

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051116\
 Data File : BF086926.D
 Acq On : 12 May 2016 11:13
 Operator : UM/SJ
 Sample : H2866-01RE 50X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 12 16:12:48 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

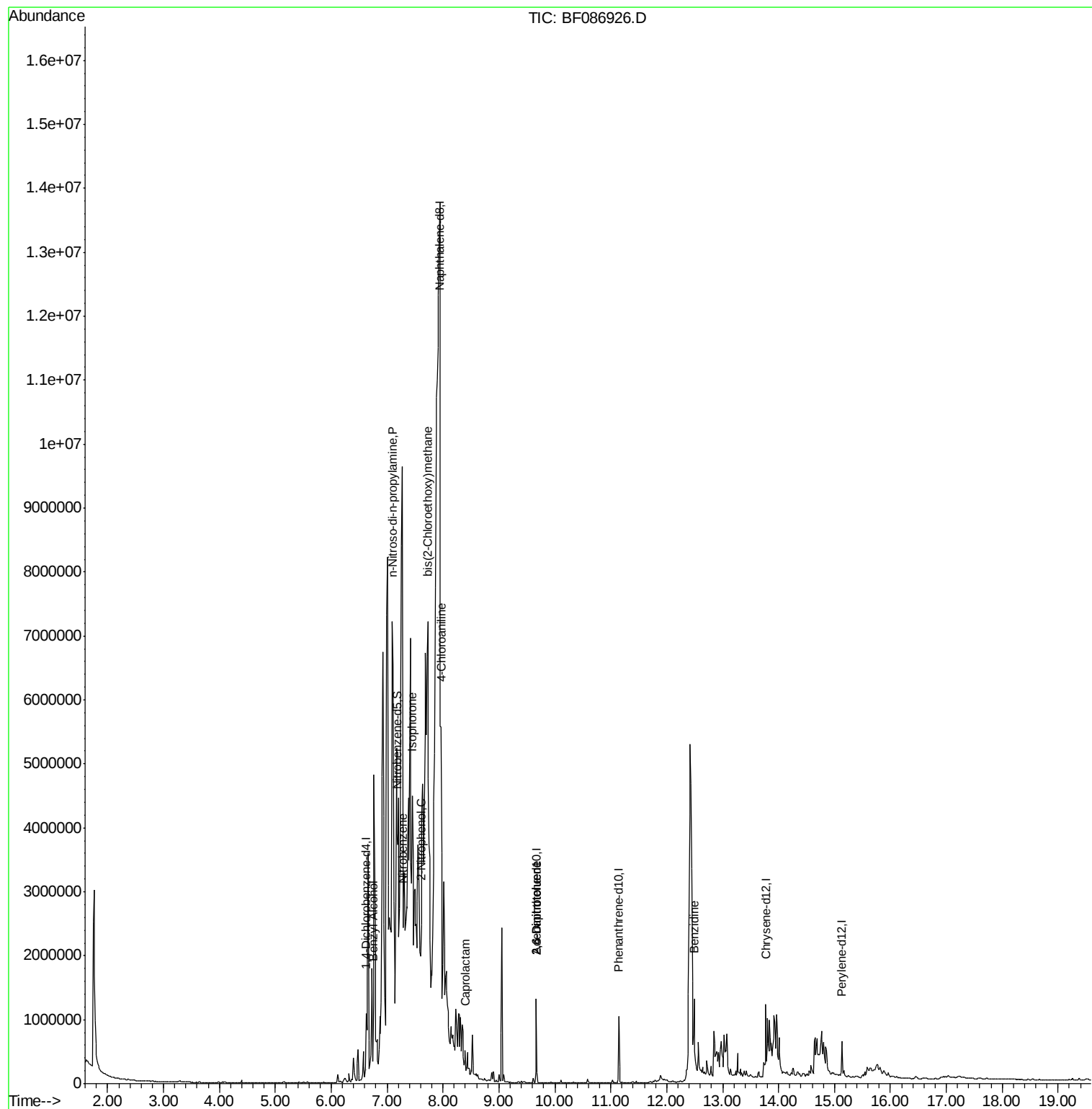
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	151569	20.00	ng	-0.01
21) Naphthalene-d8	7.93	136	153494	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	228826	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	351398	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	356121	20.00	ng	-0.01
86) Perylene-d12	15.13	264	269363	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1073	0.12	ng	0.02
7) Phenol-d6	6.32	99	3704	0.31	ng	0.00
23) Nitrobenzene-d5	7.18	82	21816	7.14	ng	-0.05
41) 2,4,6-Tribromophenol	10.46	330	215	0.09	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	4412	0.32	ng	-0.01
78) Terphenyl-d14	12.73	244	4366	0.26	ng	0.00
Target Compounds						
15) Benzyl Alcohol	6.75	79	18921	2.29	ng	# 54
19) n-Nitroso-di-n-propylamine	7.10	70	510675	61.09	ng	# 65
24) Nitrobenzene	7.28	77	16450	5.23	ng	# 56
25) Isophorone	7.45	82	104630	18.45	ng	# 1
26) 2-Nitrophenol	7.61	139	34546	24.99	ng	# 4
28) bis(2-Chloroethoxy)methane	7.72	93	8308	2.72	ng	# 1
33) 4-Chloroaniline	7.96	127	40958	13.71	ng	# 67
35) Caprolactam	8.40	113	8416	11.94	ng	# 1
50) 2,6-Dinitrotoluene	9.67	165	29607	8.06	ng	# 20
56) 2,4-Dinitrotoluene	9.67	165	29607	6.51	ng	# 16
76) Benzydine	12.49	184	407758	44.91	ng	96

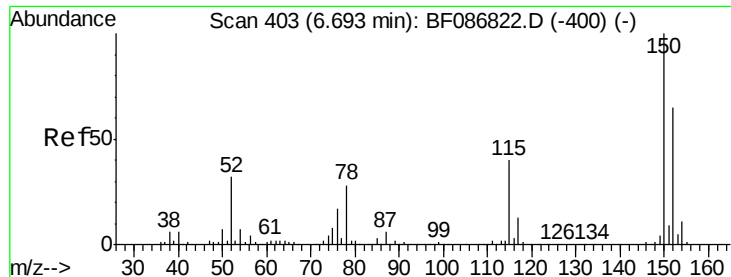
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051116\
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ALS Vial : 48 Sample Multiplier: 1

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Quant Time: May 12 16:12:48 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

Instrument :

BNA_F

ClientSampleId :

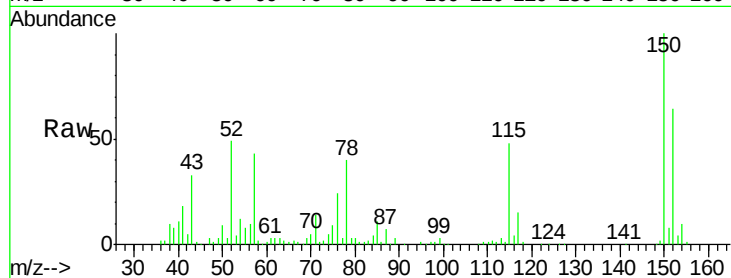
Tot Ion:152 Resp: 151569

Ion Ratio Lower Upper

152 100

150 157.2 125.8 188.6

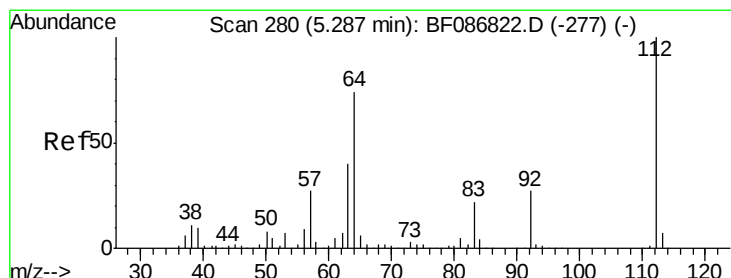
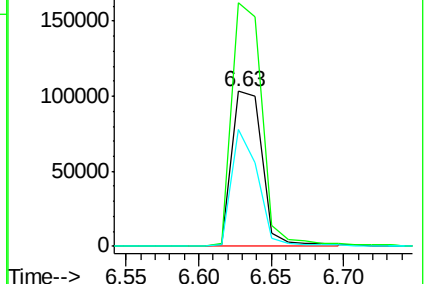
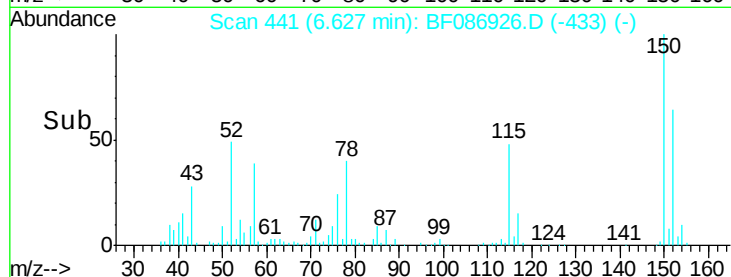
115 75.7 51.5 77.3



