

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 :

Quant Time: May 12 16:31:52 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

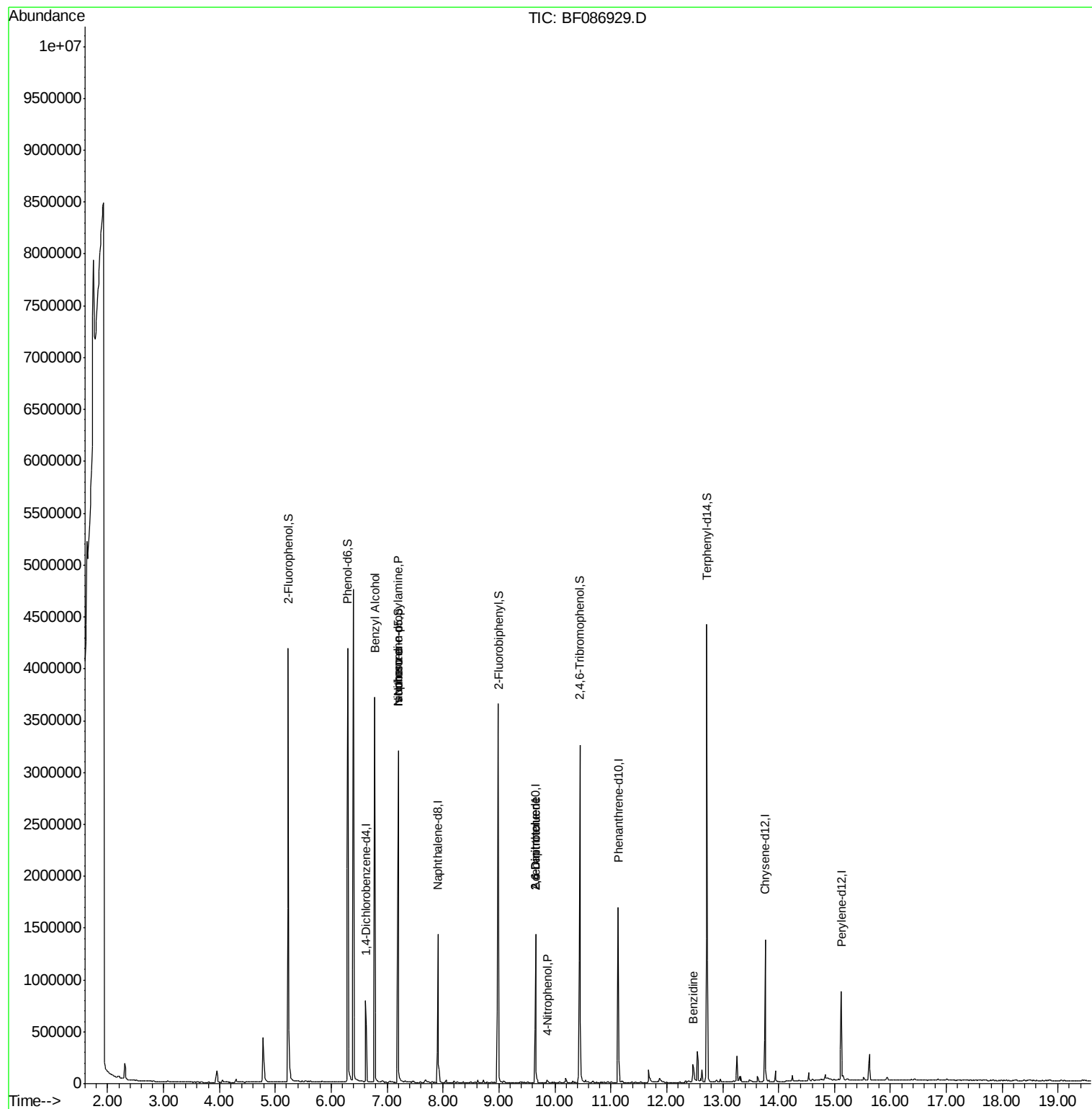
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	136556	20.00	ng	-0.02
21) Naphthalene-d8	7.91	136	595625	20.00	ng	-0.02
38) Acenaphthene-d10	9.66	164	292549	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	551918	20.00	ng	-0.02
75) Chrysene-d12	13.76	240	461779	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						Qvalue
15) Benzyl Alcohol	6.78	79	18139	2.44	ng	# 40
19) n-Nitroso-di-n-propylamine	7.20	70	163367	21.69	ng	# 76
25) Isophorone	7.20	82	1103296	50.13	ng	# 68
50) 2,6-Dinitrotoluene	9.66	165	37143	7.91	ng	# 21
55) 4-Nitrophenol	9.86	139	4945	5.97	ng	# 33
56) 2,4-Dinitrotoluene	9.66	165	37143	6.39	ng	# 16
60) 4-Chlorophenyl-phenylether	10.20	204	2415	Below Cal		# 69
76) Benzidine	12.48	184	61970	5.26	ng	96

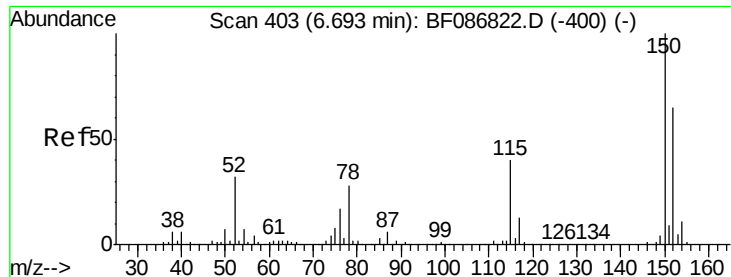
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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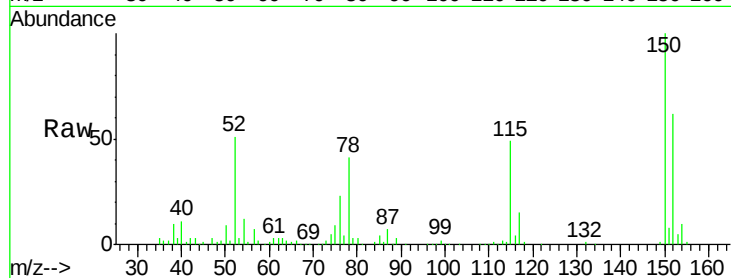


