

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051916\
 Data File : BF087220.D
 Acq On : 20 May 2016 9:03
 Operator : UM/SJ
 Sample : PB90743BL
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 14:38:19 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

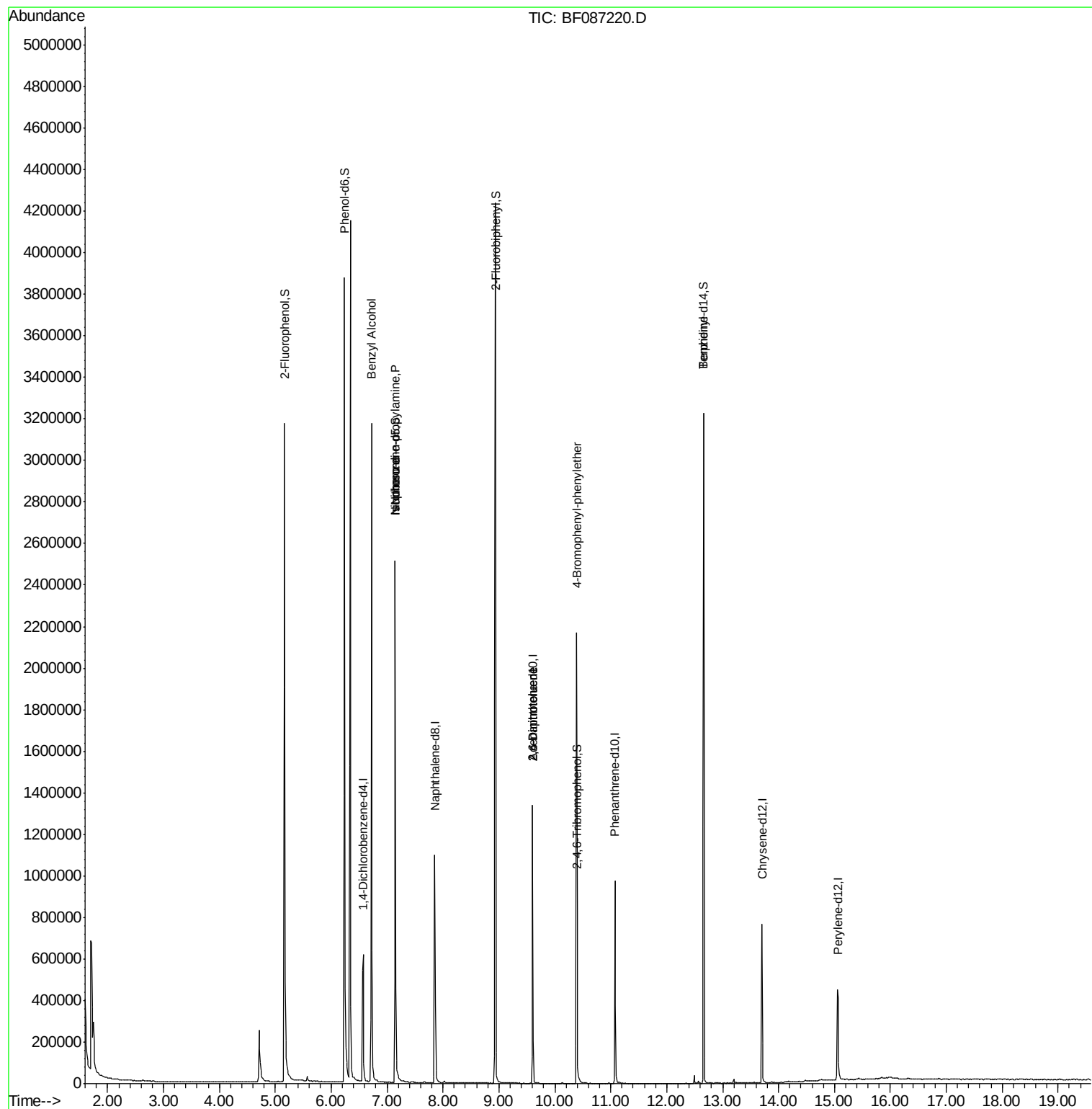
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	125631	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	510590	20.00	ng	-0.05
38) Acenaphthene-d10	9.60	164	239884	20.00	ng	-0.05
63) Phenanthrene-d10	11.07	188	381855	20.00	ng	-0.05
75) Chrysene-d12	13.70	240	265809	20.00	ng	-0.06
86) Perylene-d12	15.06	264	239171	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	1027125	137.42	ng	-0.03
7) Phenol-d6	6.24	99	1224195	122.12	ng	-0.05
23) Nitrobenzene-d5	7.14	82	798904	77.98	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	264421	99.75	ng	-0.05
44) 2-Fluorobiphenyl	8.94	172	1366037	94.31	ng	-0.05
78) Terphenyl-d14	12.66	244	998407	84.97	ng	-0.05
Target Compounds						
15) Benzyl Alcohol	6.72	79	15028	2.01	ng	# 45
19) n-Nitroso-di-n-propylamine	7.14	70	114330	15.00	ng	# 73
25) Isophorone	7.14	82	690238	36.80	ng	# 68
50) 2,6-Dinitrotoluene	9.60	165	29835	7.51	ng	# 20
56) 2,4-Dinitrotoluene	9.60	165	29835	5.86	ng	# 16
66) 4-Bromophenyl-phenylether	10.39	248	15171	3.86	ng	# 1
76) Benizidine	12.66	184	16326	2.59	ng	# 95

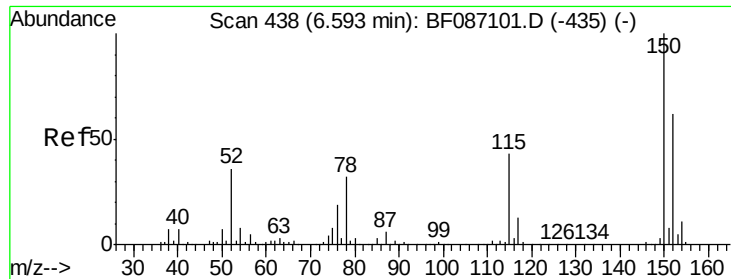
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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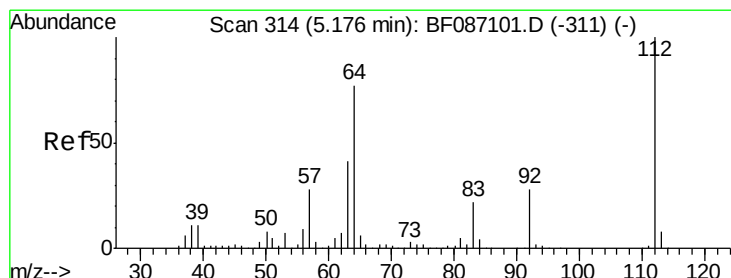
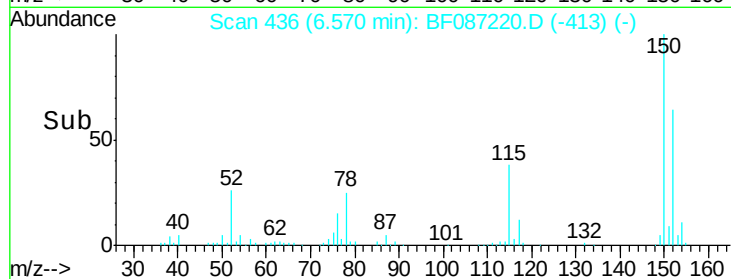
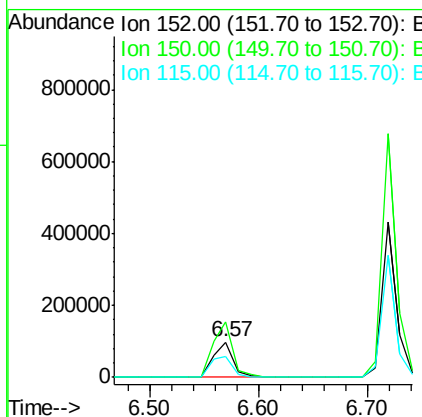
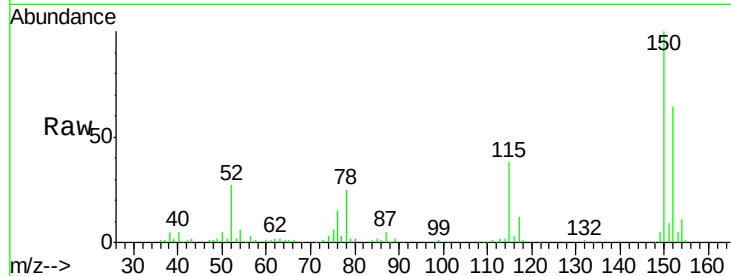