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: 0.12 ng

RT: 5.26 min Scan# 321

Delta R.T. 0.02 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

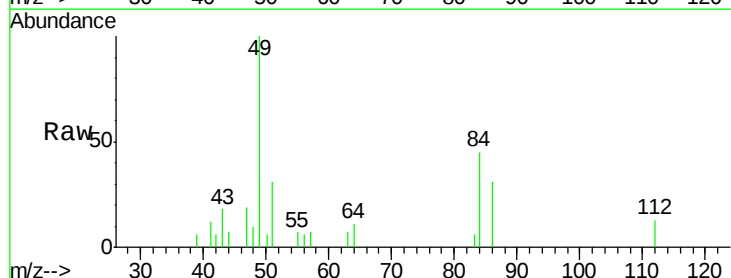
Tgt Ion:112 Resp: 1073

Ion Ratio Lower Upper

112 100

64 89.6 52.1 78.1#

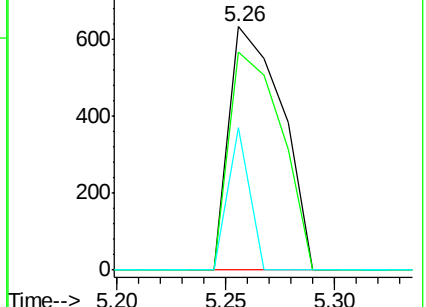
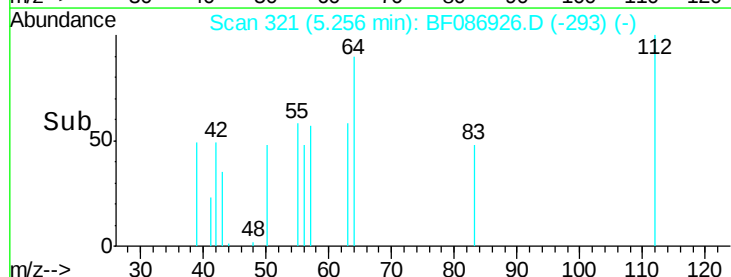
63 58.5 25.7 38.5#

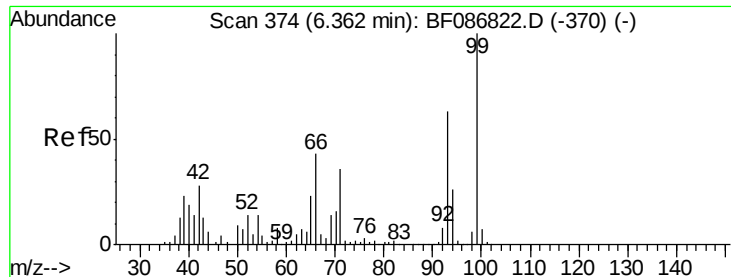


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.31 ng

RT: 6.32 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

Instrument :

BNA_F

ClientSampleId :

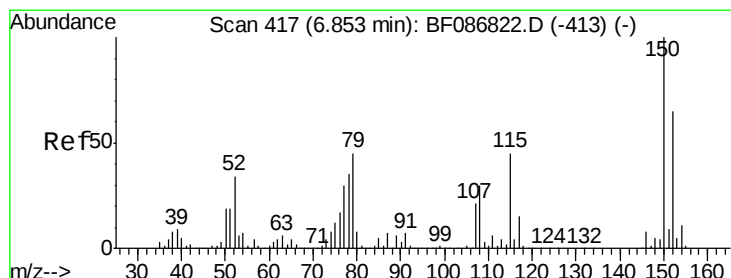
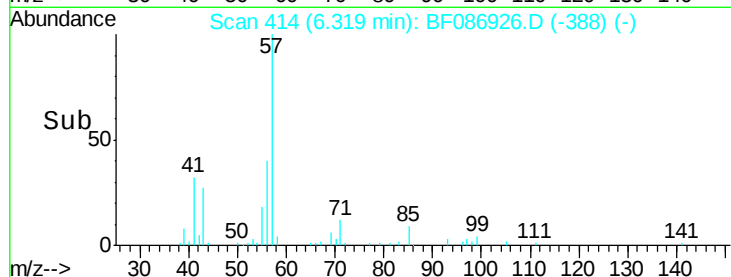
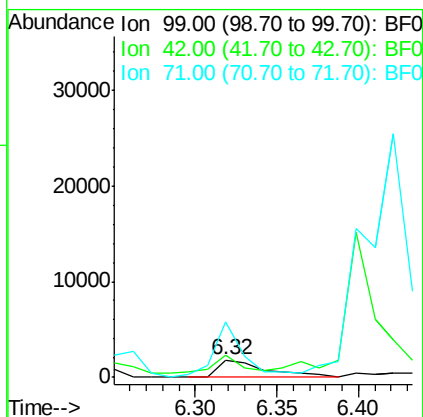
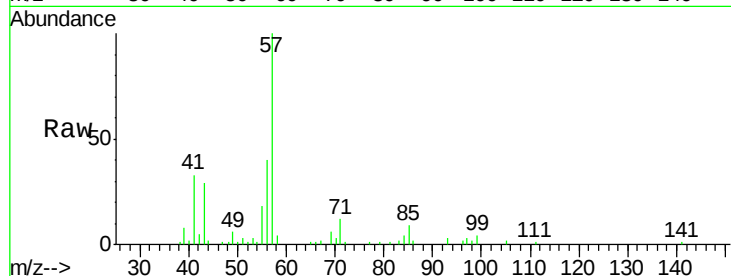
Tot Ion: 99 Resp: 3704

Ion Ratio Lower Upper

99 100

42 126.1 13.6 20.4#

71 314.2 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.29 ng

RT: 6.75 min Scan# 452

Delta R.T. -0.05 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

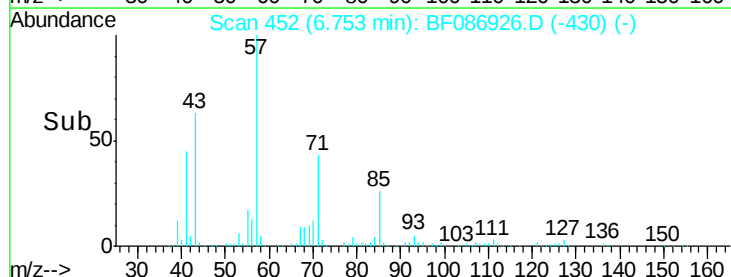
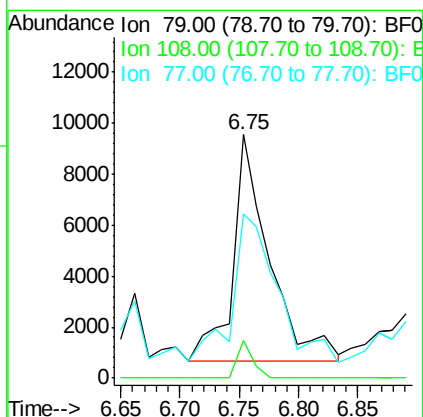
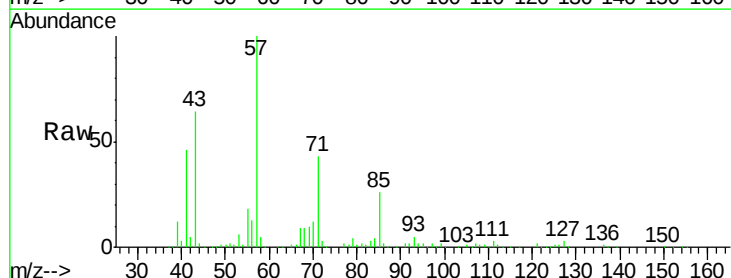
Tgt Ion: 79 Resp: 18921