#1

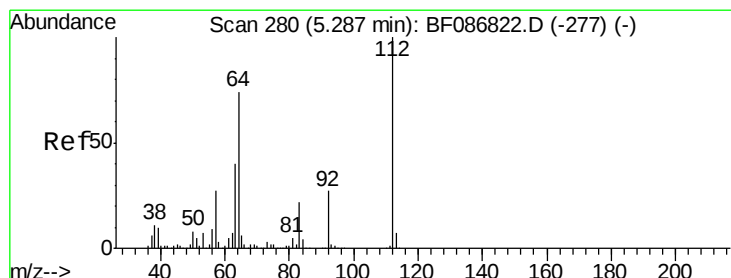
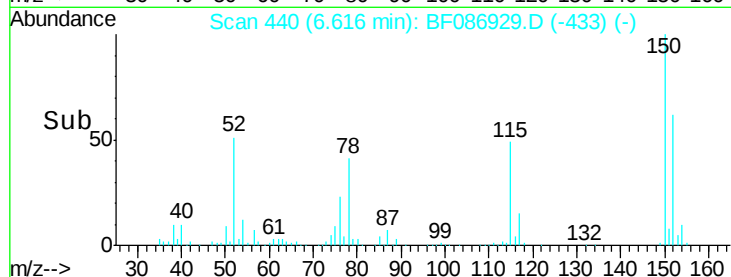
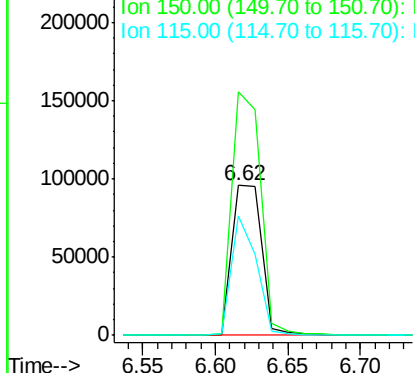
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.02 min
Lab File: BF086929.D
Acq: 12 May 2016 14:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136556
Ion Ratio Lower Upper
152 100
150 162.5 125.8 188.6
115 79.7 51.5 77.3#



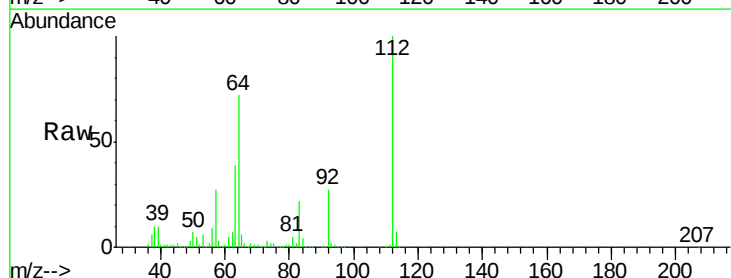
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



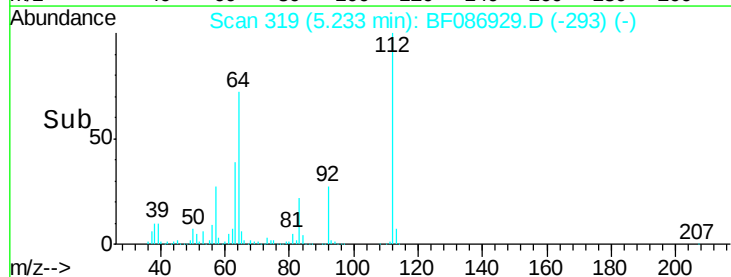
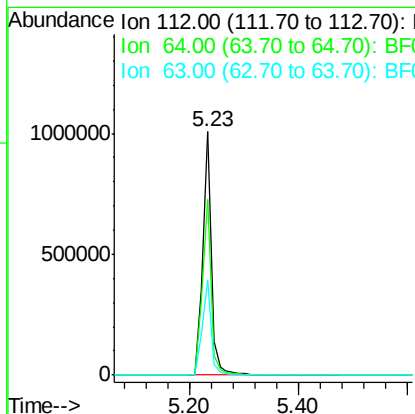
#5

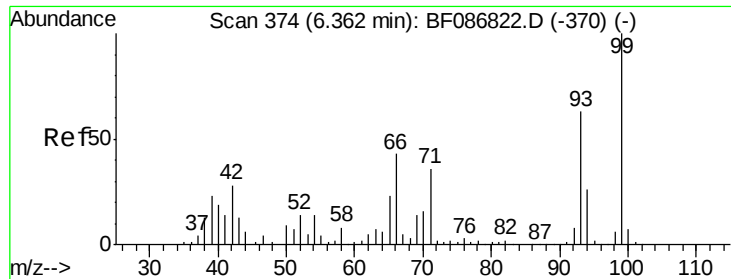
2-Fluorophenol
Concen: 136.18 ng
RT: 5.23 min Scan# 319
Delta R.T. 0.00 min
Lab File: BF086929.D
Acq: 12 May 2016 14:34

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 :

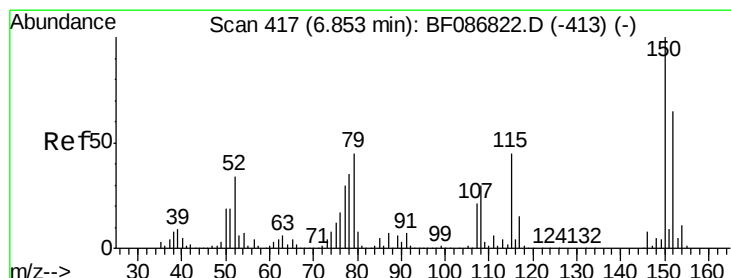
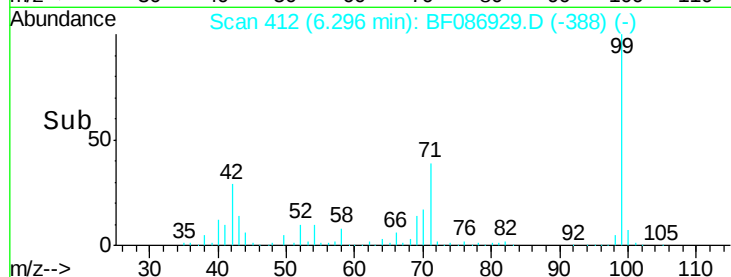
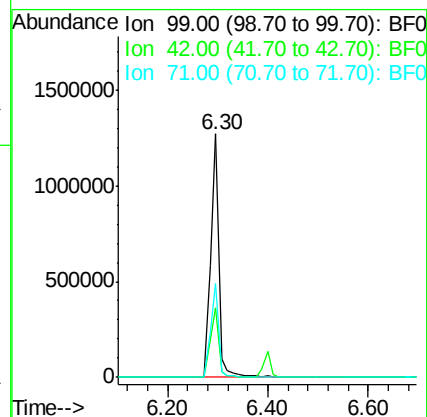
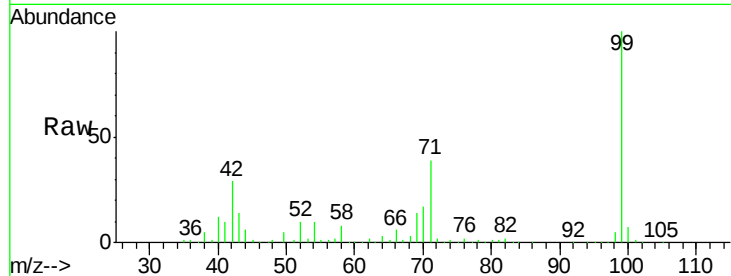
Tot Ion: 99 Resp: 1431923

Ion Ratio Lower Upper

99 100

42 28.6 13.6 20.4#

71 38.7 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.44 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.02 min

