

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086929.D
 Acq On : 12 May 2016 14:34
 Operator : UM/SJ
 Sample : H2902-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: May 12 16:34:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 12 15:26:18 2016
 Response via : Initial Calibration

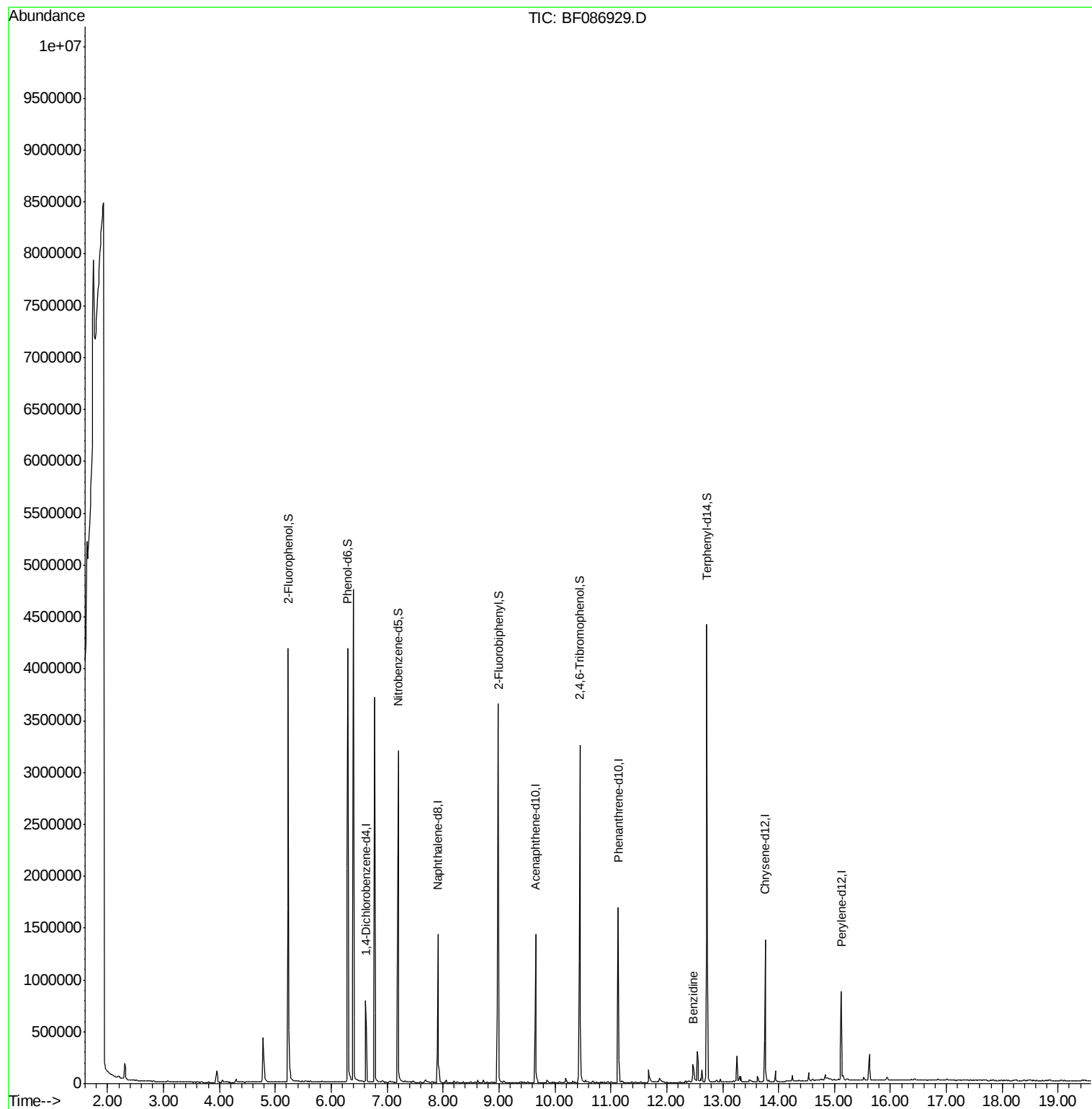
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	136556	20.00	ng	-0.02
21) Naphthalene-d8	7.91	136	595625	20.00	ng	-0.02
38) Acenaphthene-d10	9.66	164	292549	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	551918	20.00	ng	-0.02
75) Chrysene-d12	13.76	240	461779	20.00	ng	-0.02
86) Perylene-d12	15.12	264	344156	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1098080	136.18	ng	0.00
7) Phenol-d6	6.30	99	1431923	132.87	ng	-0.02
23) Nitrobenzene-d5	7.20	82	1138361	95.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	405781	131.02	ng	-0.02
44) 2-Fluorobiphenyl	8.99	172	1719869	98.80	ng	-0.01
78) Terphenyl-d14	12.72	244	1513739	69.55	ng	-0.01
Target Compounds						
76) Benzidine	12.48	184	61970	5.26	ng	Qvalue 96