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 436
Delta R.T. -0.03 min
Lab File: BF087220.D
Acq: 20 May 2016 9:03

Instrument :
BNA_F
ClientSampled :

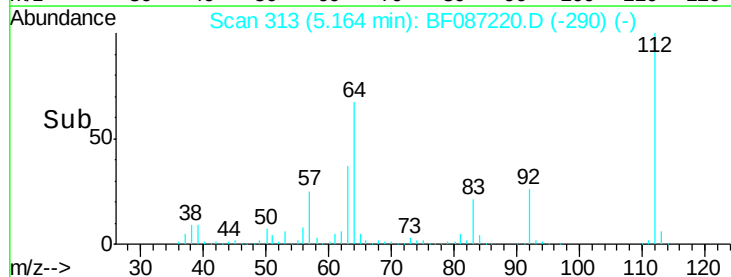
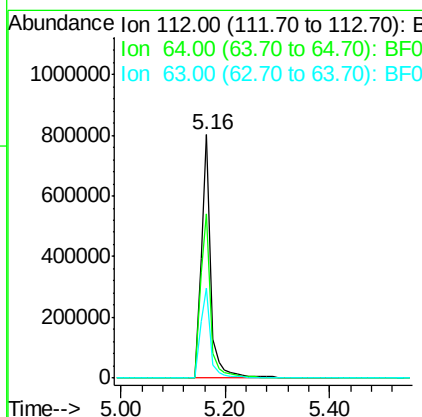
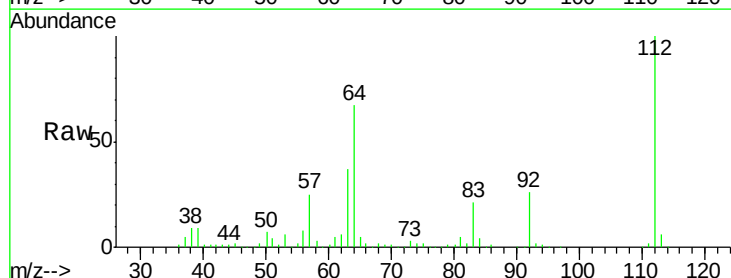
Tot Ion:152 Resp: 125631
Ion Ratio Lower Upper
152 100
150 156.6 125.8 188.6
115 59.1 51.5 77.3

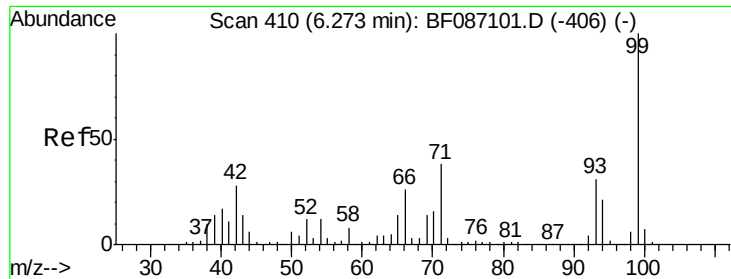


#5

2-Fluorophenol
Concen: 137.42 ng
RT: 5.16 min Scan# 313
Delta R.T. -0.03 min
Lab File: BF087220.D
Acq: 20 May 2016 9:03

Tgt Ion:112 Resp: 1027125
Ion Ratio Lower Upper
112 100
64 67.3 52.1 78.1
63 36.9 25.7 38.5





#7

Phenol-d6

Concen: 122.12 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087220.D

Acq: 20 May 2016 9:03

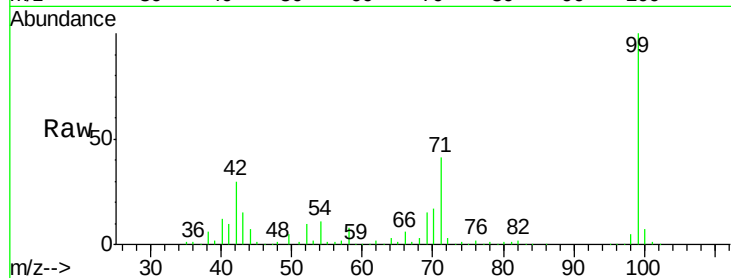
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1224195

Ion	Ratio	Lower	Upper
99	100		
42	30.3	13.6	20.4#
71	40.7	24.6	36.8#

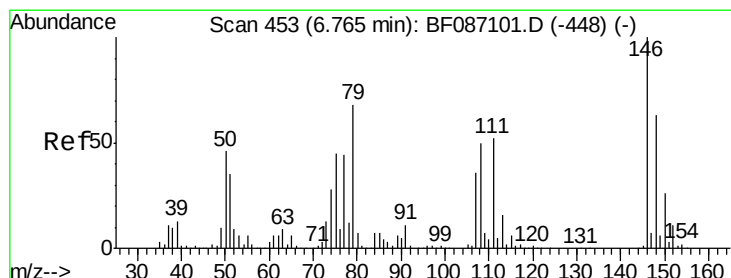
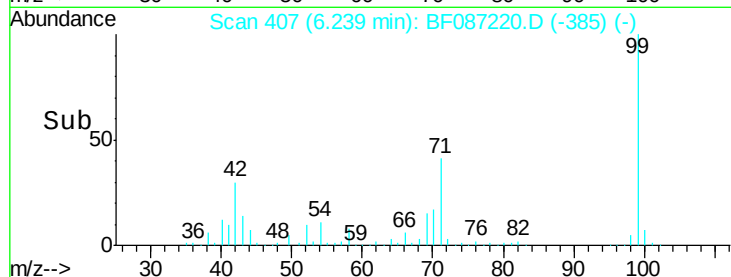
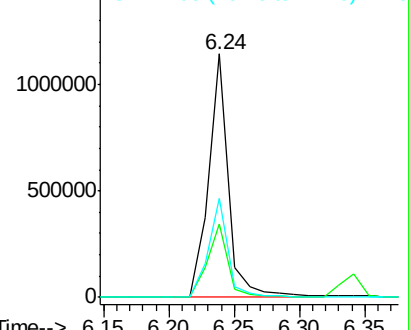