Lab File: BF086929.D

Acq: 12 May 2016 14:34

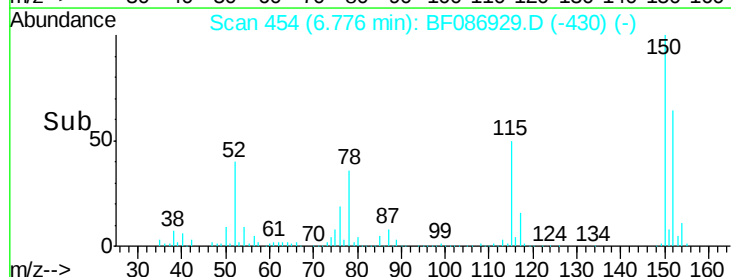
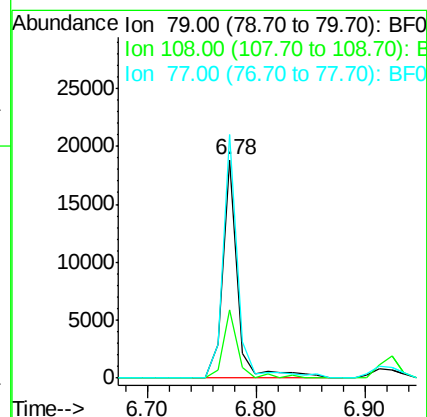
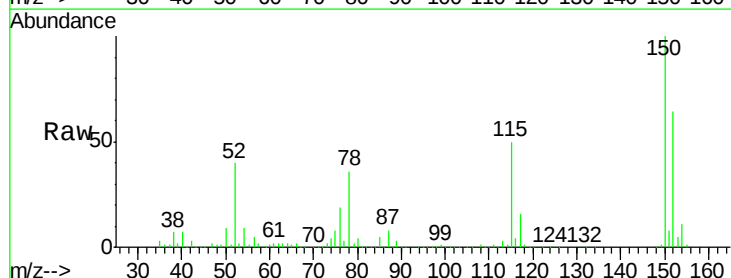
Tgt Ion: 79 Resp: 18139

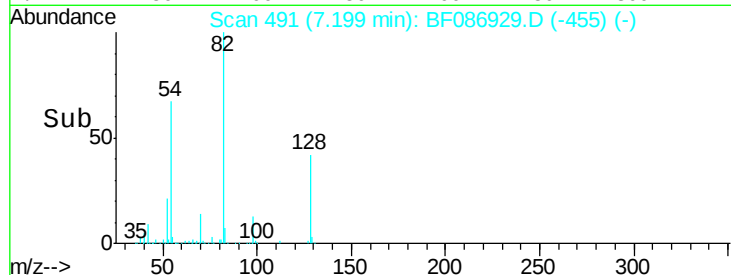
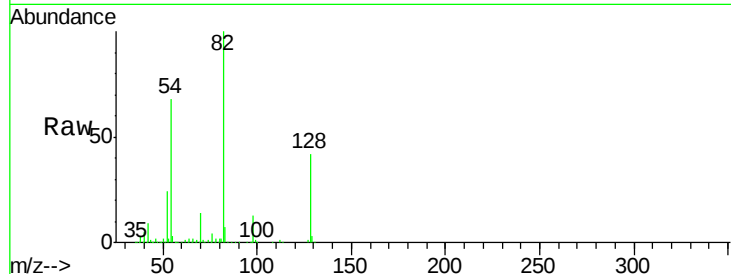
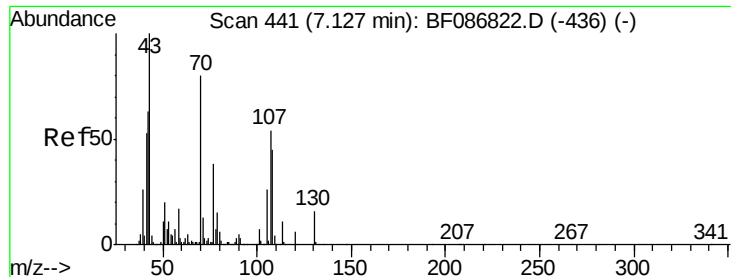
Ion Ratio Lower Upper

79 100

108 31.0 68.4 102.6#

77 111.4 50.6 76.0#

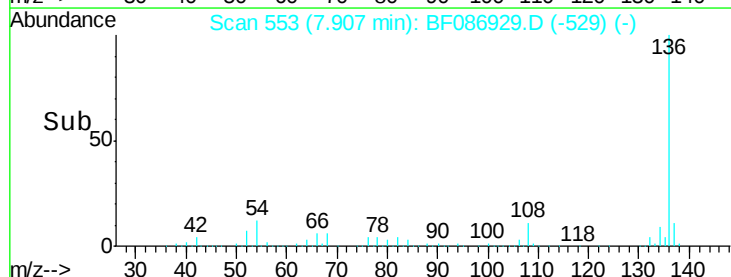
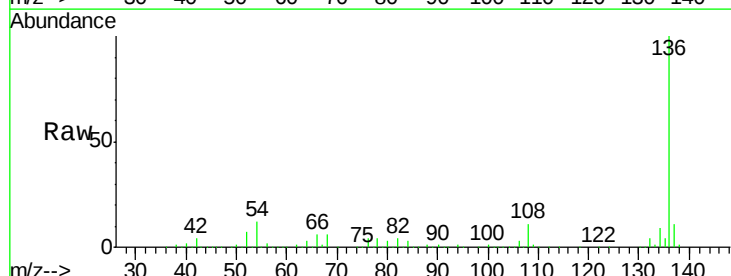
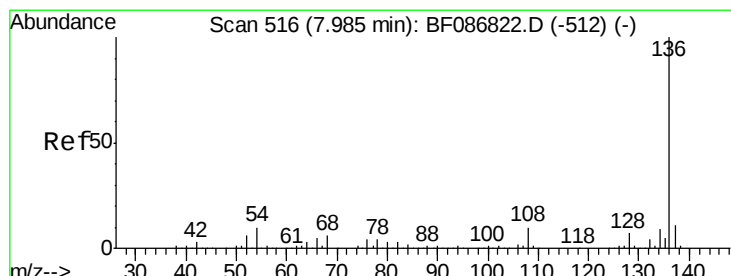
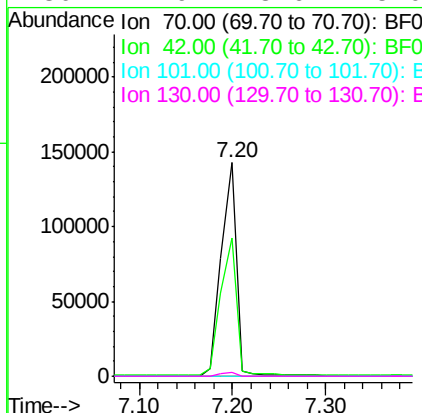