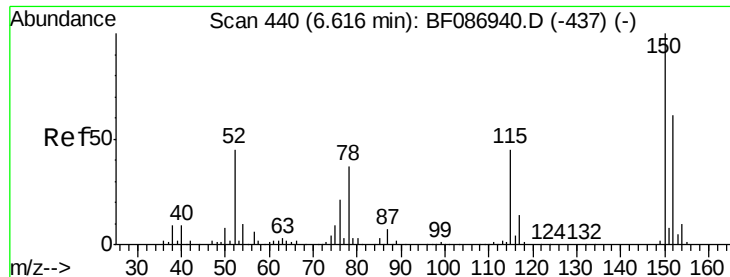
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.02 min

Lab File: BF086929.D

Acq: 12 May 2016 14:34

Instrument :

BNA_F

ClientSampleId :

WC-1

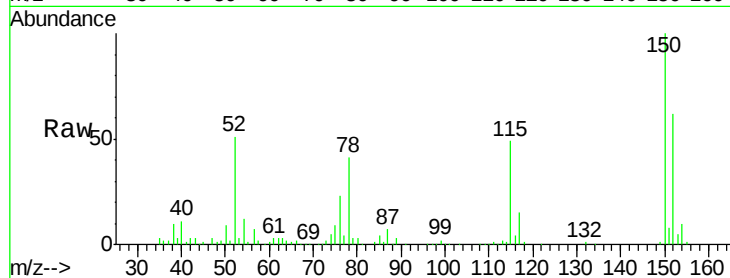
Tgt Ion:152 Resp: 136556

Ion Ratio Lower Upper

152 100

150 162.5 125.8 188.6

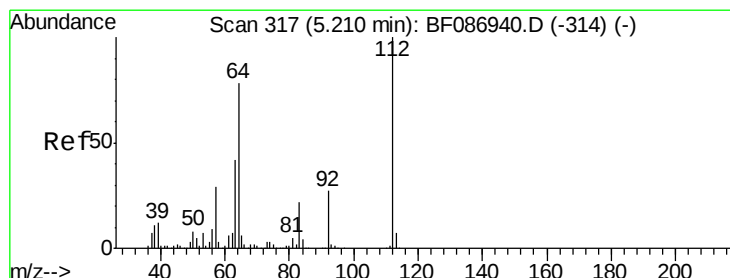
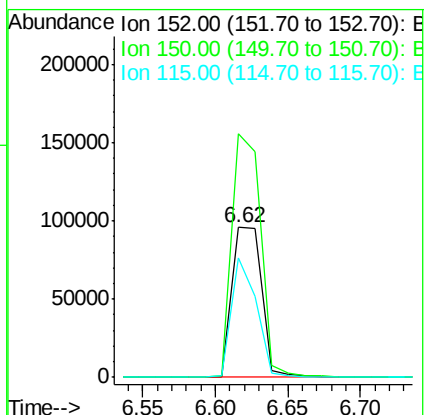
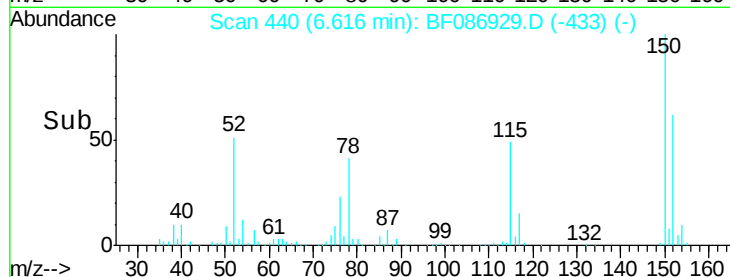
115 79.7 51.5 77.3#