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 6.72 min Scan# 449

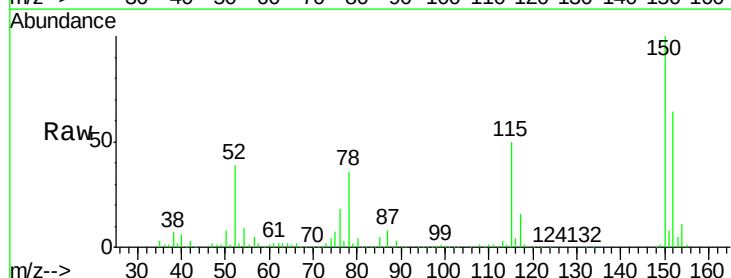
Delta R.T. -0.06 min

Lab File: BF087220.D

Acq: 20 May 2016 9:03

Tgt Ion: 79 Resp: 15028

Ion	Ratio	Lower	Upper
79	100		
108	30.4	68.4	102.6#
77	101.2	50.6	76.0#

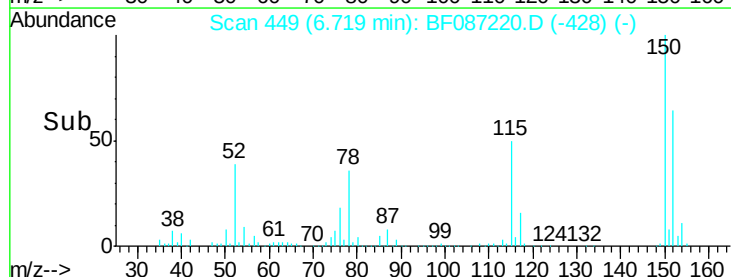
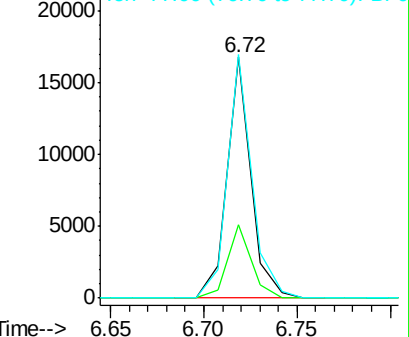


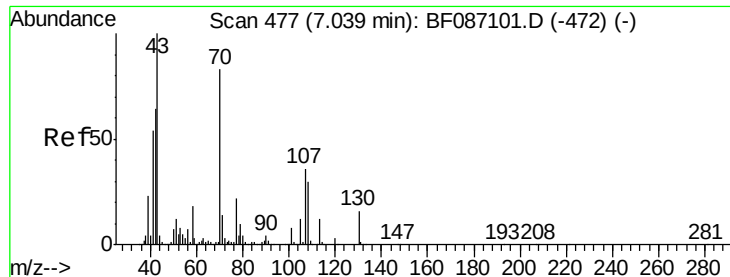
Abundance

Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

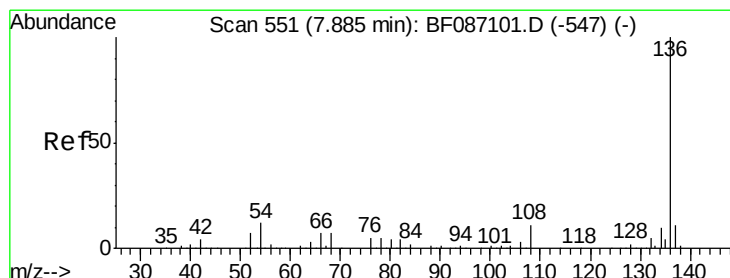
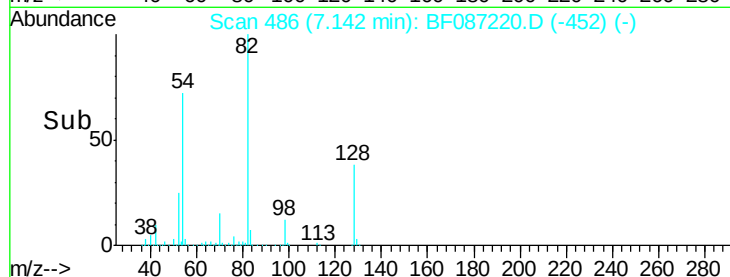
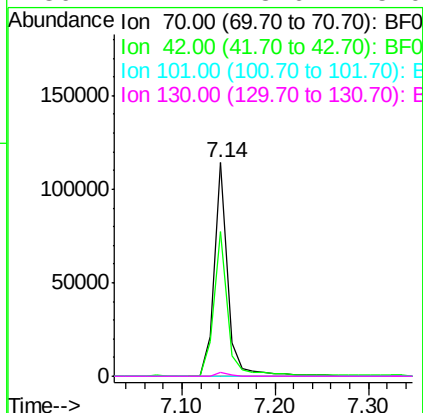
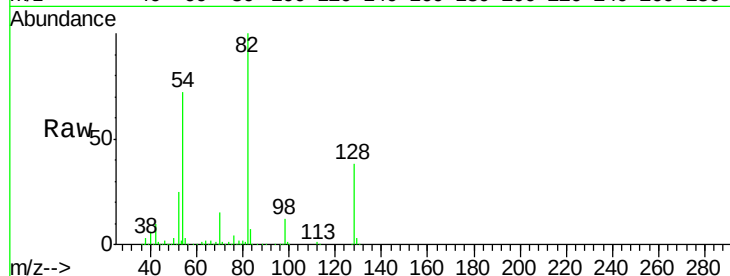




#19
n-Nitroso-di-n-propylamine
Concen: 15.00 ng
RT: 7.14 min Scan# 486
Delta R.T. 0.09 min
Lab File: BF087220.D
Acq: 20 May 2016 9:03

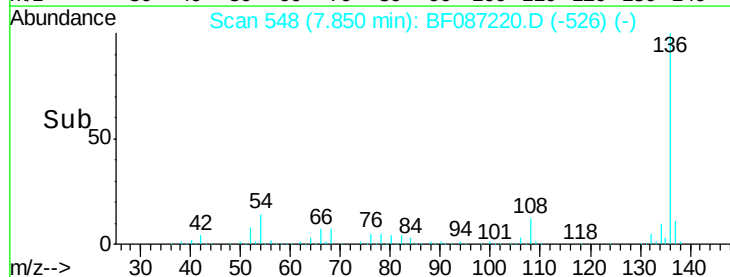
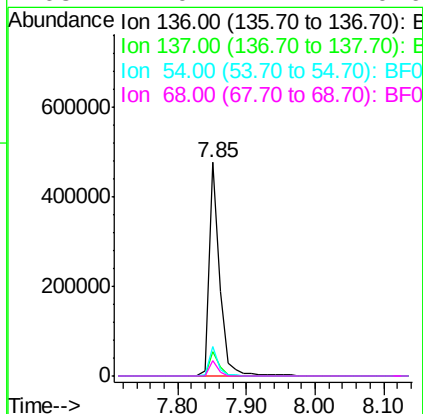
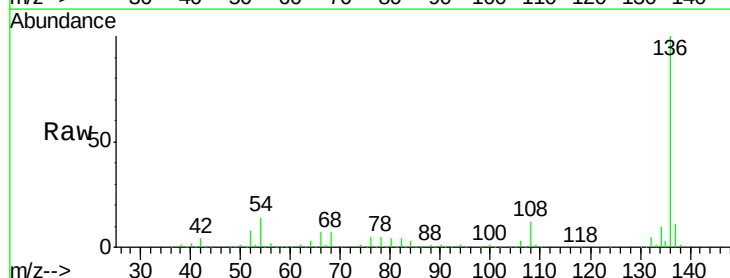
Instrument :
BNA_F
ClientSampleId :