#19
n-Nitroso-di-n-propylamine
Concen: 21.69 ng
RT: 7.20 min Scan# 491
Delta R.T. 0.11 min
Lab File: BF086929.D
Acq: 12 May 2016 14:34

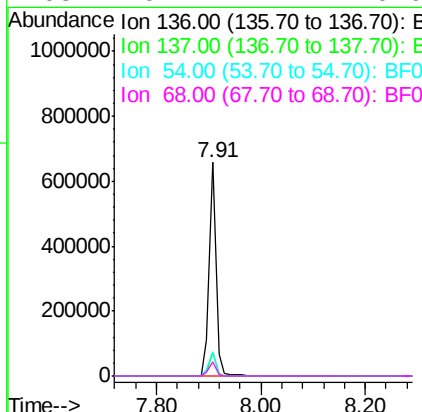
Instrument :
BNA_F
ClientSampleId :

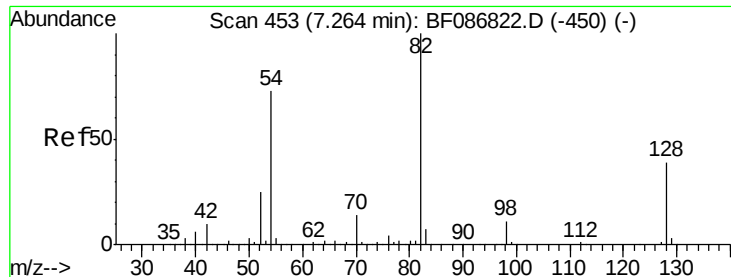
Tot Ion: 70 Resp: 163367
Ion Ratio Lower Upper
70 100
42 64.6 43.1 64.7
101 0.0 8.1 12.1#
130 1.9 18.6 28.0#



#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

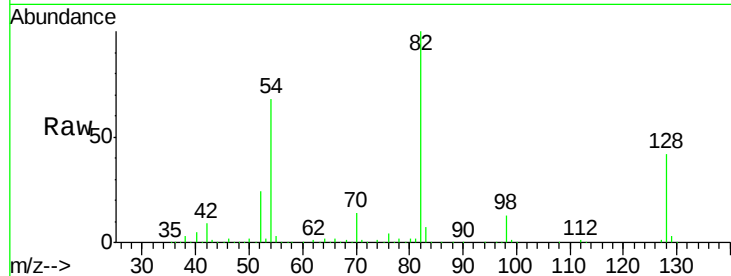




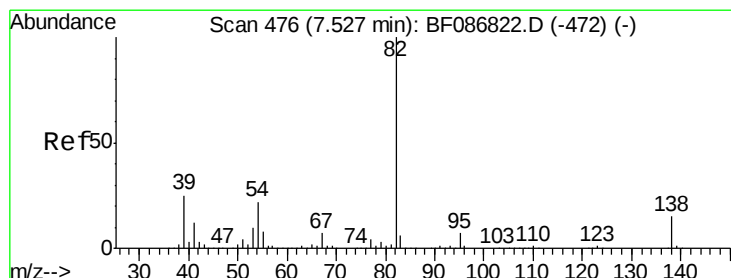
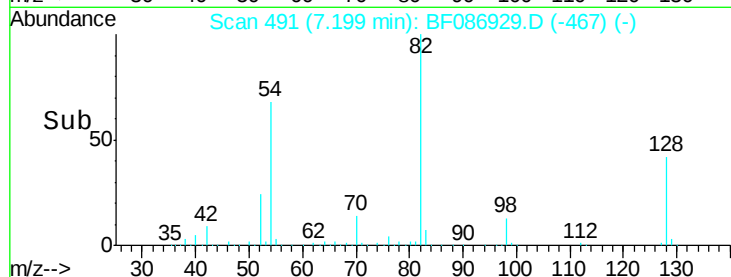
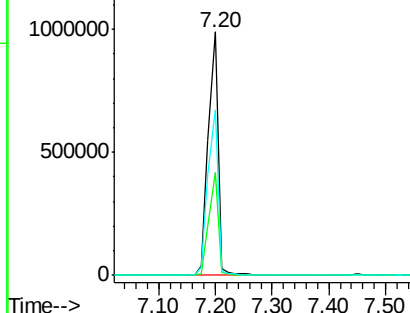
#23
 Nitrobenzene-d5
 Concen: 95.97 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.02 min
 Lab File: BF086929.D
 Acq: 12 May 2016 14:34

Instrument :
 BNA_F
 ClientSampled :

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

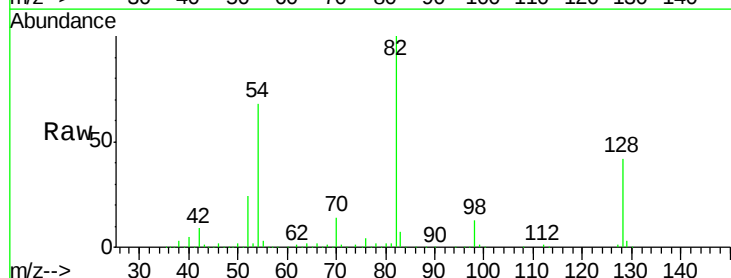


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

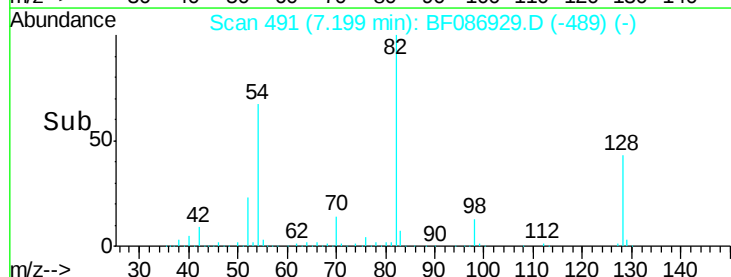
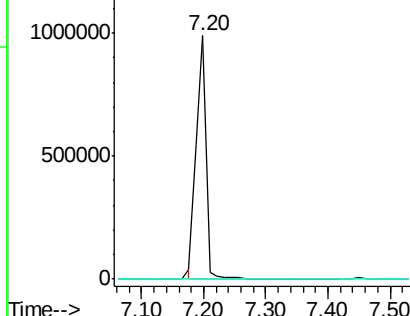


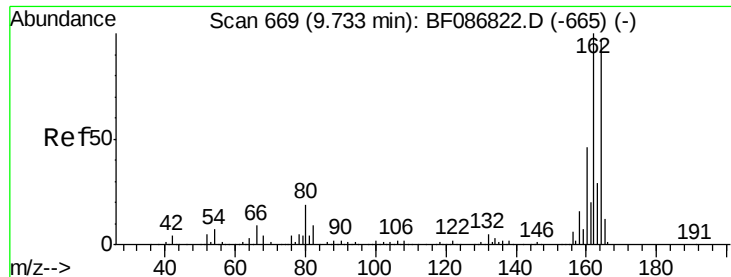
#25
 Isophorone
 Concen: 50.13 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.27 min
 Lab File: BF086929.D
 Acq: 12 May 2016 14:34