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: 136.18 ng

RT: 5.23 min Scan# 319

Delta R.T. 0.00 min

Lab File: BF086929.D

Acq: 12 May 2016 14:34

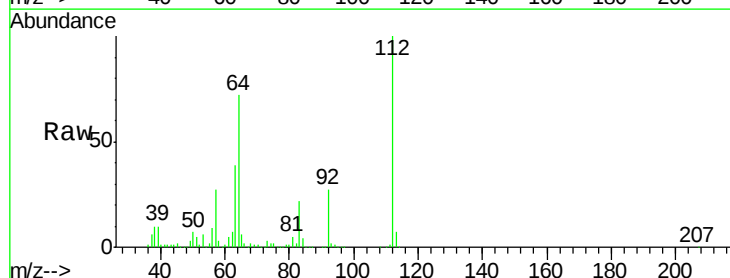
Tgt Ion:112 Resp: 1098080

Ion Ratio Lower Upper

112 100

64 72.3 52.1 78.1

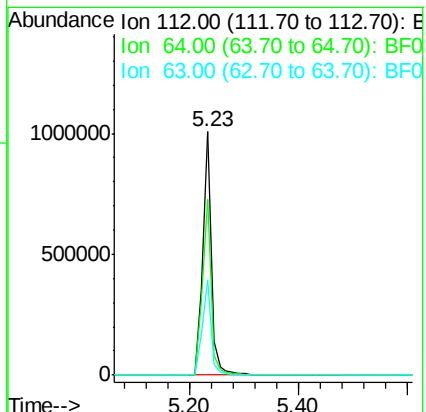
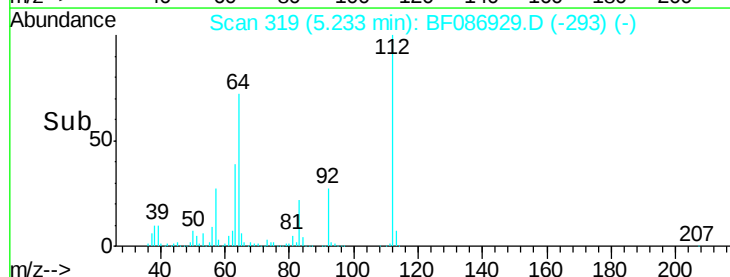
63 39.0 25.7 38.5#

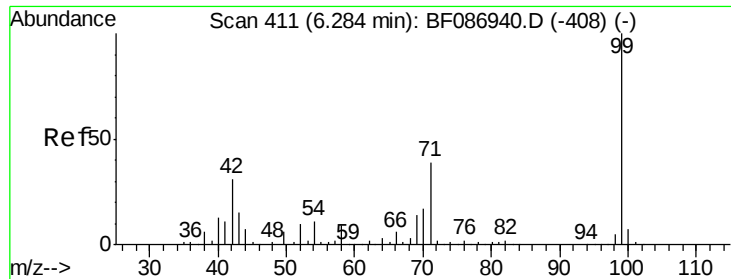


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.87 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF086929.D

Acq: 12 May 2016 14:34

Instrument :

BNA_F

ClientSampleId :

WC-1

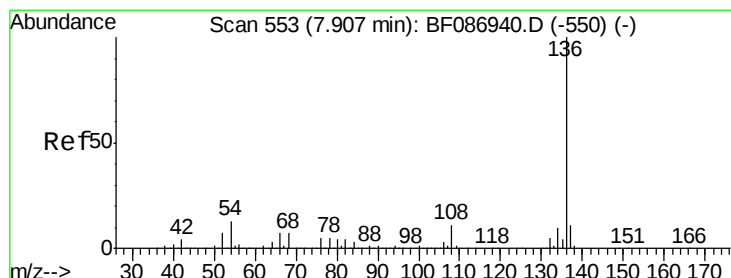
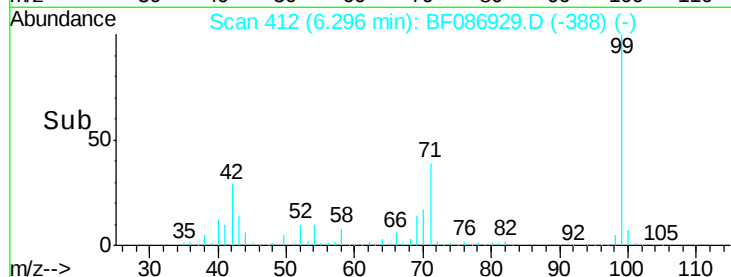
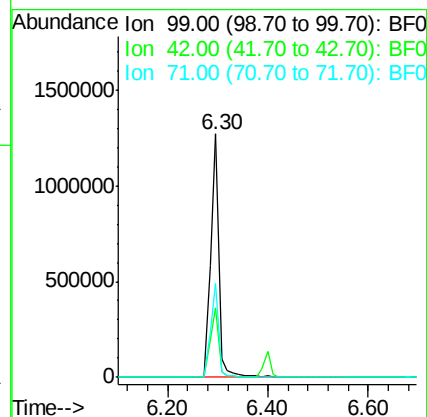
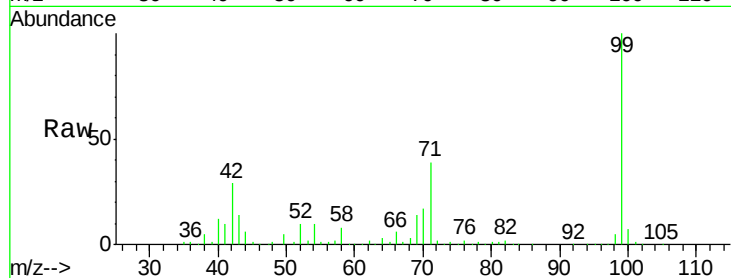
Tgt Ion: 99 Resp: 1431923