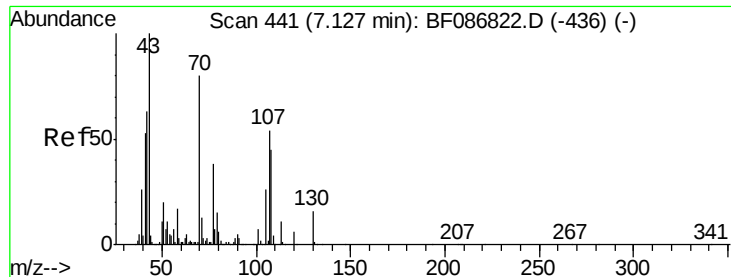
Ion Ratio Lower Upper

79 100

108 15.5 68.4 102.6#

77 67.6 50.6 76.0

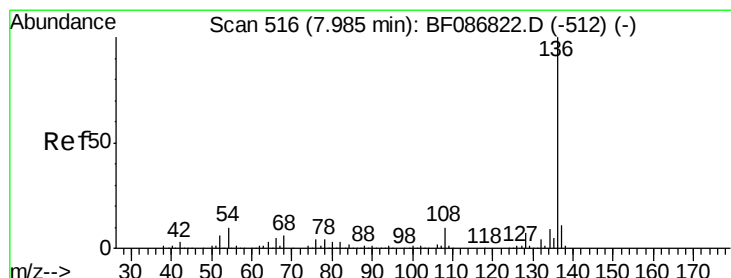
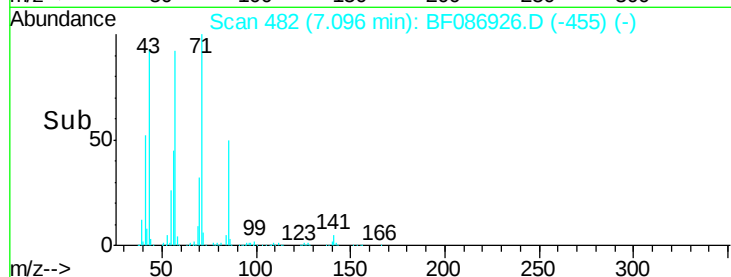
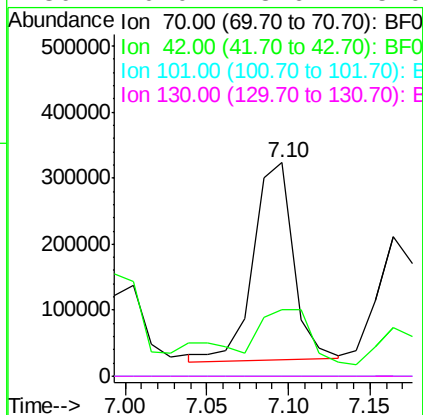
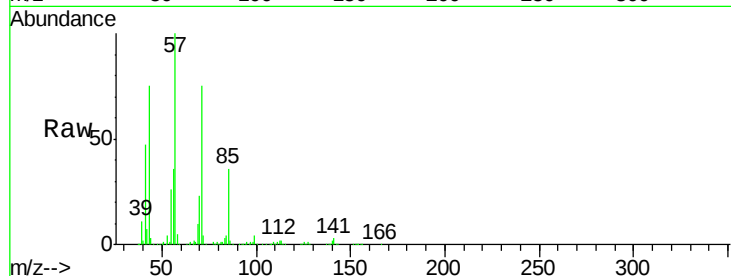




#19
n-Nitroso-di-n-propylamine
Concen: 61.09 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.01 min
Lab File: BF086926.D
Acq: 12 May 2016 11:13

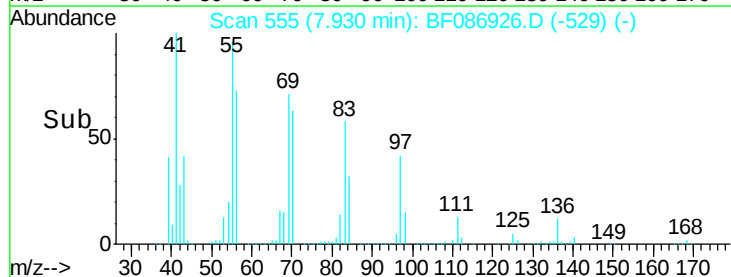
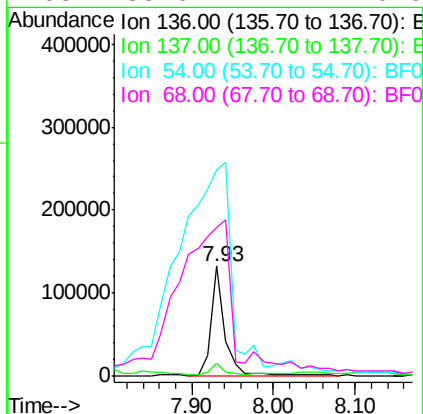
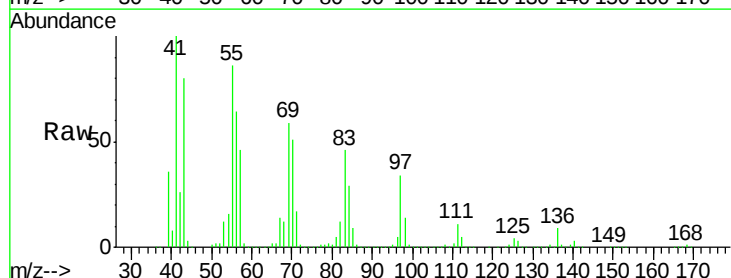
Instrument :
BNA_F
ClientSampled :

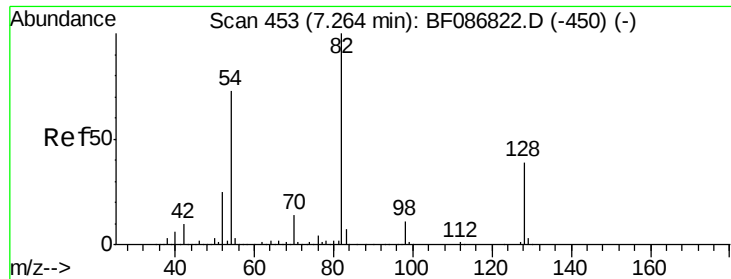
Tot Ion: 70 Resp: 510675
Ion Ratio Lower Upper
70 100
42 31.3 43.1 64.7#
101 0.0 8.1 12.1#
130 0.0 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF086926.D
Acq: 12 May 2016 11:13

Tgt Ion: 136 Resp: 153494
Ion Ratio Lower Upper
136 100
137 11.9 8.8 13.2
54 187.7 5.0 7.4#
68 135.6 4.4 6.6#

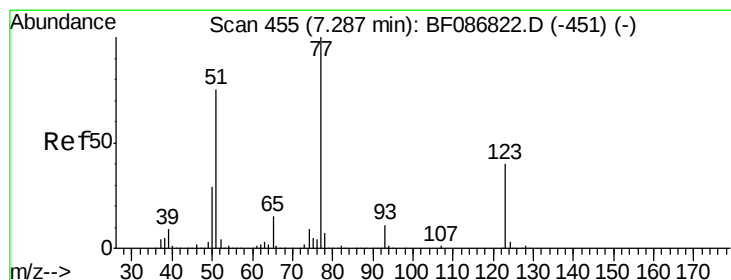
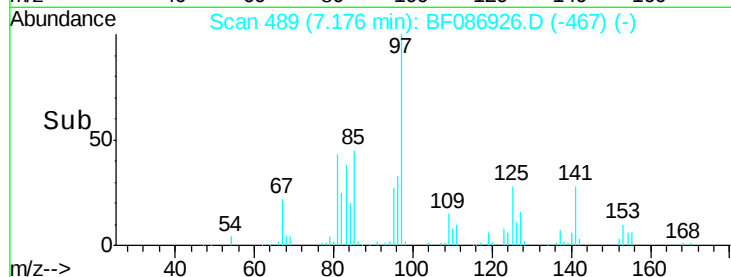
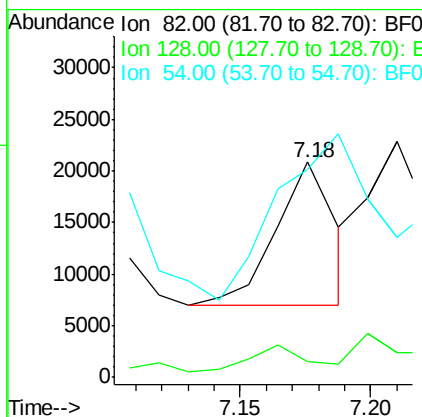
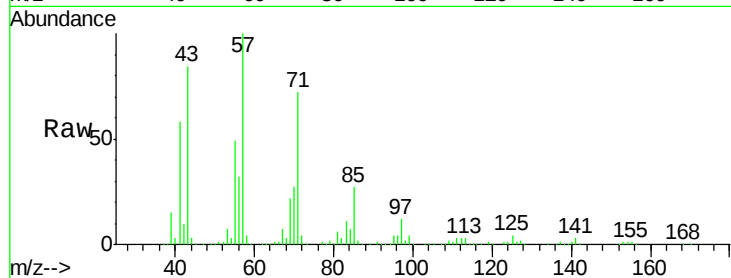




#23
Nitrobenzene-d5
Concen: 7.14 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.05 min
Lab File: BF086926.D
Acq: 12 May 2016 11:13