Tgt Ion: 82 Resp: 1103296
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.1 7.7#
 138 0.0 12.4 18.6#



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): BF0





#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

Instrument :

BNA_F

ClientSampleId :

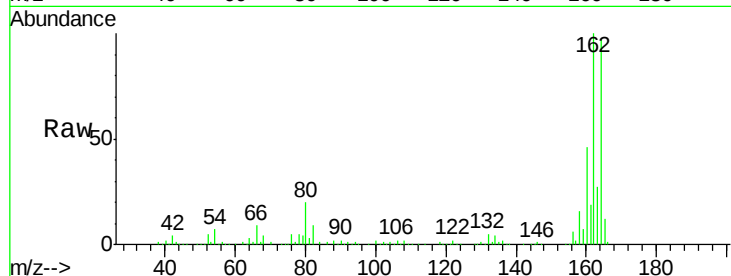
Tot Ion:164 Resp: 292549

Ion Ratio Lower Upper

164 100

162 103.2 82.8 124.2

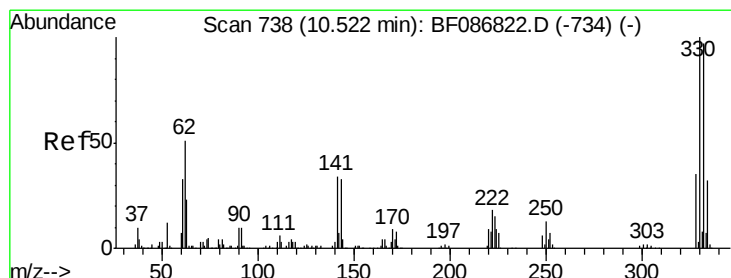
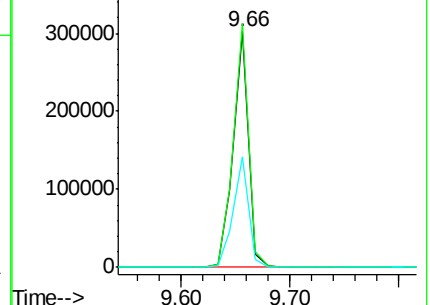
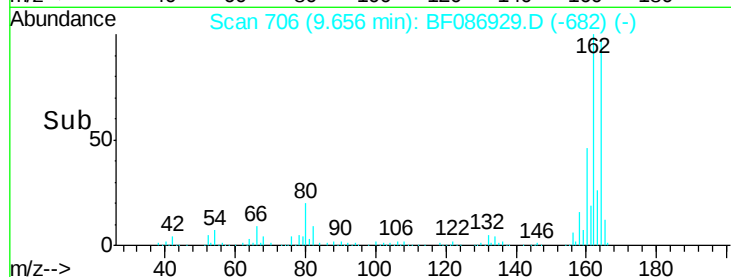
160 47.0 36.9 55.3



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: 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

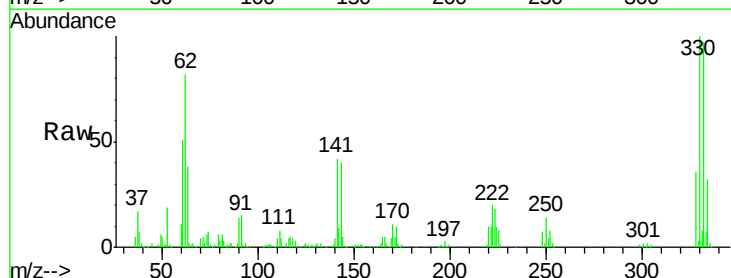
Tgt Ion:330 Resp: 405781

Ion Ratio Lower Upper

330 100

332 96.9 79.0 118.4

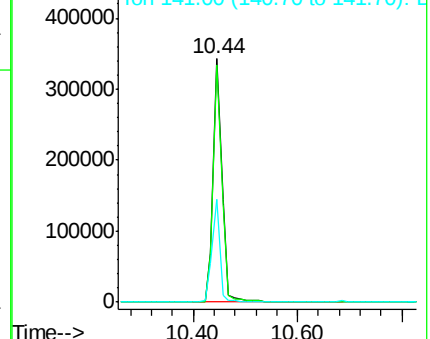
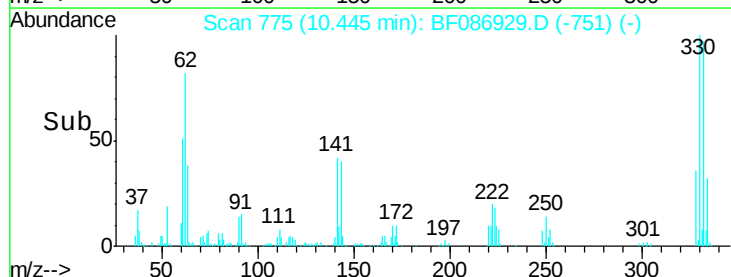
141 37.6 31.2 46.8

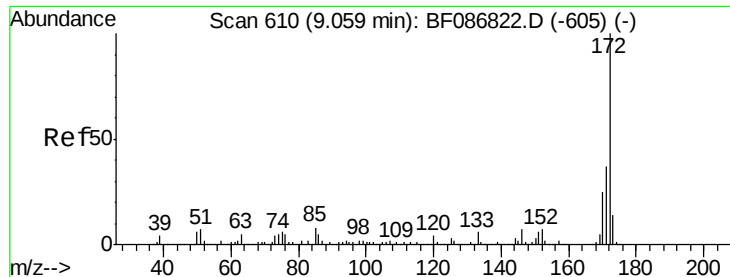


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 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

Instrument :

BNA_F

ClientSampleId :