Ion Ratio Lower Upper

99 100

42 28.6 13.6 20.4#

71 38.7 24.6 36.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.02 min

Lab File: BF086929.D

Acq: 12 May 2016 14:34

Tgt Ion: 136 Resp: 595625

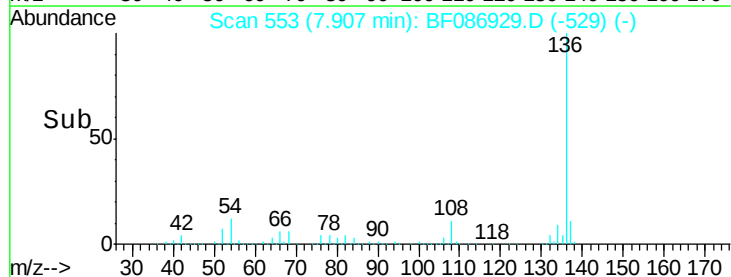
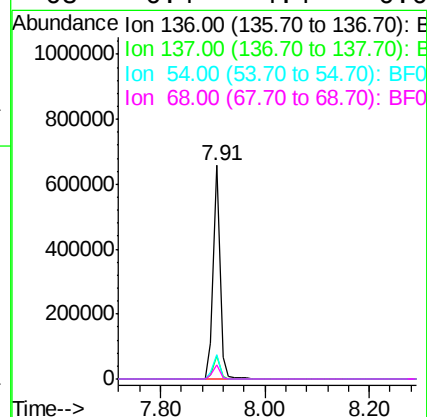
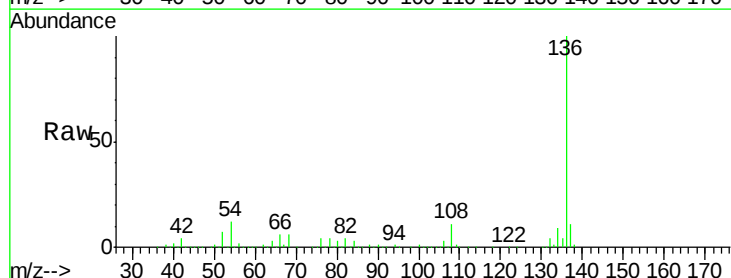
Ion Ratio Lower Upper

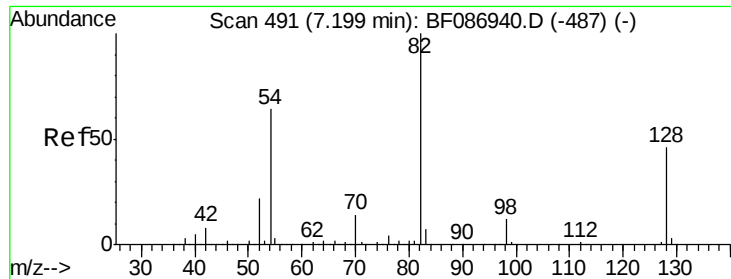
136 100

137 11.1 8.8 13.2

54 11.7 5.0 7.4#

68 6.4 4.4 6.6

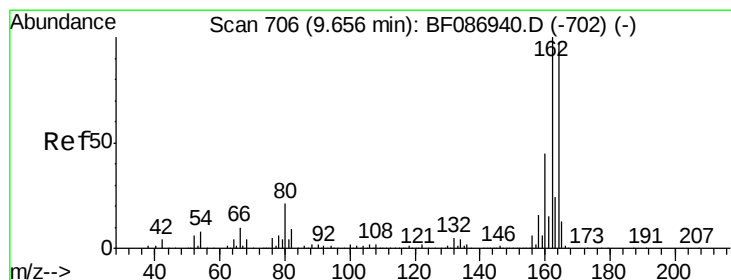
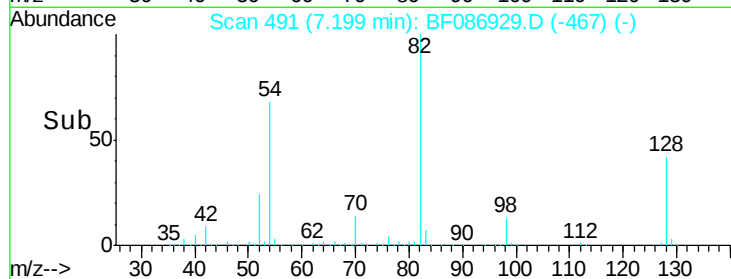
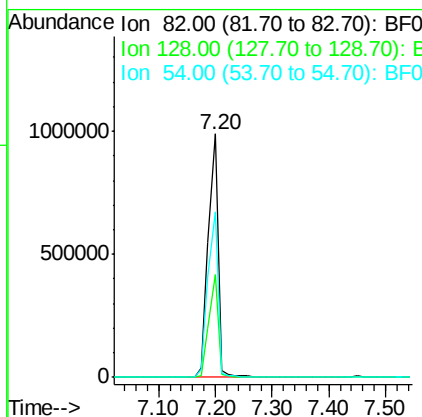
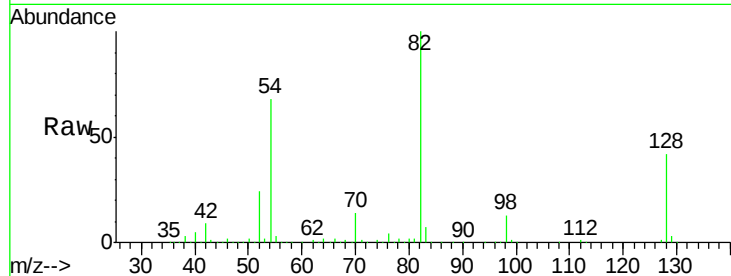




#23
 Nitrobenzene-d5
 Concen: 95.97 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.02 min
 Lab File: BF086929.D
 Acq: 12 May 2016 14:34