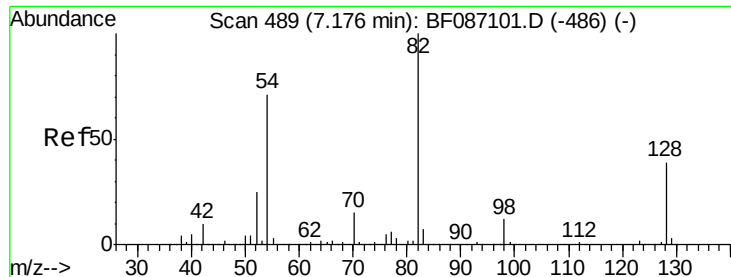
Tot Ion: 70 Resp: 114330
Ion Ratio Lower Upper
70 100
42 67.5 43.1 64.7#
101 0.0 8.1 12.1#
130 1.7 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF087220.D
Acq: 20 May 2016 9:03

Tgt Ion: 136 Resp: 510590
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 13.7 5.0 7.4#
68 7.0 4.4 6.6#

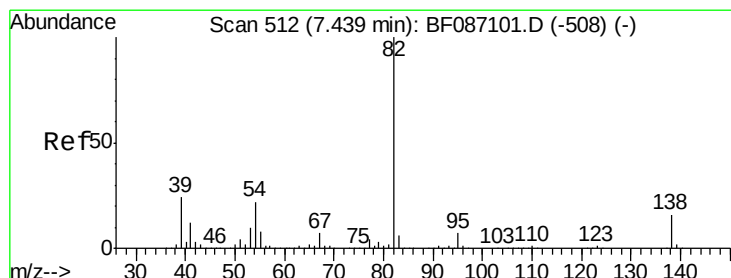
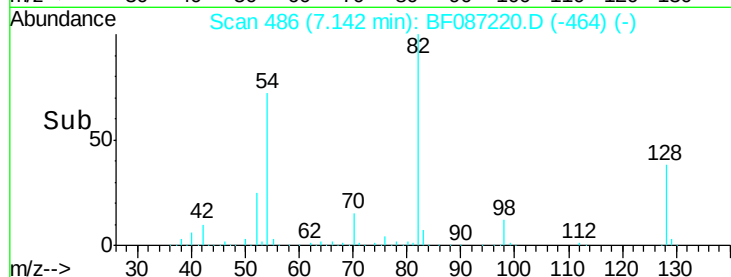
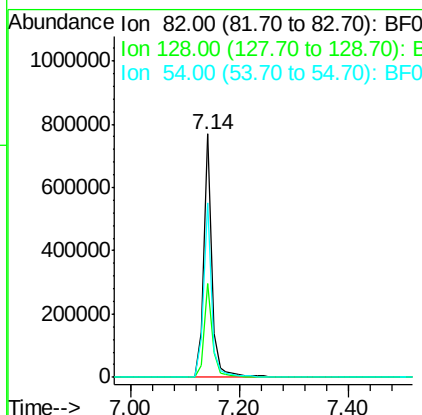
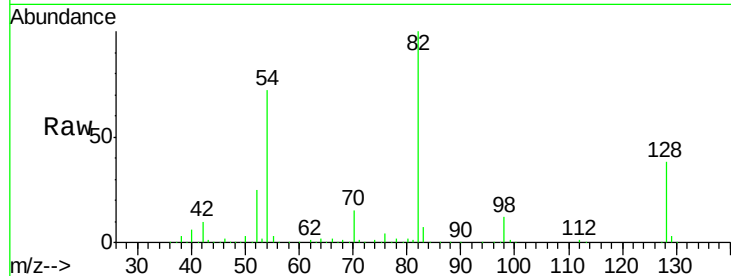




#23
Nitrobenzene-d5
Concen: 77.98 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.05 min
Lab File: BF087220.D
Acq: 20 May 2016 9:03

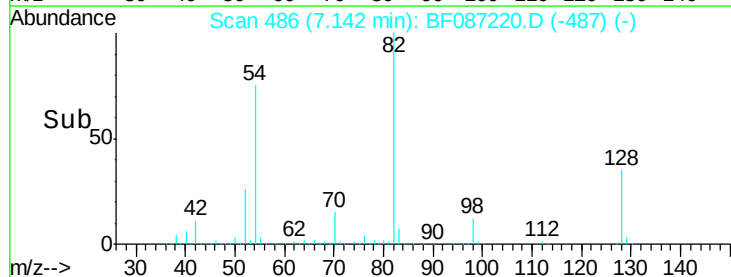
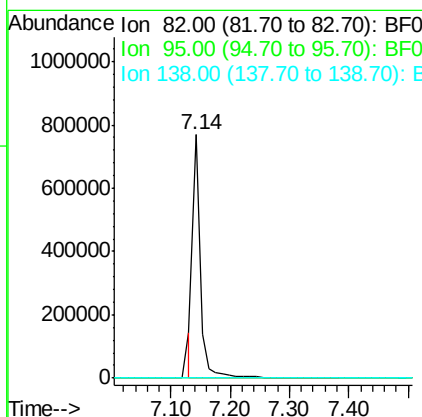
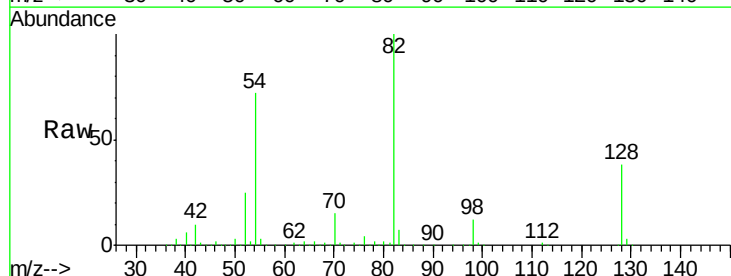
Instrument :
BNA_F
ClientSampleId :

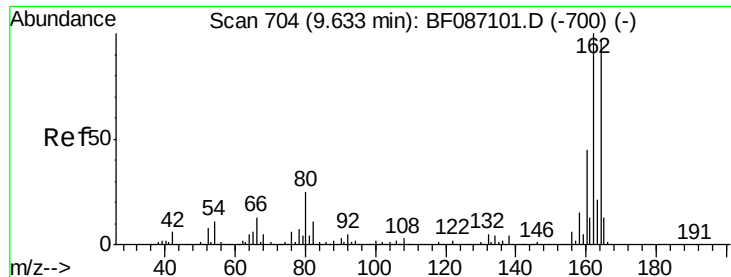
Tot Ion: 82 Resp: 798904
Ion Ratio Lower Upper
82 100
128 38.3 40.6 61.0#
54 71.9 38.1 57.1#