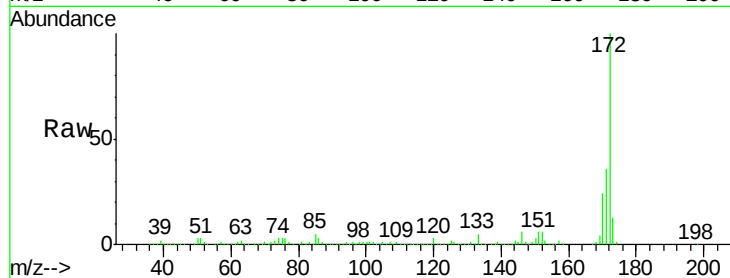
Tot Ion:172 Resp: 1719869

Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.6

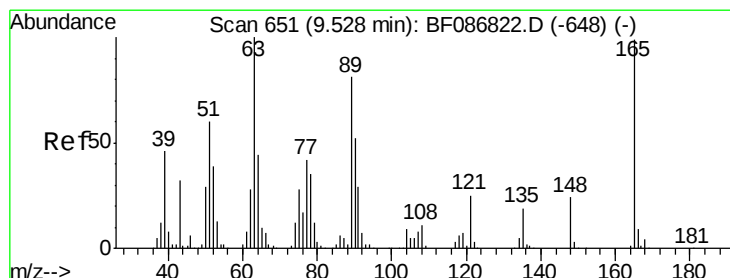
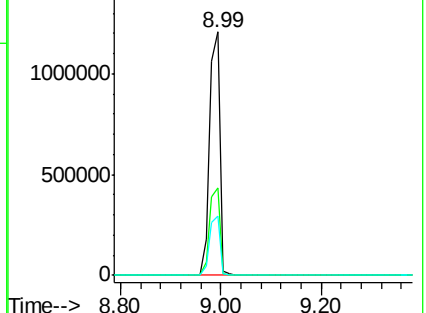
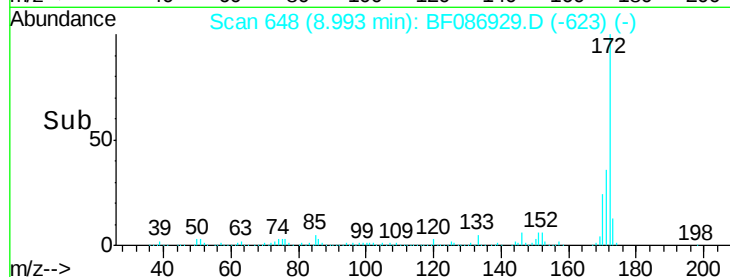
170 24.4 19.8 29.8



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



#50

2,6-Dinitrotoluene

Concen: 7.91 ng

RT: 9.66 min Scan# 706

Delta R.T. 0.17 min

Lab File: BF086929.D

Acq: 12 May 2016 14:34

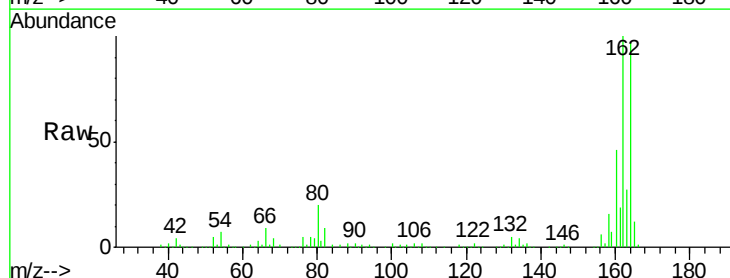
Tgt Ion:165 Resp: 37143

Ion Ratio Lower Upper

165 100

63 1.7 51.8 77.8#

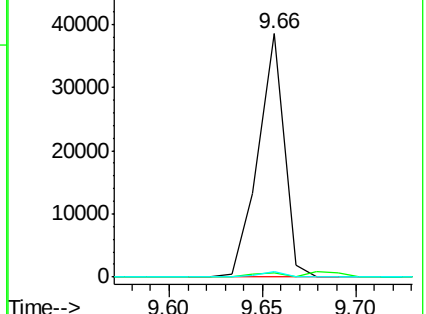
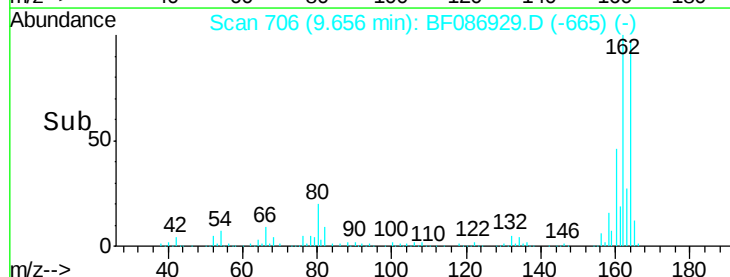
89 2.2 50.7 76.1#

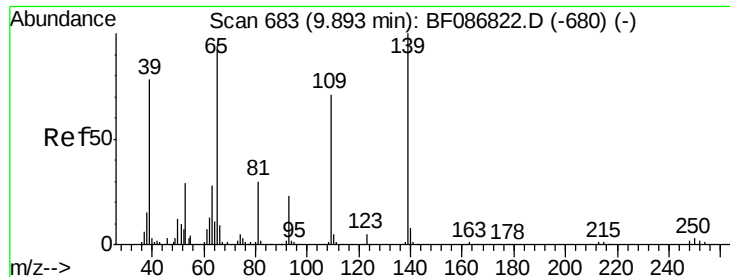


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#55

4-Nitrophenol

Concen: 5.97 ng

RT: 9.86 min Scan# 724

Delta R.T. 0.02 min

Lab File: BF086929.D

Acq: 12 May 2016 14:34

Instrument :

BNA_F

ClientSampled :

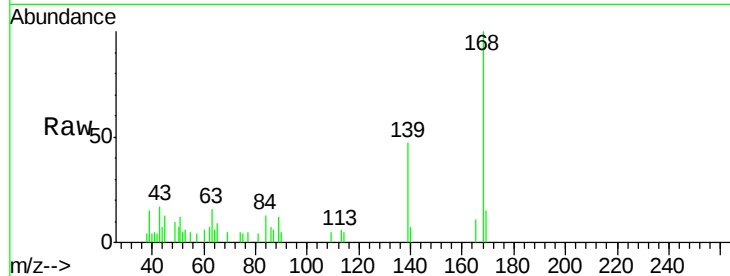
Tot Ion:139 Resp: 4945

Ion Ratio Lower Upper

139 100

109 11.2 36.9 76.9#

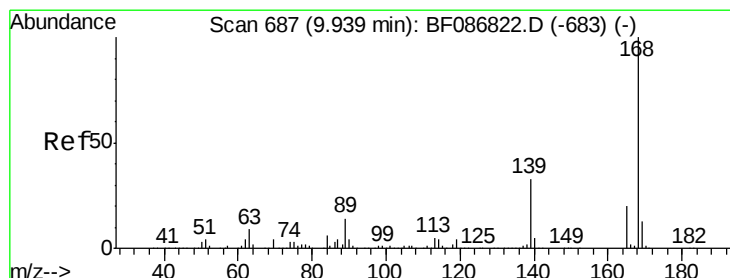
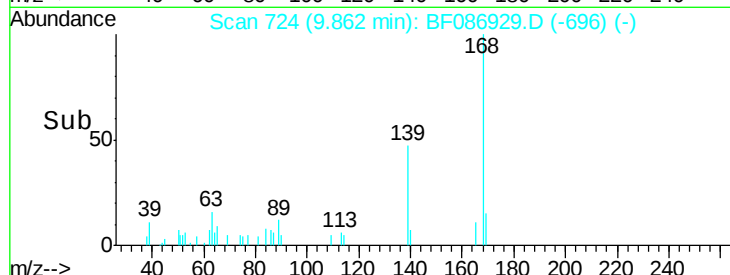
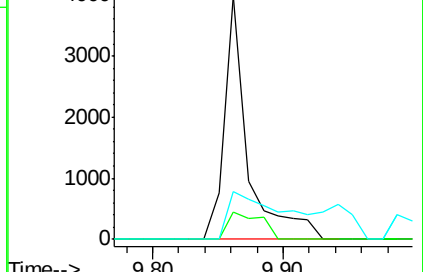
65 19.6 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.39 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.23 min