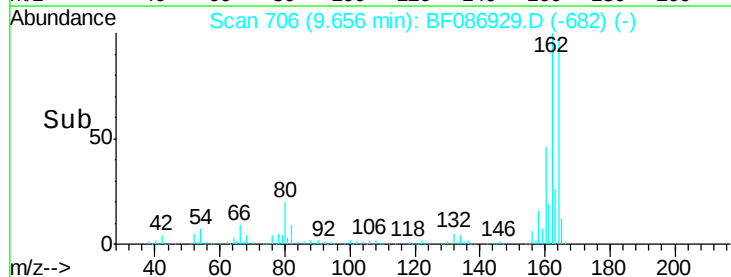
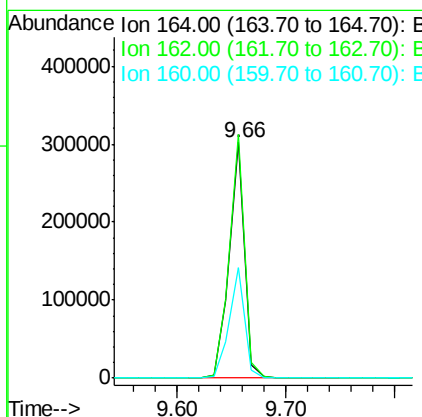
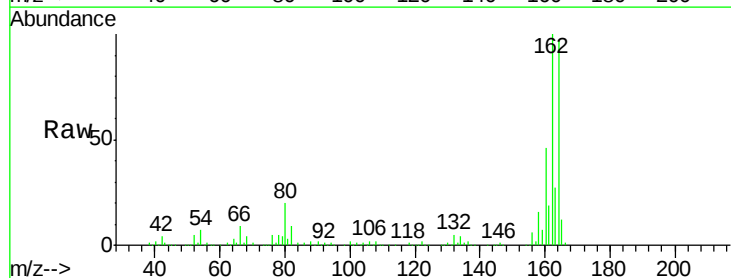
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

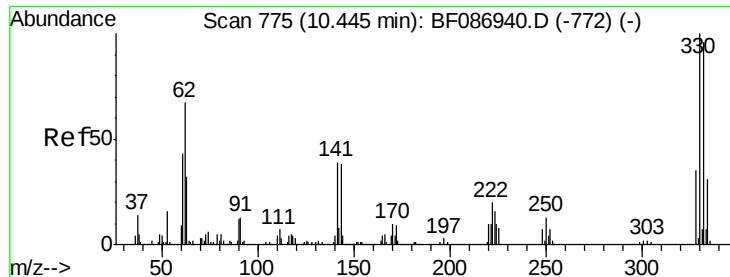
Tgt Ion: 82 Resp: 1138361
 Ion Ratio Lower Upper
 82 100
 128 42.3 40.6 61.0
 54 67.8 38.1 57.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.02 min
 Lab File: BF086929.D
 Acq: 12 May 2016 14:34

Tgt Ion: 164 Resp: 292549
 Ion Ratio Lower Upper
 164 100
 162 103.2 82.8 124.2
 160 47.0 36.9 55.3

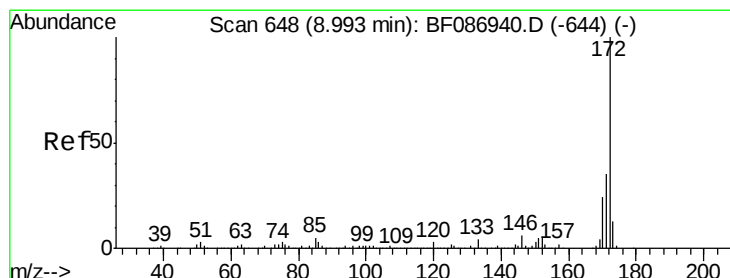
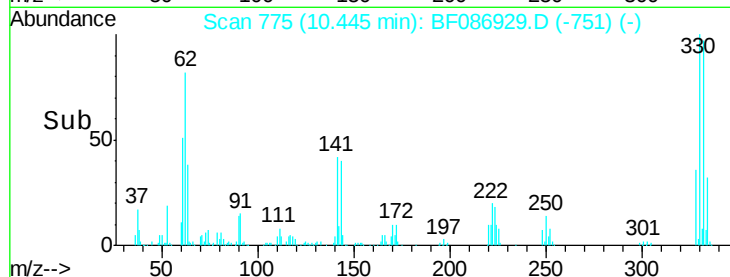
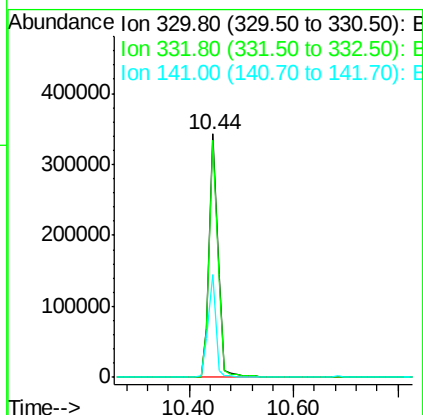
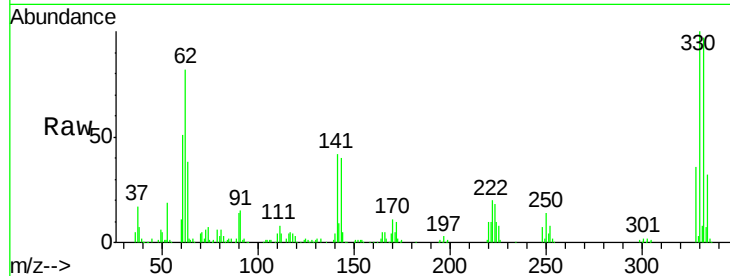