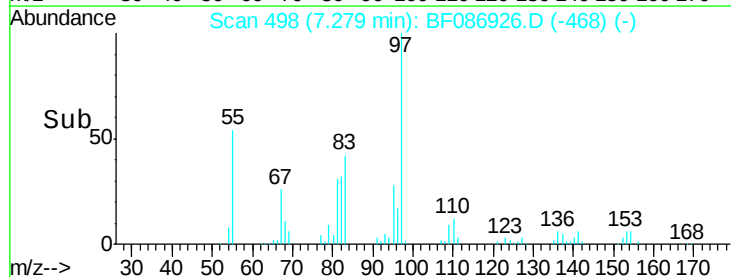
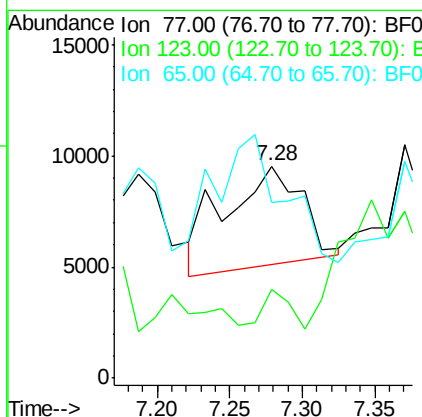
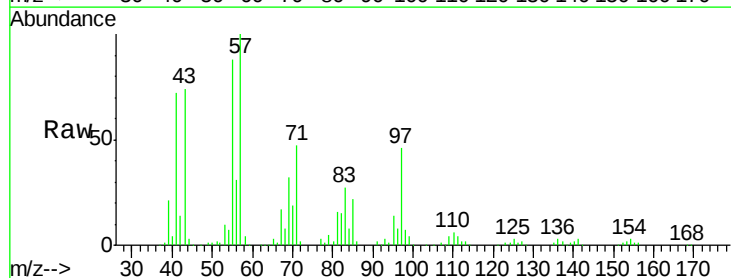
Instrument :
BNA_F
ClientSampleId :

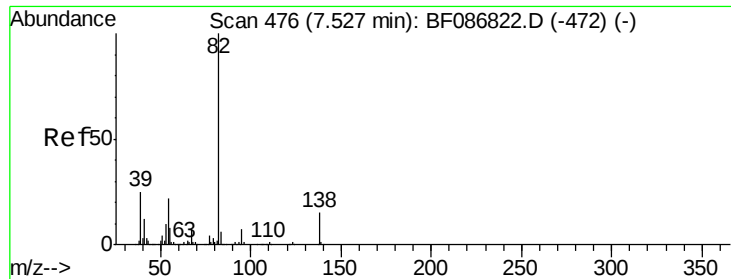
Tot Ion: 82 Resp: 21816
Ion Ratio Lower Upper
82 100
128 7.2 40.6 61.0#
54 96.5 38.1 57.1#



#24
Nitrobenzene
Concen: 5.23 ng
RT: 7.28 min Scan# 498
Delta R.T. 0.05 min
Lab File: BF086926.D
Acq: 12 May 2016 11:13

Tgt Ion: 77 Resp: 16450
Ion Ratio Lower Upper
77 100
123 41.9 33.0 49.4
65 83.0 10.8 16.2#





#25

Isophorone

Concen: 18.45 ng

RT: 7.45 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

Instrument :

BNA_F

ClientSampleId :

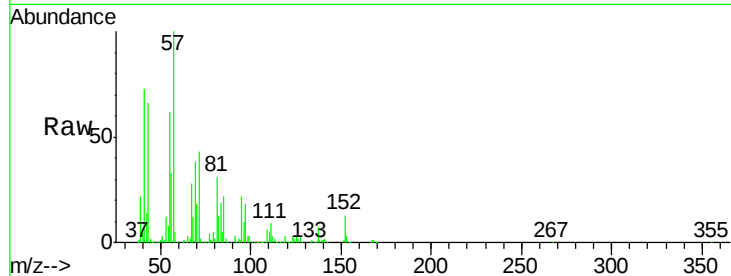
Tot Ion: 82 Resp: 104630

Ion Ratio Lower Upper

82 100

95 165.0 5.1 7.7#

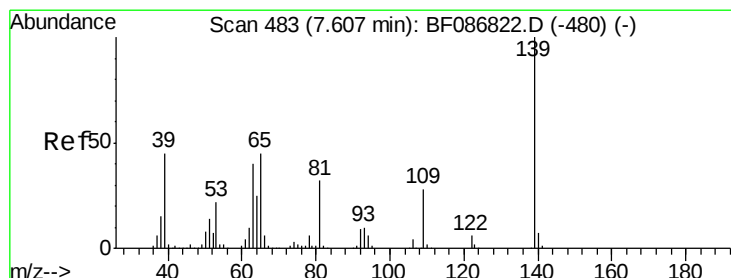
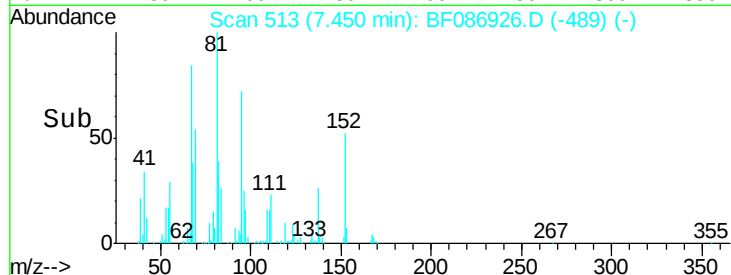
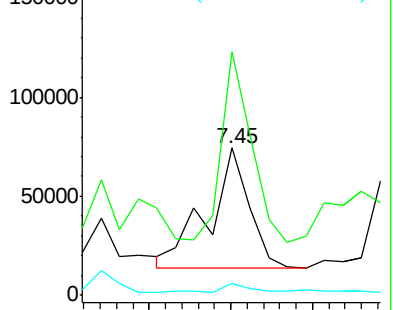
138 7.9 12.4 18.6#



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



#26

2-Nitrophenol

Concen: 24.99 ng

RT: 7.61 min Scan# 527

Delta R.T. 0.06 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

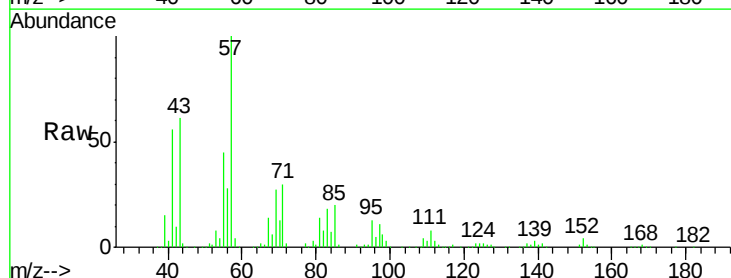
Tgt Ion: 139 Resp: 34546

Ion Ratio Lower Upper

139 100

109 139.1 19.5 29.3#

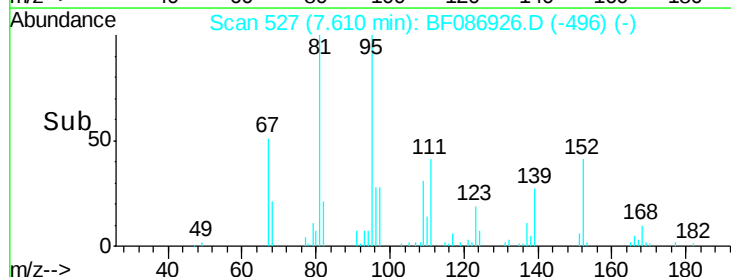
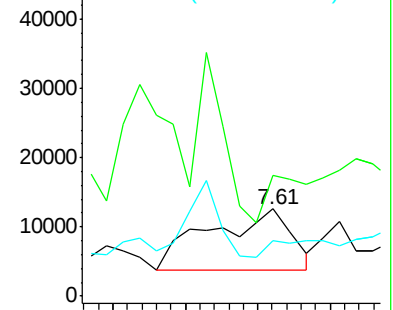
65 63.8 37.5 56.3#