Lab File: BF086929.D

Acq: 12 May 2016 14:34

Tgt Ion:165 Resp: 37143

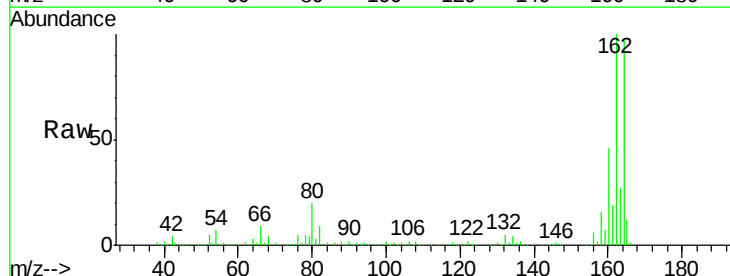
Ion Ratio Lower Upper

165 100

63 1.7 44.3 66.5#

89 2.2 70.0 105.0#

182 0.0 1.8 2.6#

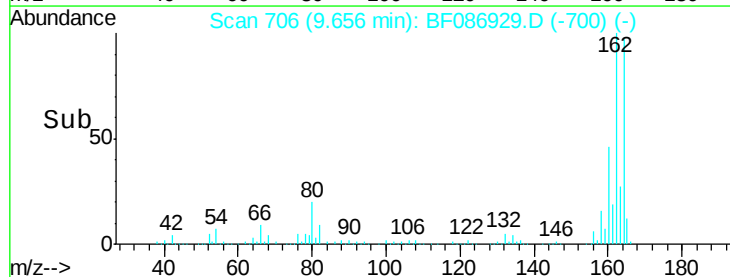
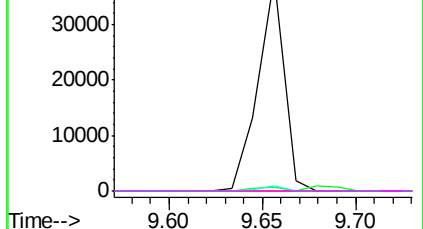


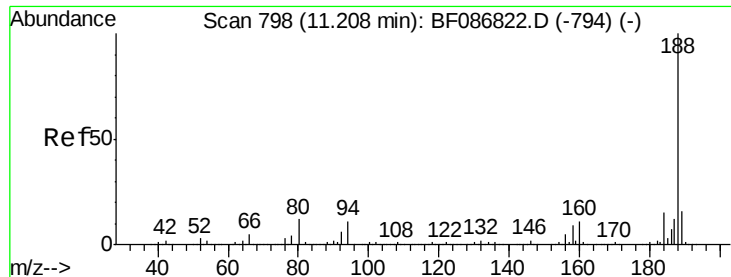
Abundance Ion 165.00 (164.70 to 165.70): E

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

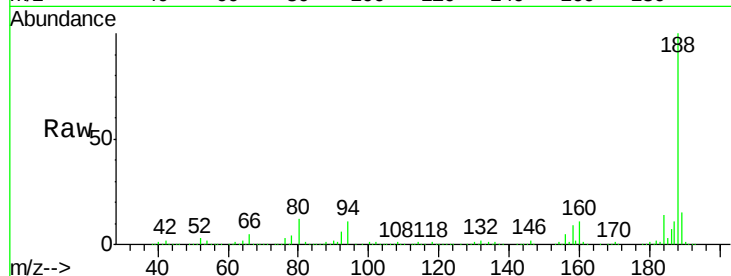




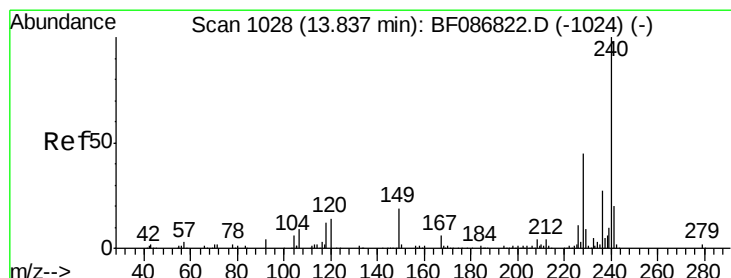
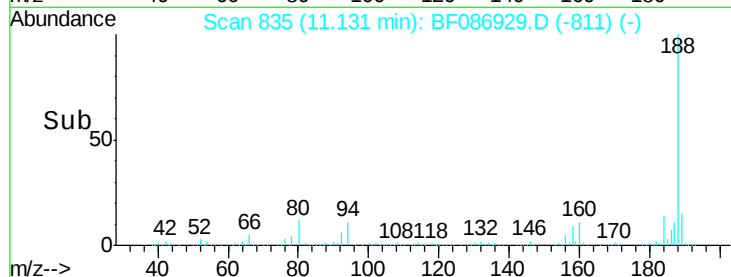
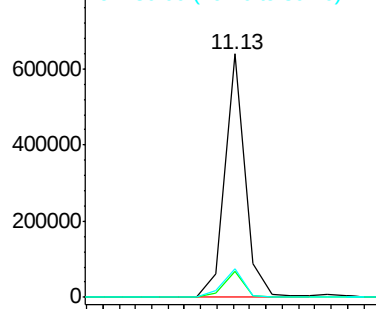
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.02 min
Lab File: BF086929.D
Acq: 12 May 2016 14:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 551918
Ion Ratio Lower Upper
188 100
94 10.9 6.8 10.2#
80 11.9 7.1 10.7#

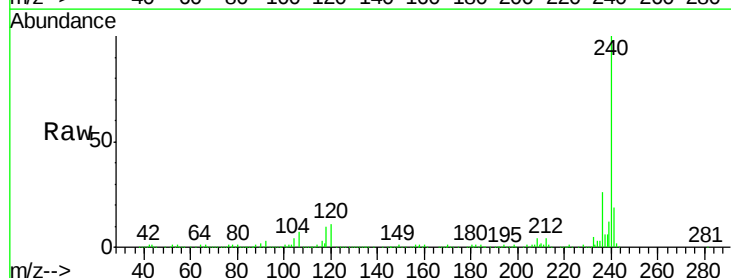


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

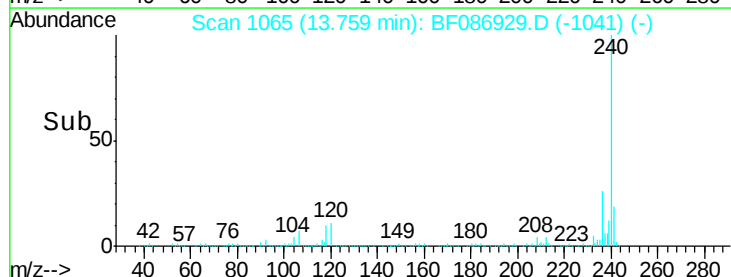
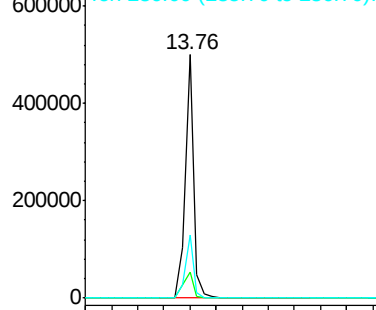