#41
 2,4,6-Tribromophenol
 Concen: 131.02 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.02 min
 Lab File: BF086929.D
 Acq: 12 May 2016 14:34

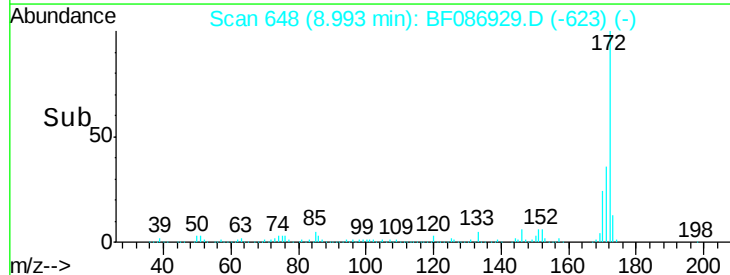
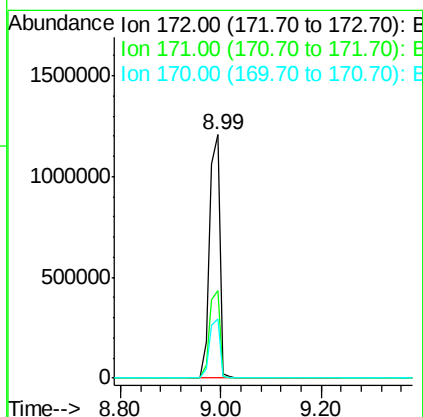
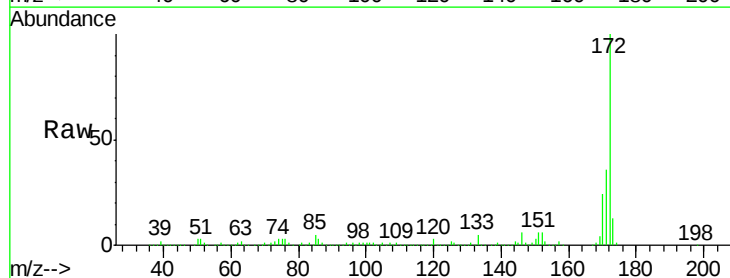
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

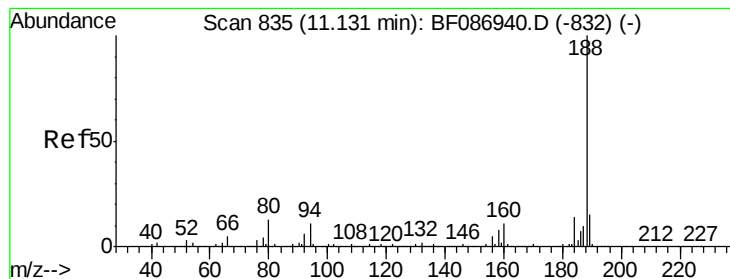
Tgt Ion:330 Resp: 405781
 Ion Ratio Lower Upper
 330 100
 332 96.9 79.0 118.4
 141 37.6 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 98.80 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF086929.D
 Acq: 12 May 2016 14:34

Tgt Ion:172 Resp: 1719869
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.6
 170 24.4 19.8 29.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.02 min

Lab File: BF086929.D

Acq: 12 May 2016 14:34

Instrument :

BNA_F

ClientSampleId :