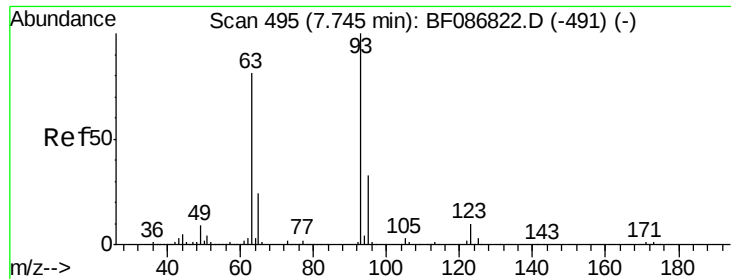


Abundance Ion 139.00 (138.70 to 139.70): BF0

Ion 109.00 (108.70 to 109.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

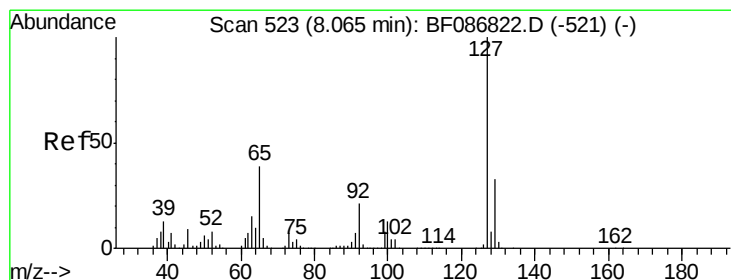
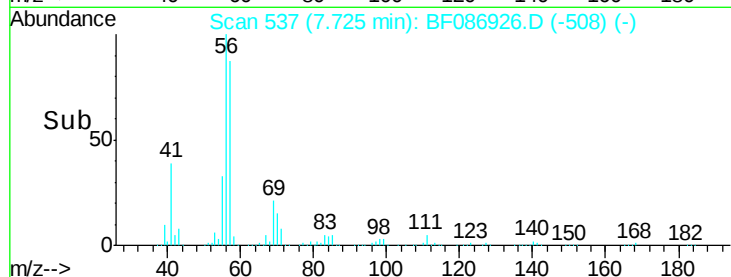
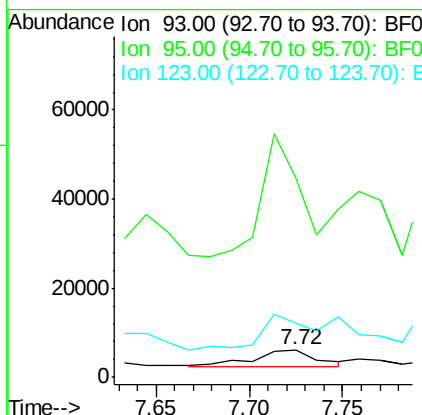
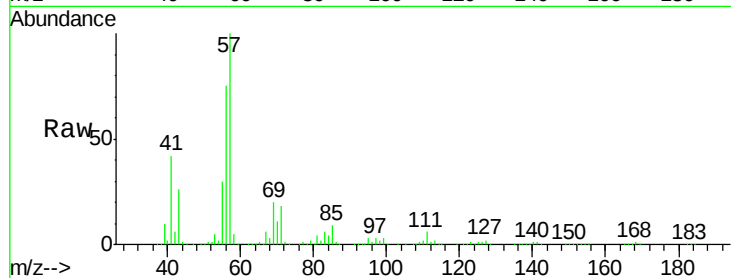




#28
bis(2-Chloroethoxy)methane
Concen: 2.72 ng
RT: 7.72 min Scan# 537
Delta R.T. 0.03 min
Lab File: BF086926.D
Acq: 12 May 2016 11:13

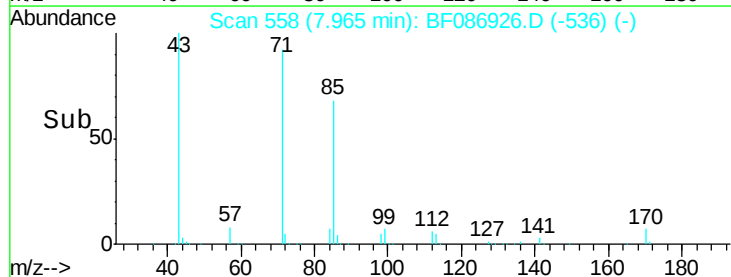
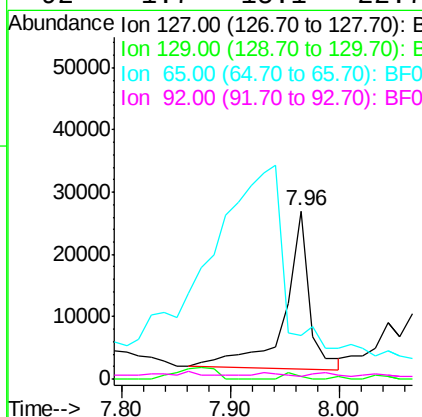
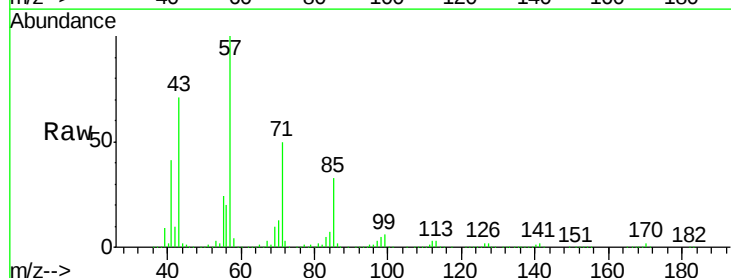
Instrument :
BNA_F
ClientSampled :

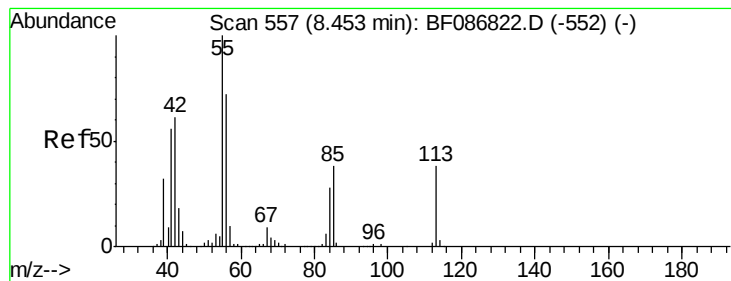
Tot Ion: 93 Resp: 8308
Ion Ratio Lower Upper
93 100
95 725.0 26.0 39.0#
123 196.5 9.5 14.3#



#33
4-Chloroaniline
Concen: 13.71 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.05 min
Lab File: BF086926.D
Acq: 12 May 2016 11:13

Tgt Ion: 127 Resp: 40958
Ion Ratio Lower Upper
127 100
129 1.7 26.2 39.4#
65 26.2 23.0 34.4
92 1.7 15.1 22.7#





#35

Caprolactam

Concen: 11.94 ng

RT: 8.40 min Scan# 596

Delta R.T. -0.01 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

Instrument :

BNA_F

ClientSampleId :

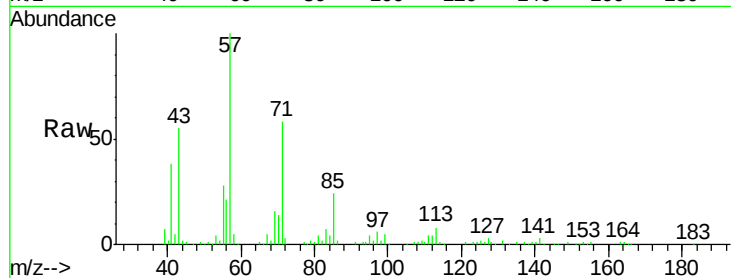
Tot Ion:113 Resp: 8416

Ion Ratio Lower Upper

113 100

55 341.6 162.0 202.0#

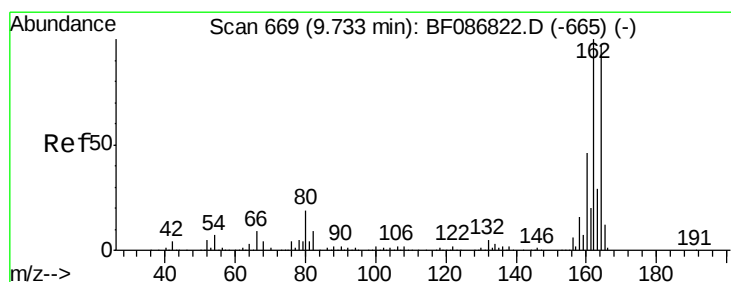
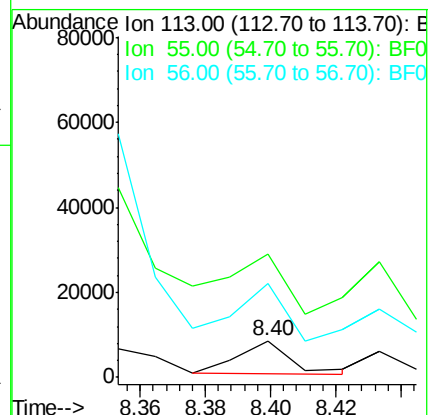
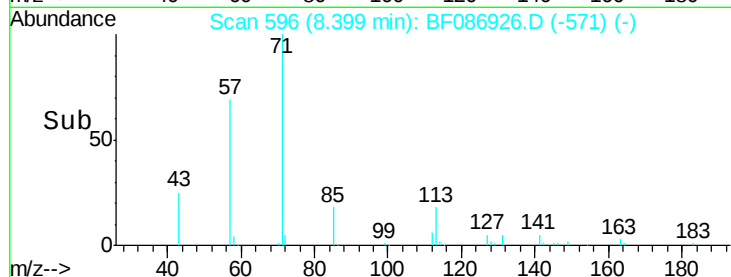
56 258.9 115.3 155.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