#25
Isophorone
Concen: 36.80 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.31 min
Lab File: BF087220.D
Acq: 20 May 2016 9:03

Tgt Ion: 82 Resp: 690238
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.4 18.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.05 min

Lab File: BF087220.D

Acq: 20 May 2016 9:03

Instrument :

BNA_F

ClientSampleId :

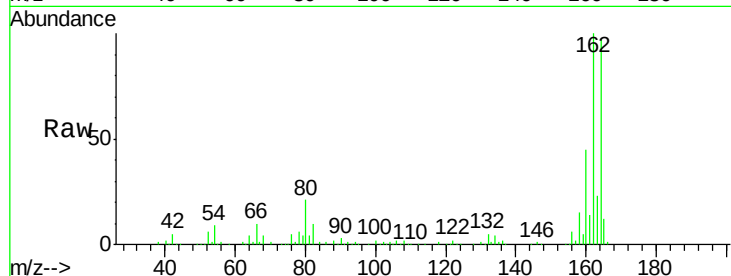
Tot Ion:164 Resp: 239884

Ion Ratio Lower Upper

164 100

162 103.2 82.8 124.2

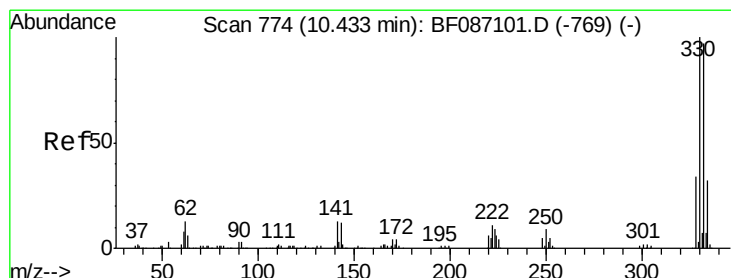
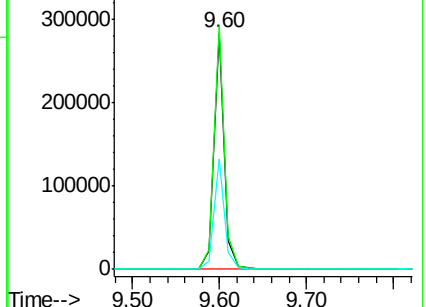
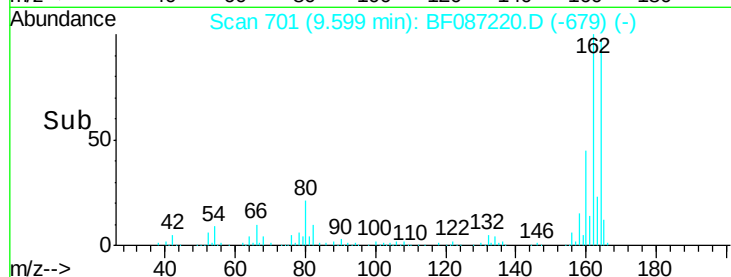
160 46.8 36.9 55.3



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: 99.75 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.05 min

Lab File: BF087220.D

Acq: 20 May 2016 9:03

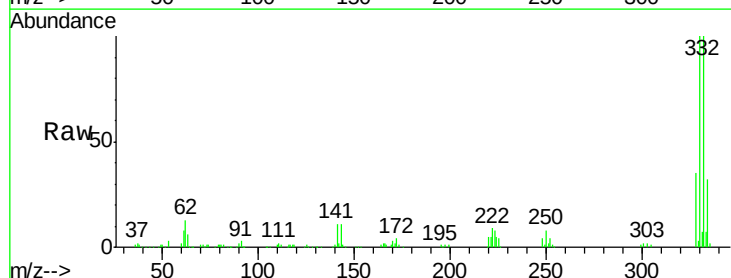
Tgt Ion:330 Resp: 264421

Ion Ratio Lower Upper

330 100

332 98.3 79.0 118.4

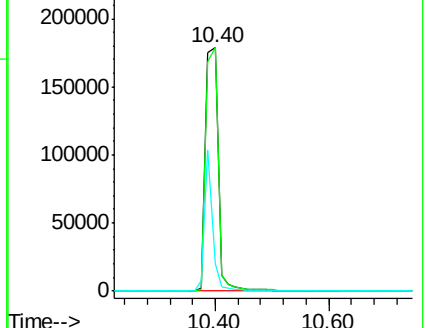
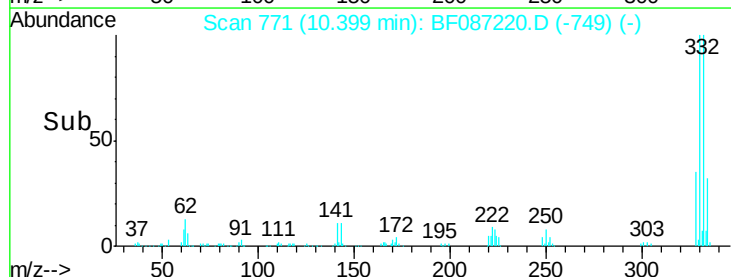
141 36.4 31.2 46.8

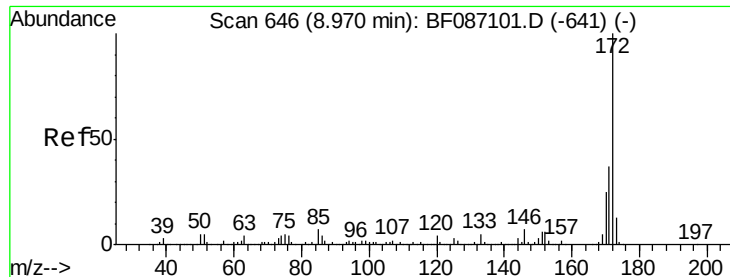


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 94.31 ng

RT: 8.94 min Scan# 643

Delta R.T. -0.05 min

Lab File: BF087220.D

Acq: 20 May 2016 9:03

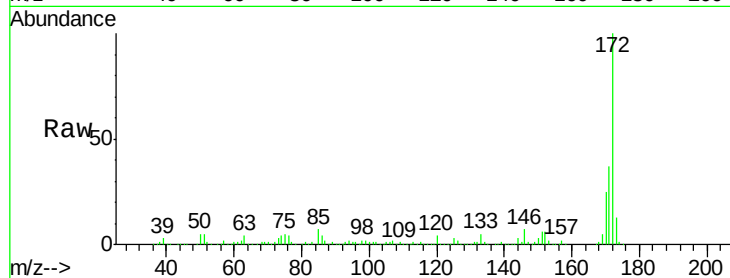
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1366037