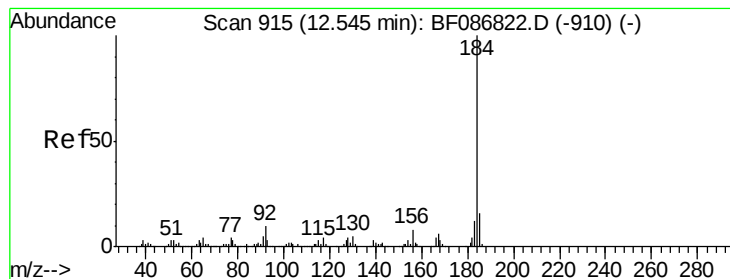
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BF086929.D
Acq: 12 May 2016 14:34

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 :

BNA_F

ClientSampled :

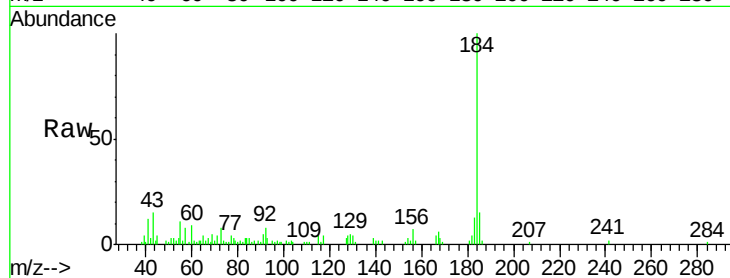
Tot Ion:184 Resp: 61970

Ion Ratio Lower Upper

184 100

185 14.7 13.6 20.4

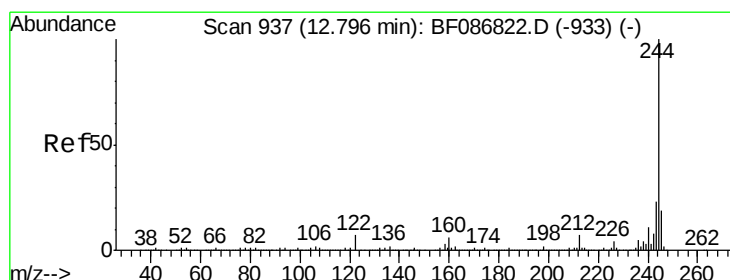
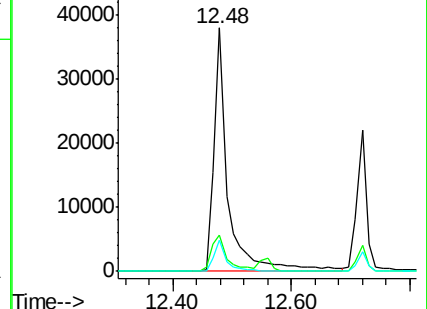
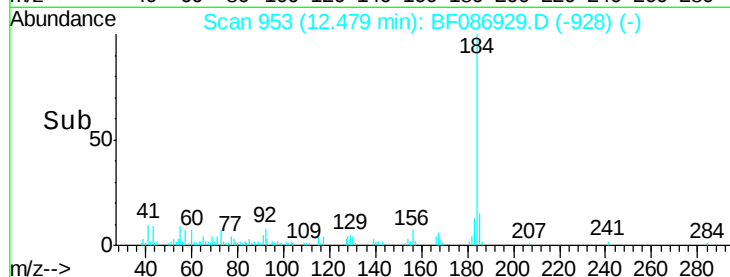
183 12.6 9.8 14.6



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

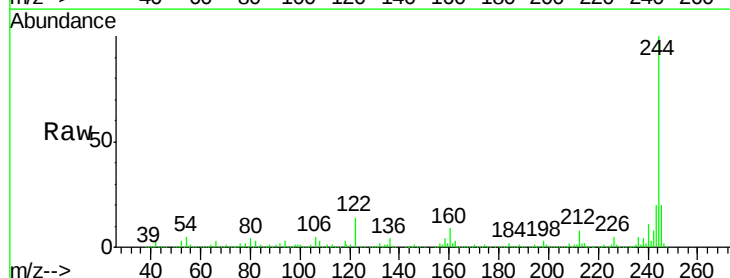
Tgt Ion:244 Resp: 1513739

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

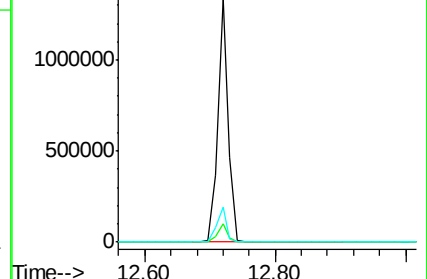
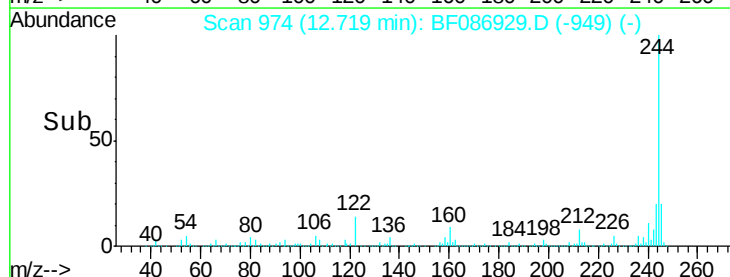
122 14.5 12.0 18.0

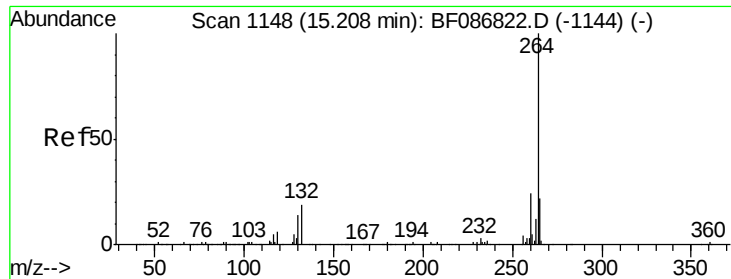


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

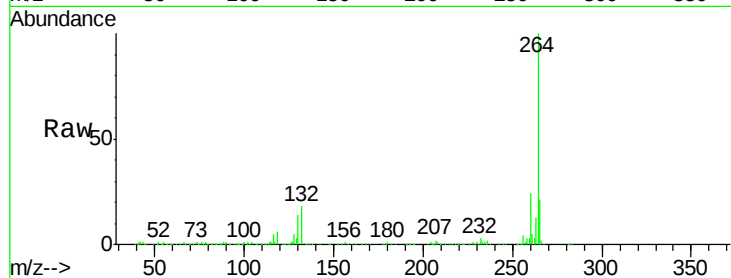




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF086929.D
Acq: 12 May 2016 14:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.2	17.3	25.9



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