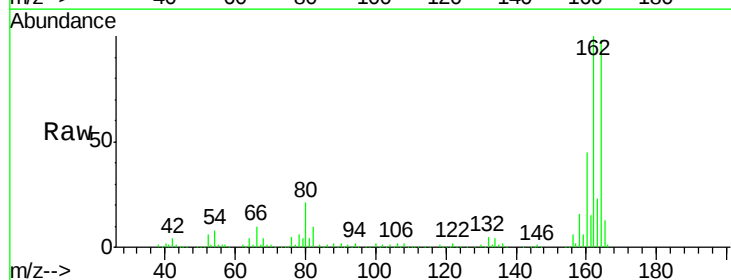
Tgt Ion:164 Resp: 228826

Ion Ratio Lower Upper

164 100

162 102.3 82.8 124.2

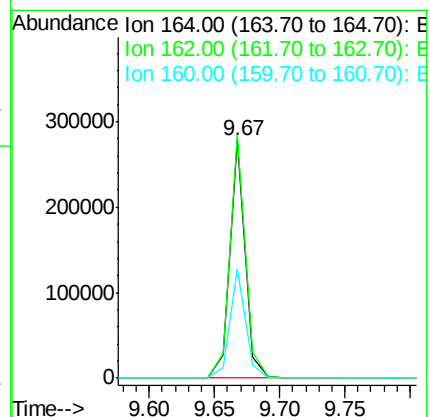
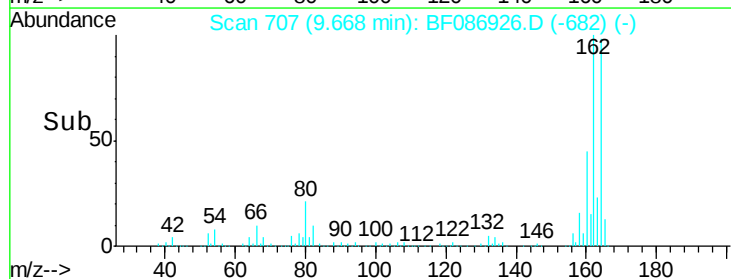
160 46.1 36.9 55.3

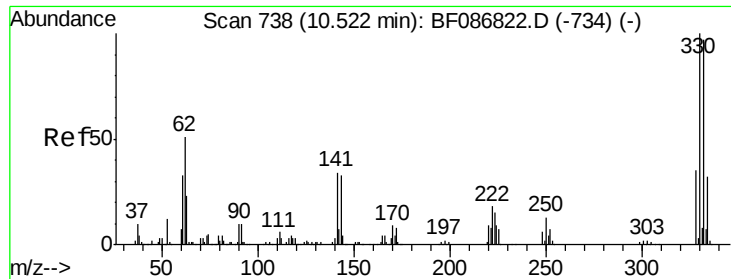


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

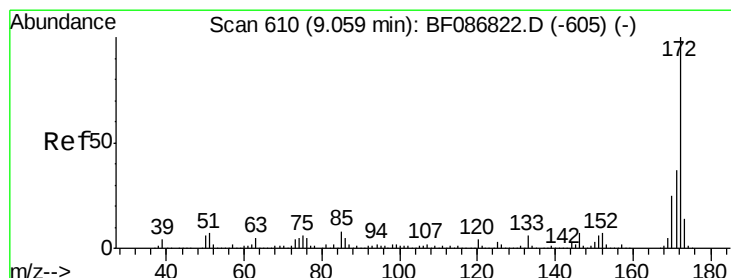
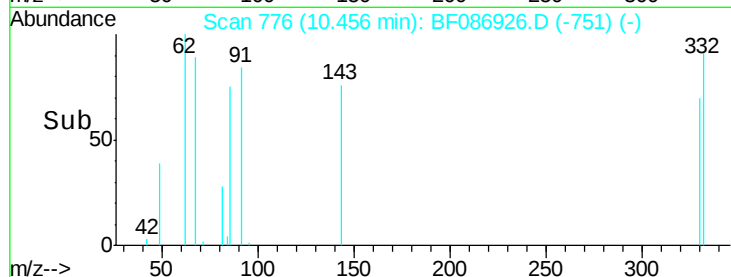
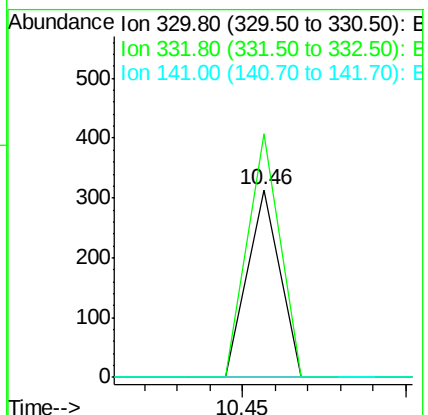
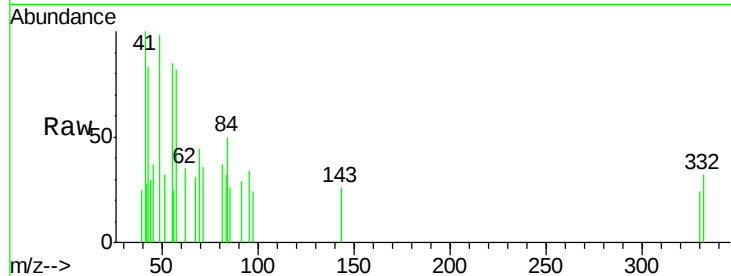




#41
 2,4,6-Tribromophenol
 Concen: 0.09 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF086926.D
 Acq: 12 May 2016 11:13

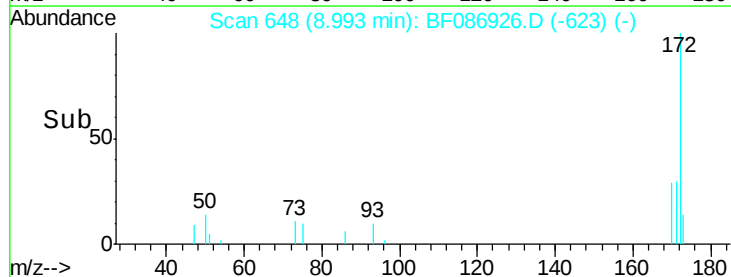
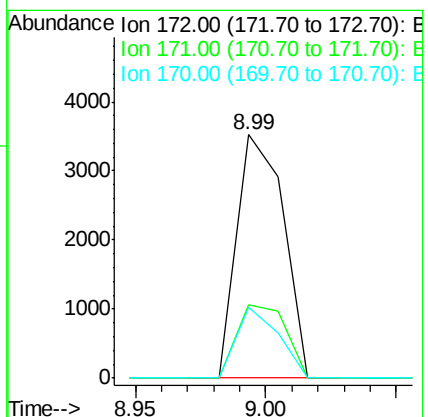
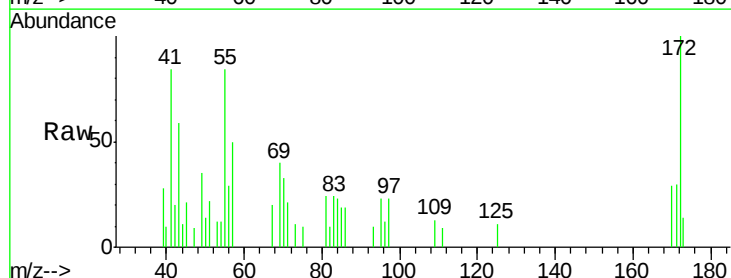
Instrument :
 BNA_F
 ClientSampled :

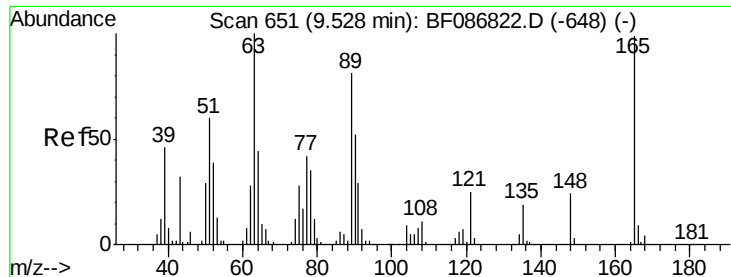
Tot Ion:330 Resp: 215
 Ion Ratio Lower Upper
 330 100
 332 129.8 79.0 118.4#
 141 0.0 31.2 46.8#