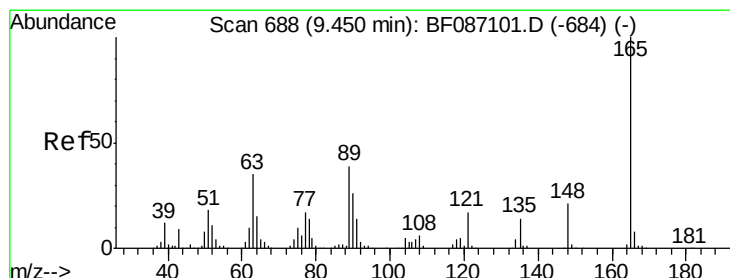
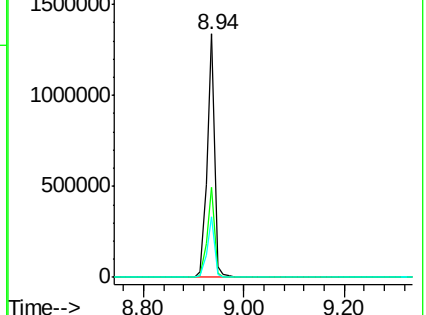
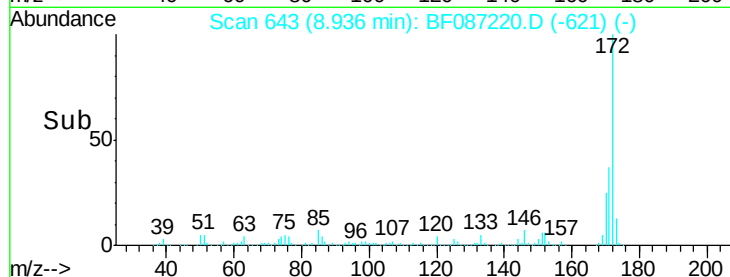
Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.0	43.6
170	24.8	19.8	29.8



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: 7.51 ng

RT: 9.60 min Scan# 701

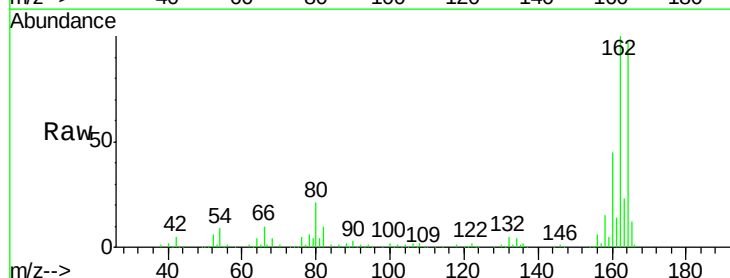
Delta R.T. 0.14 min

Lab File: BF087220.D

Acq: 20 May 2016 9:03

Tgt Ion:165 Resp: 29835

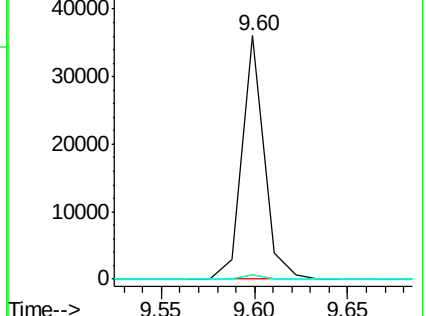
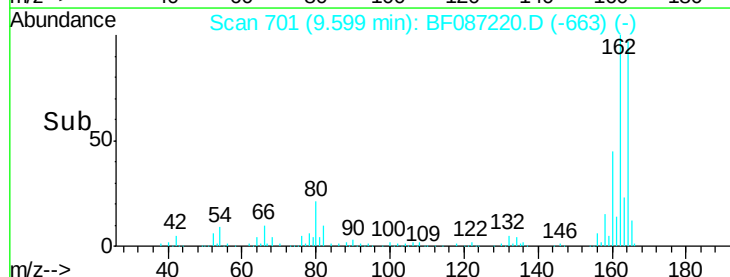
Ion	Ratio	Lower	Upper
165	100		
63	1.7	51.8	77.8#
89	1.6	50.7	76.1#

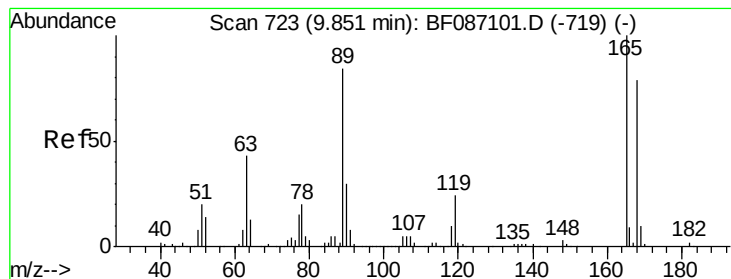


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

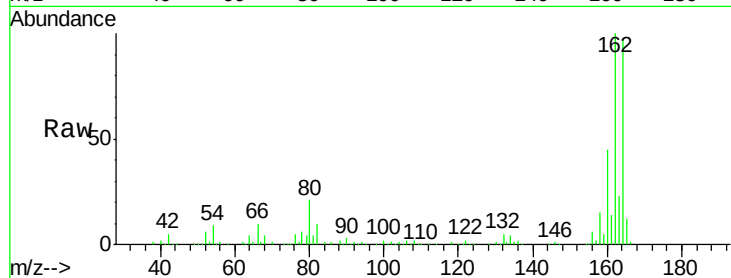




#56
 2,4-Dinitrotoluene
 Concen: 5.86 ng
 RT: 9.60 min Scan# 701
 Delta R.T. -0.26 min
 Lab File: BF087220.D
 Acq: 20 May 2016 9:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.3	66.5#
89	1.6	70.0	105.0#
182	0.0	1.8	2.6#

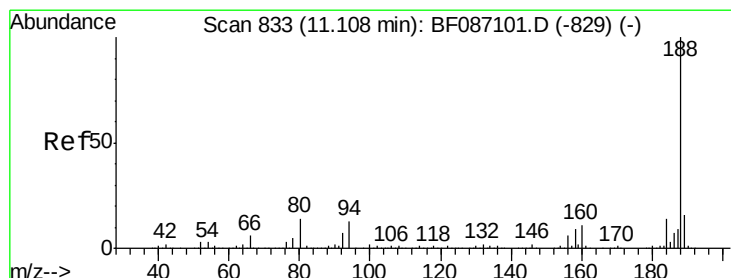
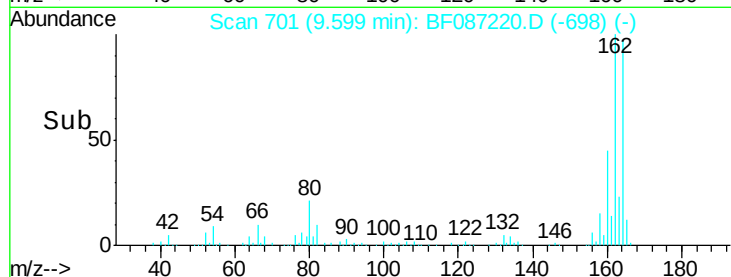
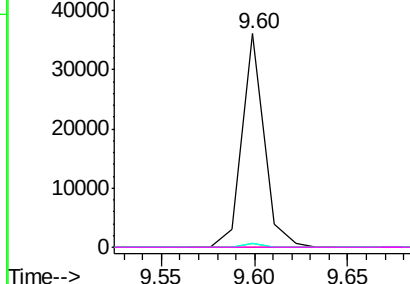