WC-1

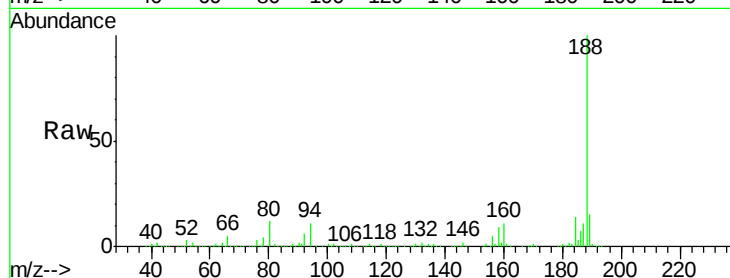
Tgt Ion:188 Resp: 551918

Ion Ratio Lower Upper

188 100

94 10.9 6.8 10.2#

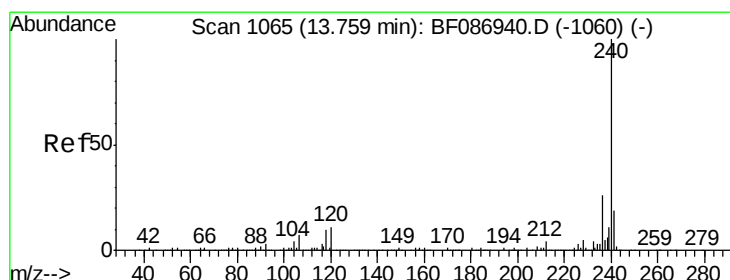
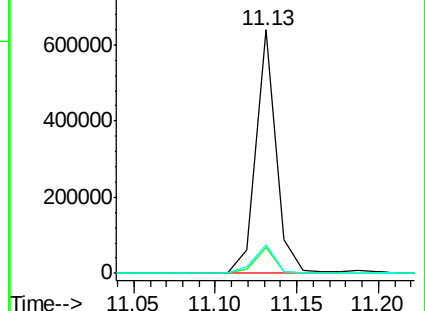
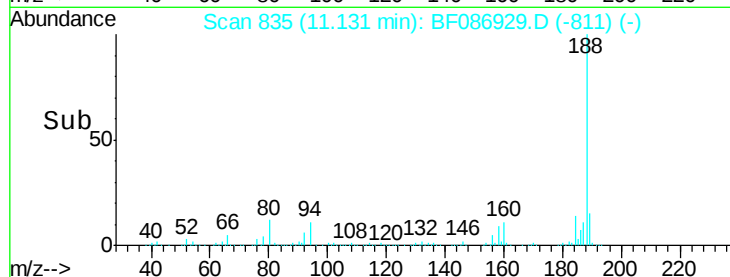
80 11.9 7.1 10.7#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.02 min

Lab File: BF086929.D

Acq: 12 May 2016 14:34

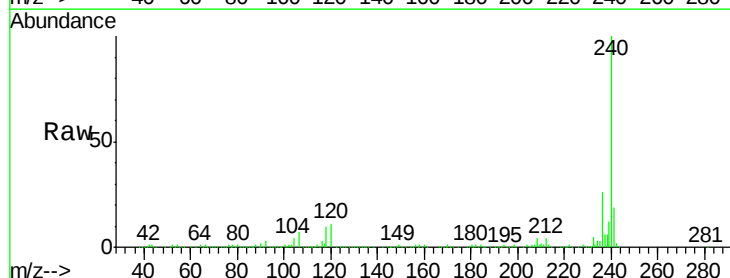
Tgt Ion:240 Resp: 461779

Ion Ratio Lower Upper

240 100

120 10.7 11.2 16.8#

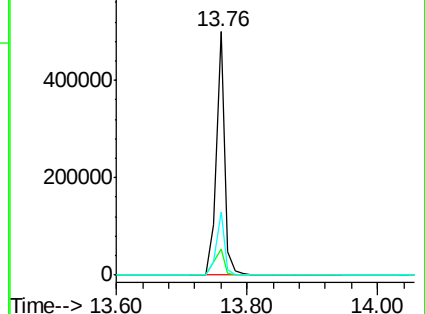
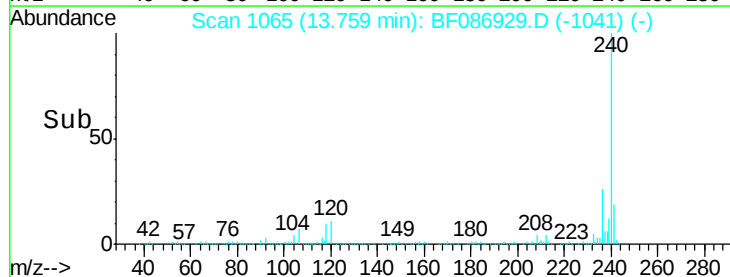
236 26.0 21.2 31.8

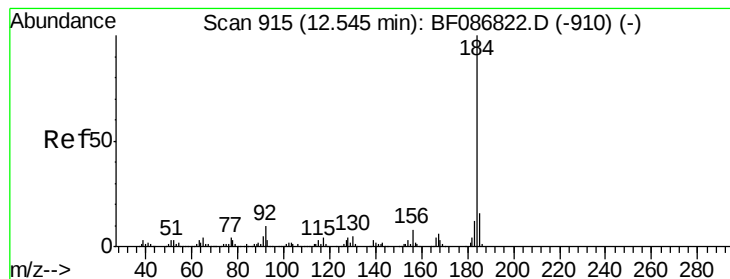


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 5.26 ng

RT: 12.48 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF086929.D

Acq: 12 May 2016 14:34

Instrument :

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ClientSampleId :