#44
 2-Fluorobiphenyl
 Concen: 0.32 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF086926.D
 Acq: 12 May 2016 11:13

Tgt Ion:172 Resp: 4412
 Ion Ratio Lower Upper
 172 100
 171 29.9 29.0 43.6
 170 29.1 19.8 29.8

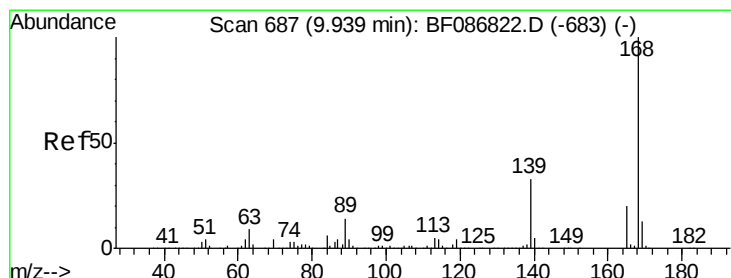
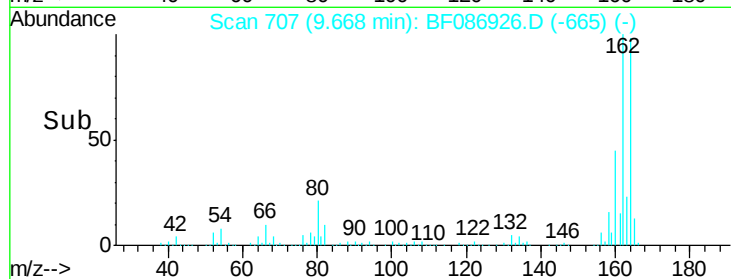
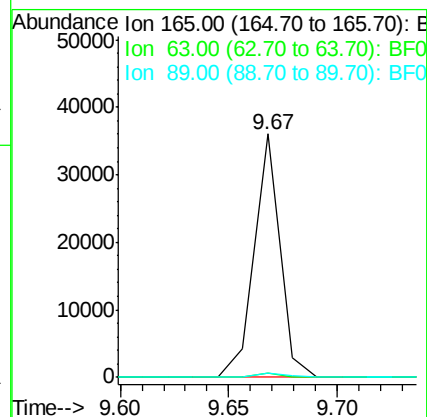
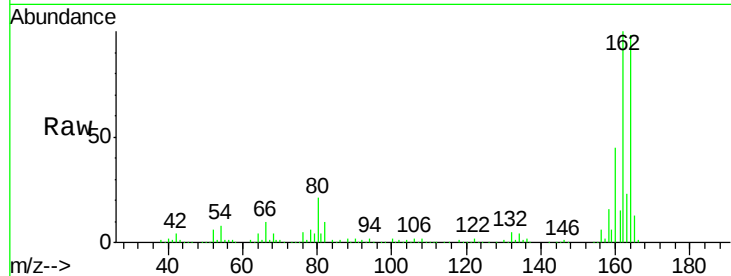




#50
2,6-Dinitrotoluene
Concen: 8.06 ng
RT: 9.67 min Scan# 707
Delta R.T. 0.18 min
Lab File: BF086926.D
Acq: 12 May 2016 11:13

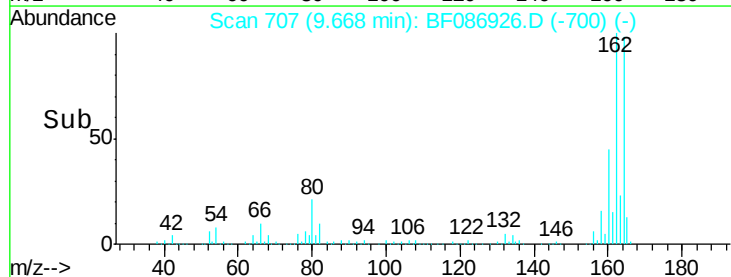
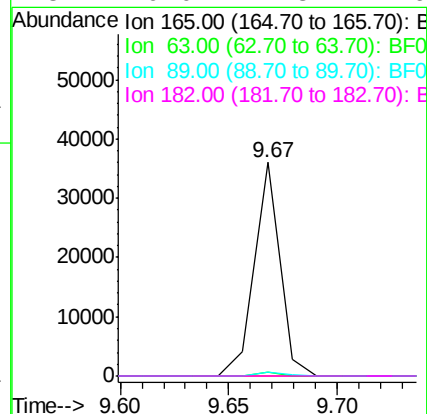
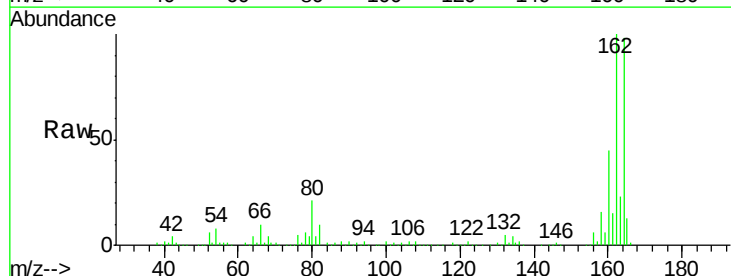
Instrument :
BNA_F
ClientSampleId :

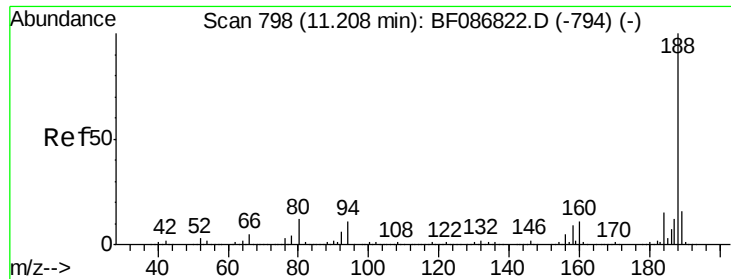
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	51.8	77.8#
89	1.8	50.7	76.1#



#56
2,4-Dinitrotoluene
Concen: 6.51 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.22 min
Lab File: BF086926.D
Acq: 12 May 2016 11:13

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

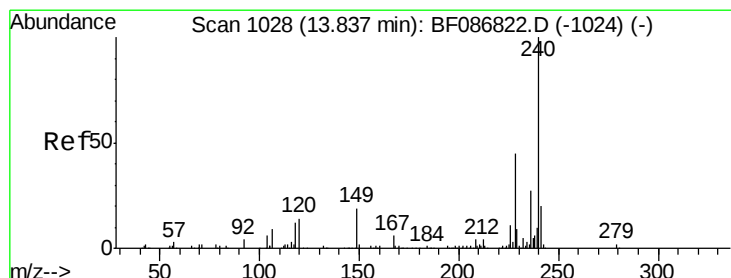
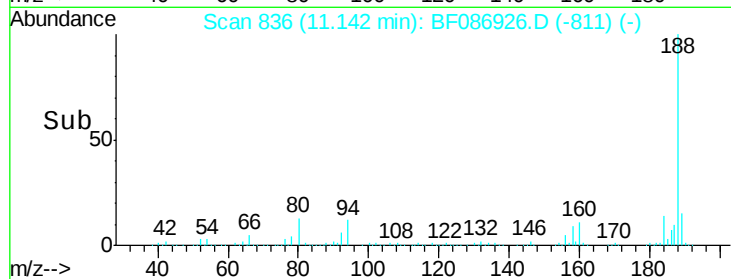
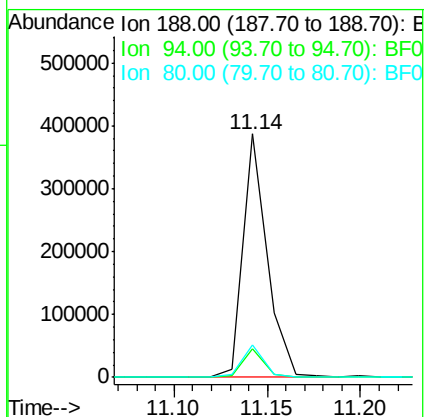
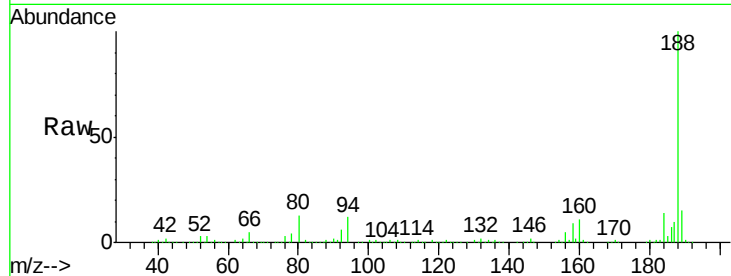




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF086926.D
Acq: 12 May 2016 11:13