Abundance Ion 165.00 (164.70 to 165.70): E

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



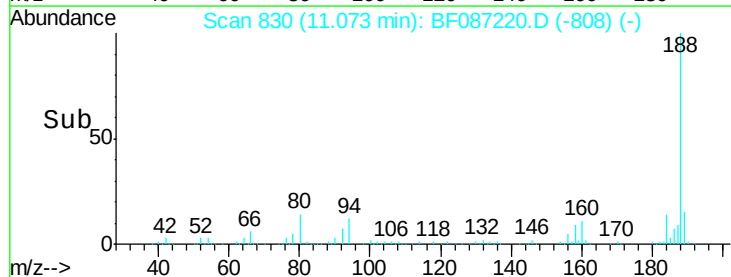
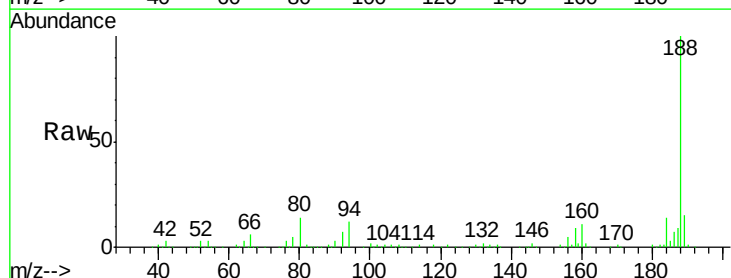
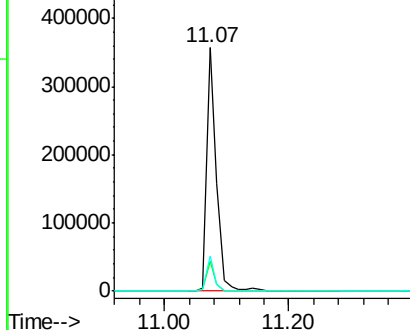
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.07 min Scan# 830
 Delta R.T. -0.05 min
 Lab File: BF087220.D
 Acq: 20 May 2016 9:03

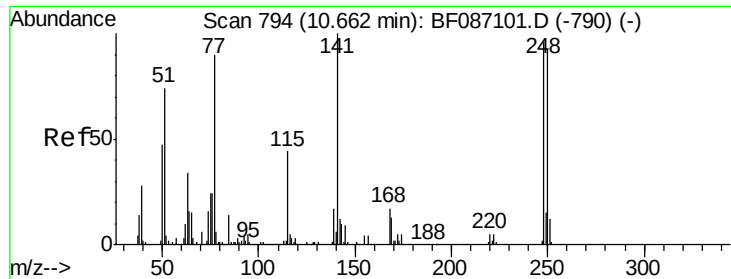
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.4	6.8	10.2#
80	14.3	7.1	10.7#

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





#66

4-Bromophenyl-phenylether

Concen: 3.86 ng

RT: 10.39 min Scan# 770

Delta R.T. -0.29 min

Lab File: BF087220.D

Acq: 20 May 2016 9:03

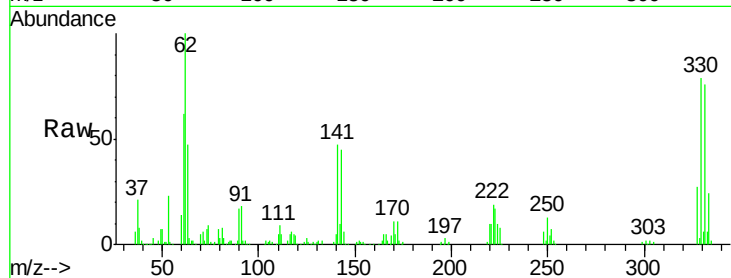
Instrument :

BNA_F

ClientSampled :

Tot Ion:248 Resp: 15171

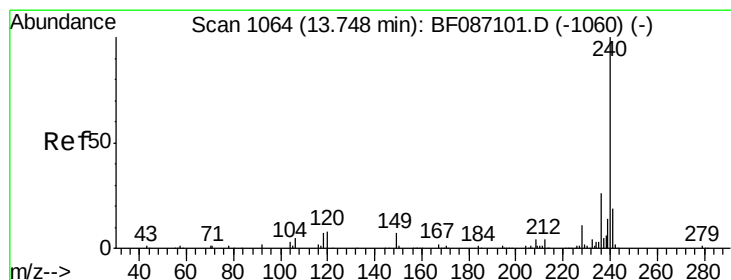
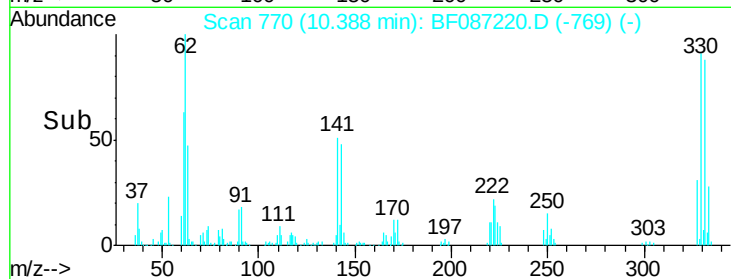
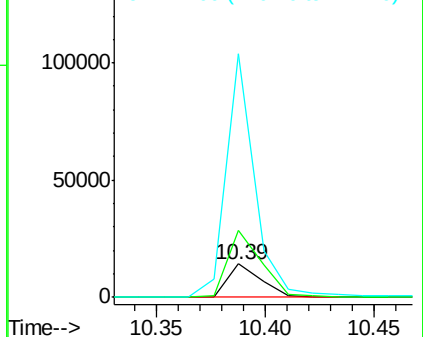
Ion	Ratio	Lower	Upper
248	100		
250	200.4	78.6	117.8#
141	726.2	76.0	114.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

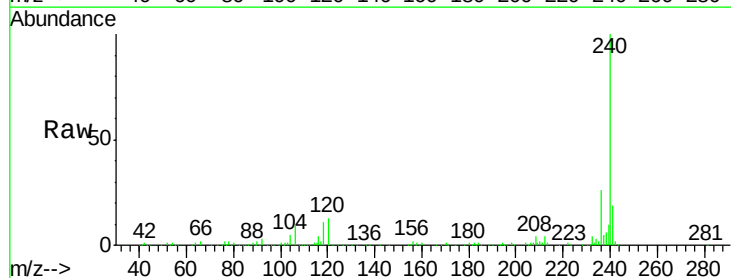
Delta R.T. -0.06 min

Lab File: BF087220.D

Acq: 20 May 2016 9:03

Tgt Ion:240 Resp: 265809

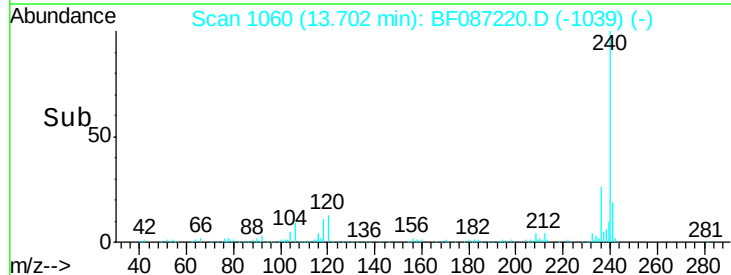
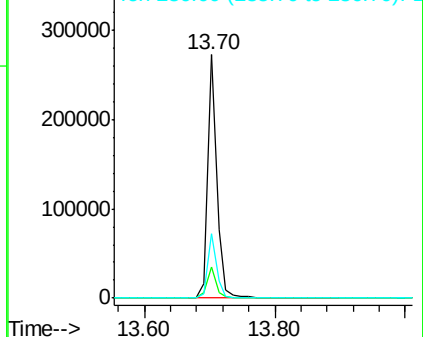
Ion	Ratio	Lower	Upper
240	100		
120	12.7	11.2	16.8
236	26.4	21.2	31.8