WC-1

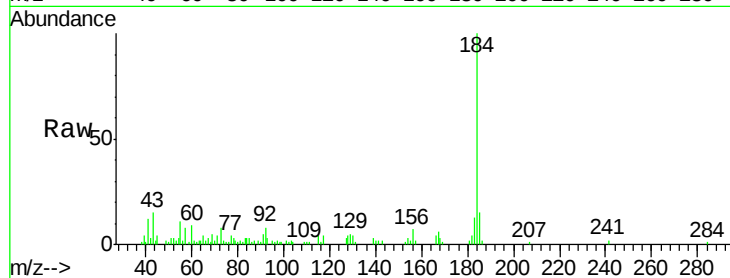
Tgt Ion:184 Resp: 61970

Ion Ratio Lower Upper

184 100

185 14.7 13.6 20.4

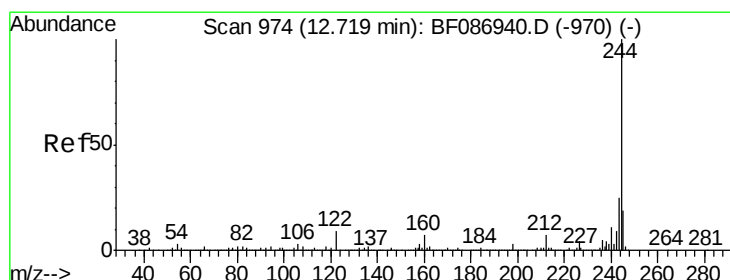
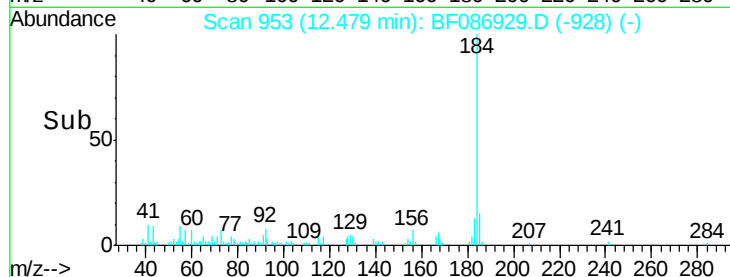
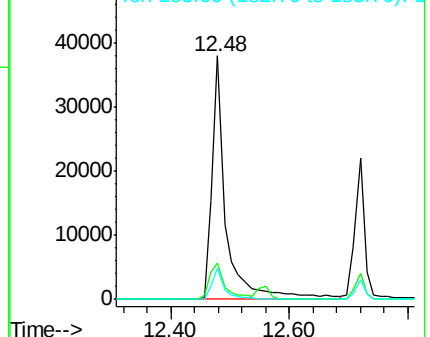
183 12.6 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 69.55 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF086929.D

Acq: 12 May 2016 14:34

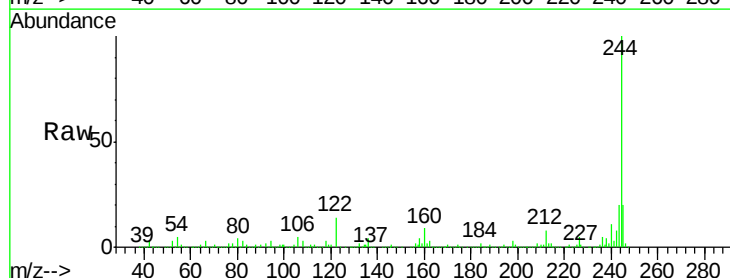
Tgt Ion:244 Resp: 1513739

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

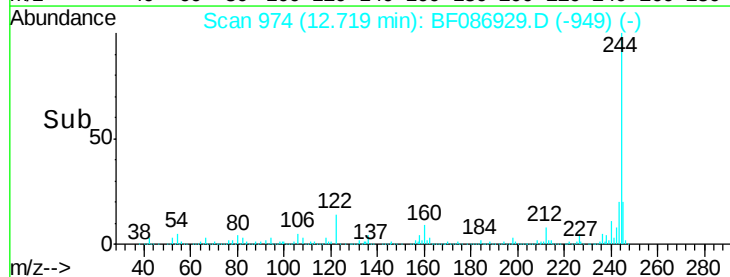
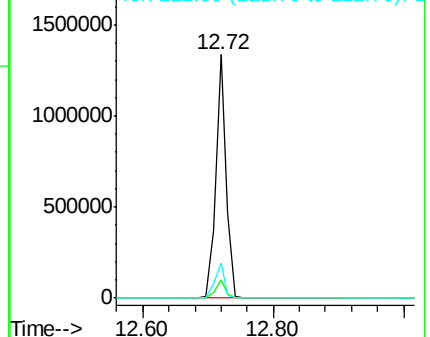
122 14.5 12.0 18.0

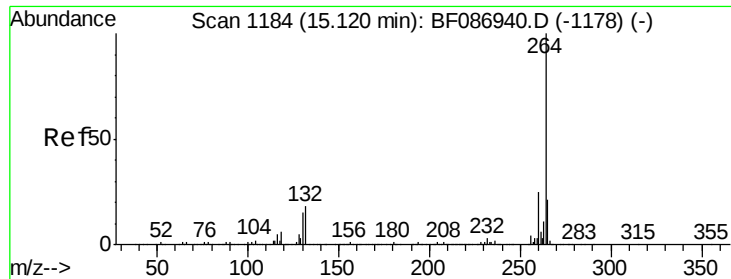


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF086929.D
Acq: 12 May 2016 14:34

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:	264	Resp:	344156
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.2	17.3	25.9