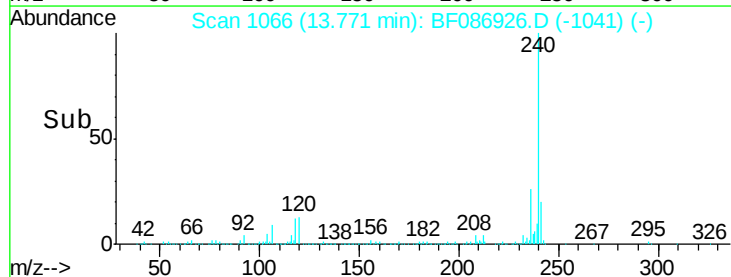
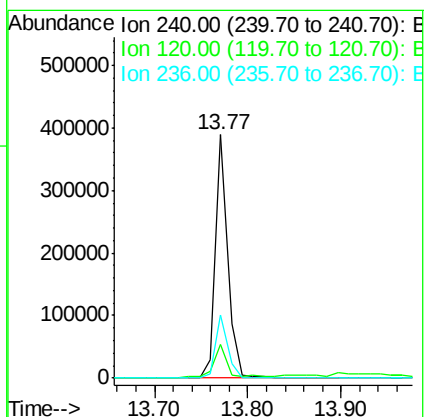
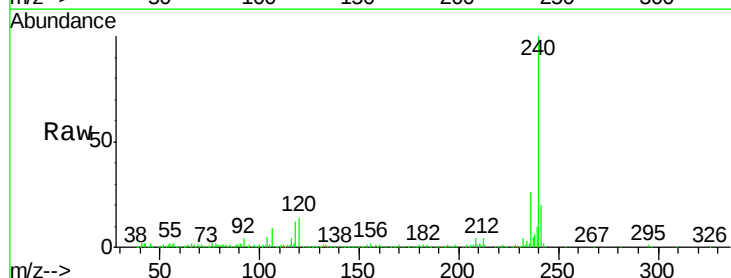
Instrument :
BNA_F
ClientSampleId :

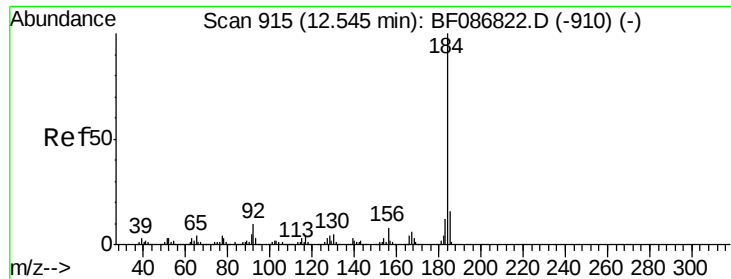
Tot Ion:188 Resp: 351398
Ion Ratio Lower Upper
188 100
94 12.0 6.8 10.2#
80 13.3 7.1 10.7#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BF086926.D
Acq: 12 May 2016 11:13

Tgt Ion:240 Resp: 356121
Ion Ratio Lower Upper
240 100
120 13.6 11.2 16.8
236 26.0 21.2 31.8





#76

Benzidine

Concen: 44.91 ng

RT: 12.49 min Scan# 954

Delta R.T. 0.00 min

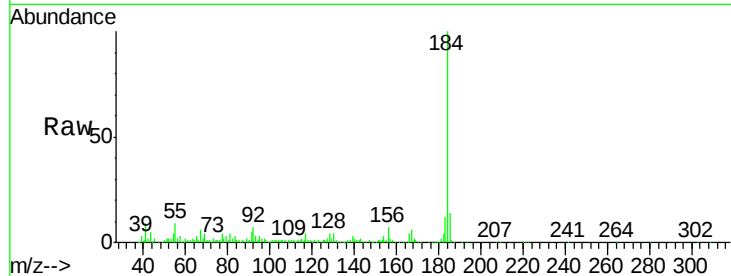
Lab File: BF086926.D

Acq: 12 May 2016 11:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 407758

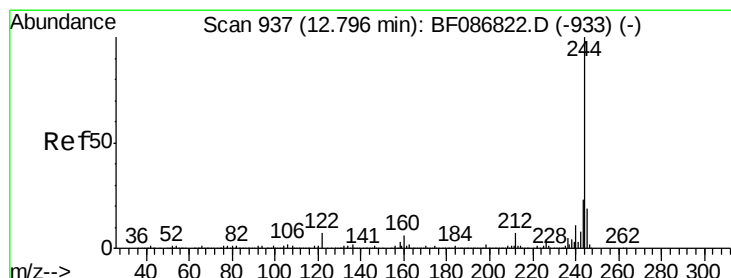
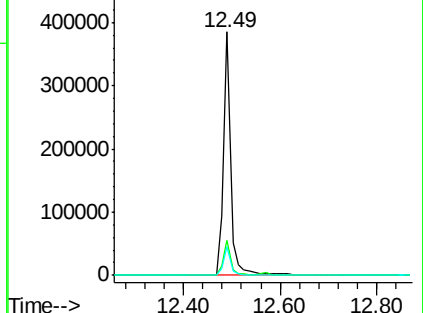
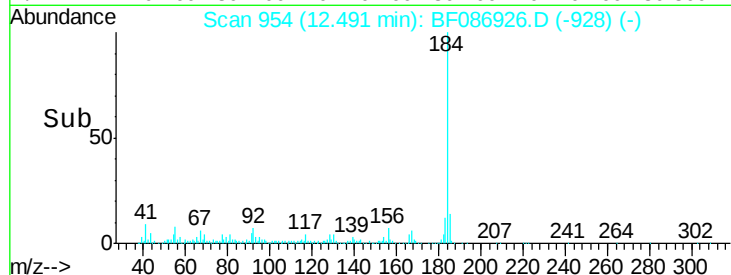
Ion	Ratio	Lower	Upper
184	100		
185	14.4	13.6	20.4
183	11.6	9.8	14.6



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: 0.26 ng

RT: 12.73 min Scan# 975

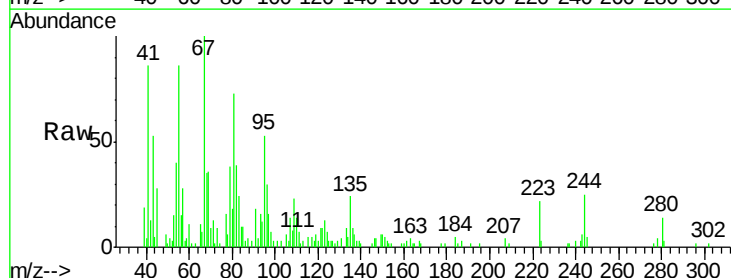
Delta R.T. 0.00 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

Tgt Ion:244 Resp: 4366

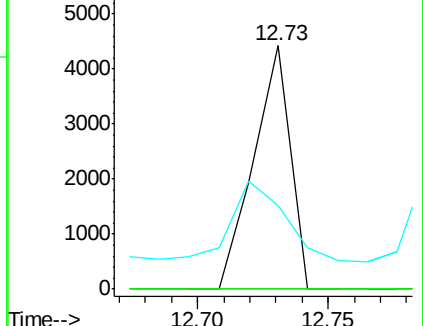
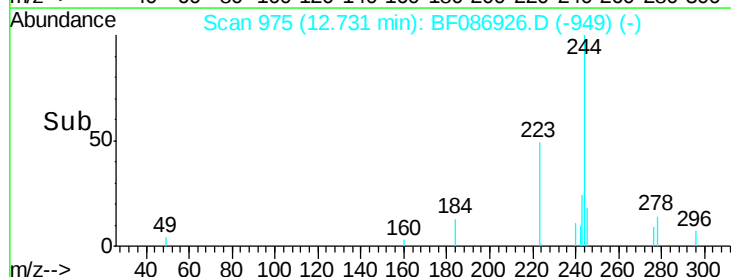
Ion	Ratio	Lower	Upper
244	100		
212	0.0	6.2	9.2#
122	34.4	12.0	18.0#

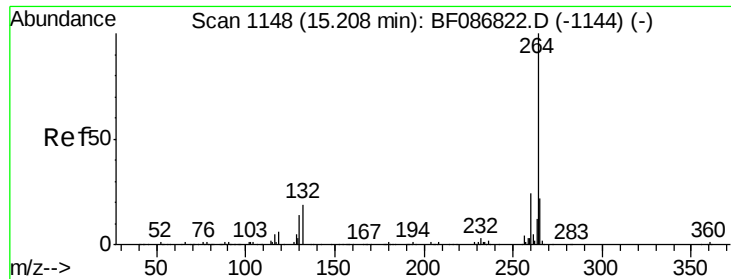


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.13 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF086926.D
Acq: 12 May 2016 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.5	17.3	25.9