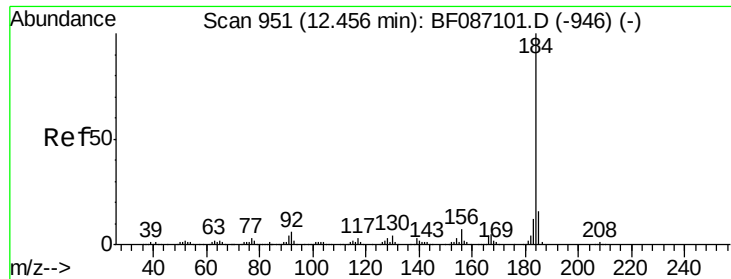


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.59 ng

RT: 12.66 min Scan# 969

Delta R.T. 0.20 min

Lab File: BF087220.D

Acq: 20 May 2016 9:03

Instrument :

BNA_F

ClientSampleId :

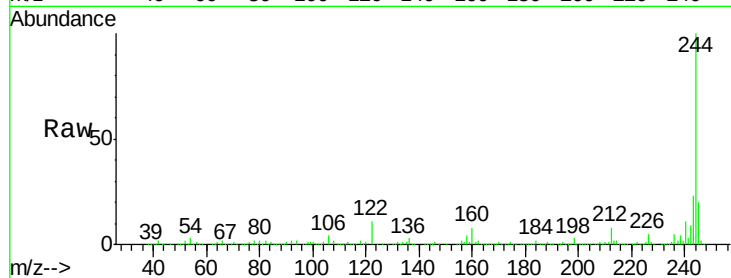
Tot Ion:184 Resp: 16326

Ion Ratio Lower Upper

184 100

185 16.6 13.6 20.4

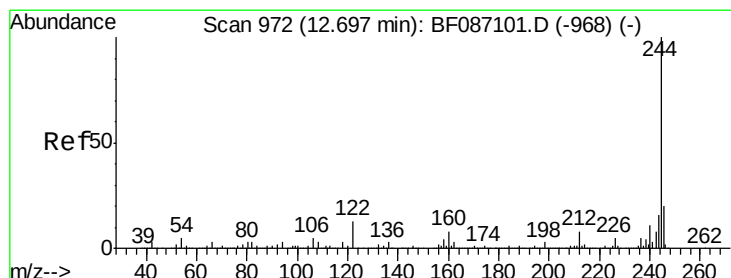
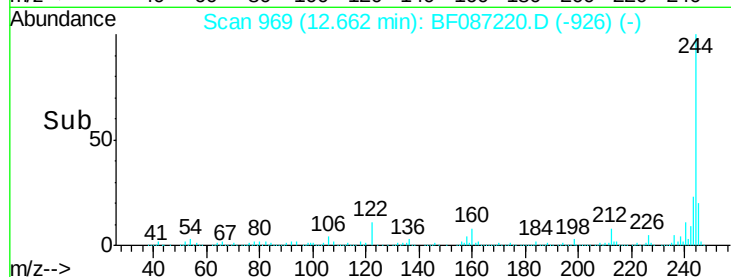
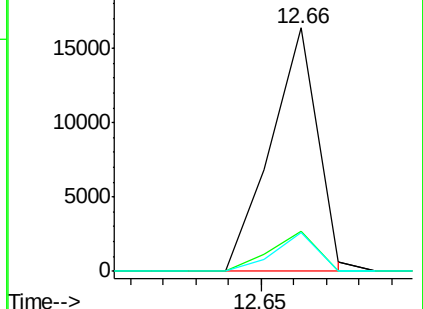
183 16.1 9.8 14.6#



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: 84.97 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.05 min

Lab File: BF087220.D

Acq: 20 May 2016 9:03

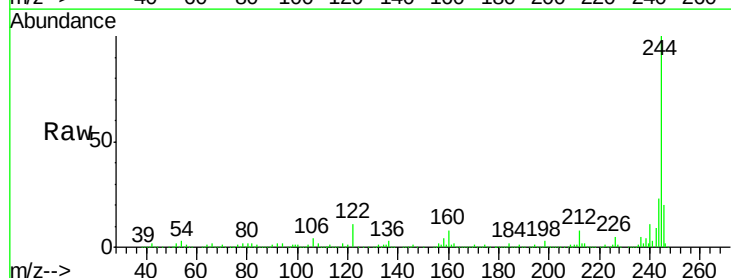
Tgt Ion:244 Resp: 998407

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

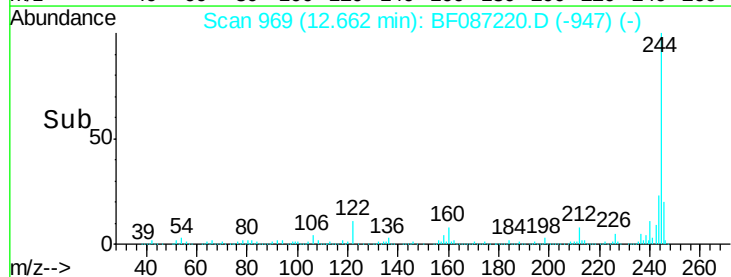
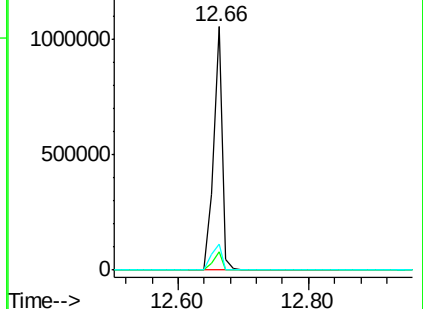
122 10.7 12.0 18.0#

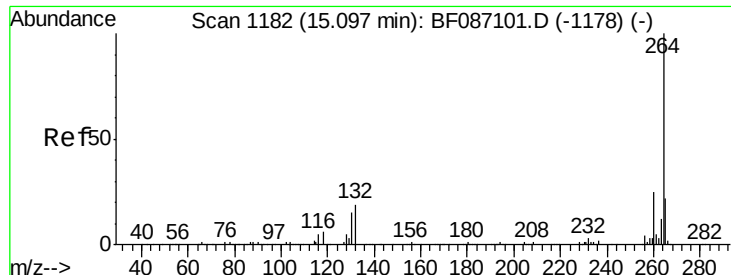


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

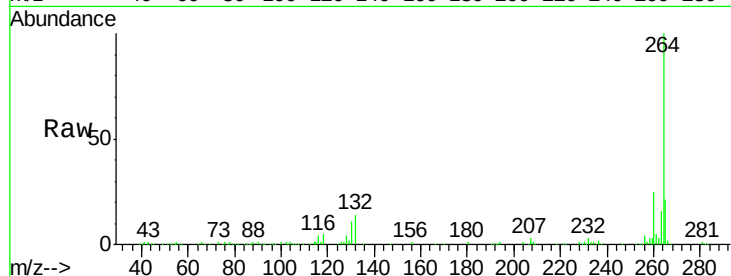




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 1179
 Delta R.T. -0.05 min
 Lab File: BF087220.D
 Acq: 20 May 2016 9:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.3	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

