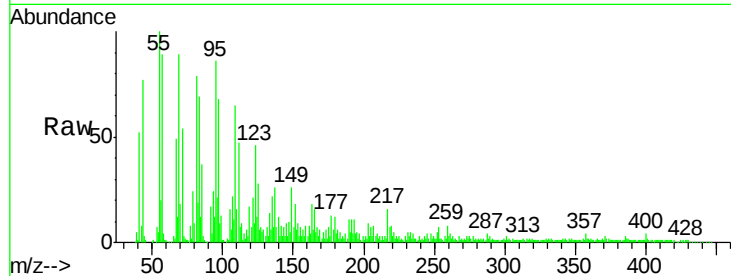
Tgt Ion:252 Resp: 12898

Ion Ratio Lower Upper

252 100

253 131.0 18.0 27.0#

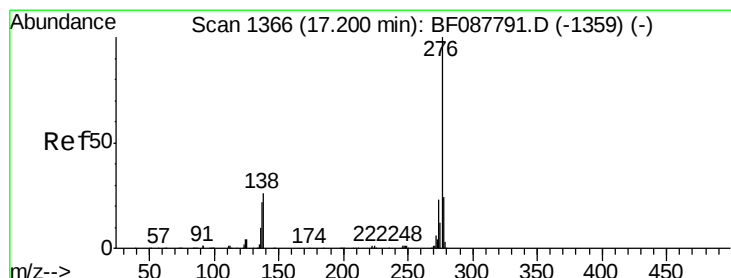
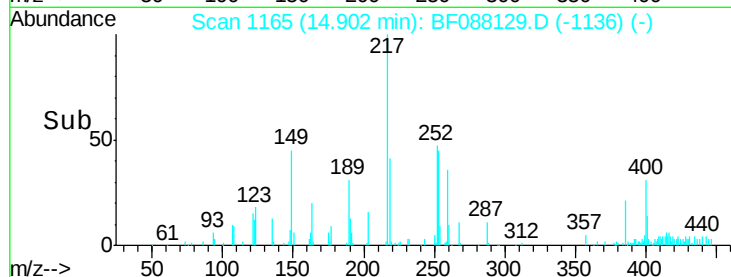
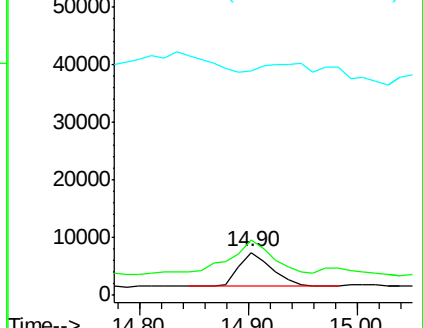
125 525.8 11.2 16.8#



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: 3.83 ng

RT: 17.01 min Scan# 1349

Delta R.T. 0.07 min

Lab File: BF088129.D

Acq: 18 Jun 2016 12:50

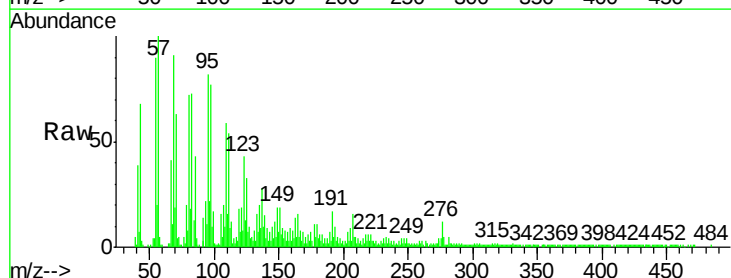
Tgt Ion:276 Resp: 15889

Ion Ratio Lower Upper

276 100

277 37.9 18.9 28.3#

138 83.0 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

