

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051116\
 Data File : BF086921.D
 Acq On : 12 May 2016 8:51
 Operator : UM/SJ
 Sample : PB90419TB
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 12 15:21:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

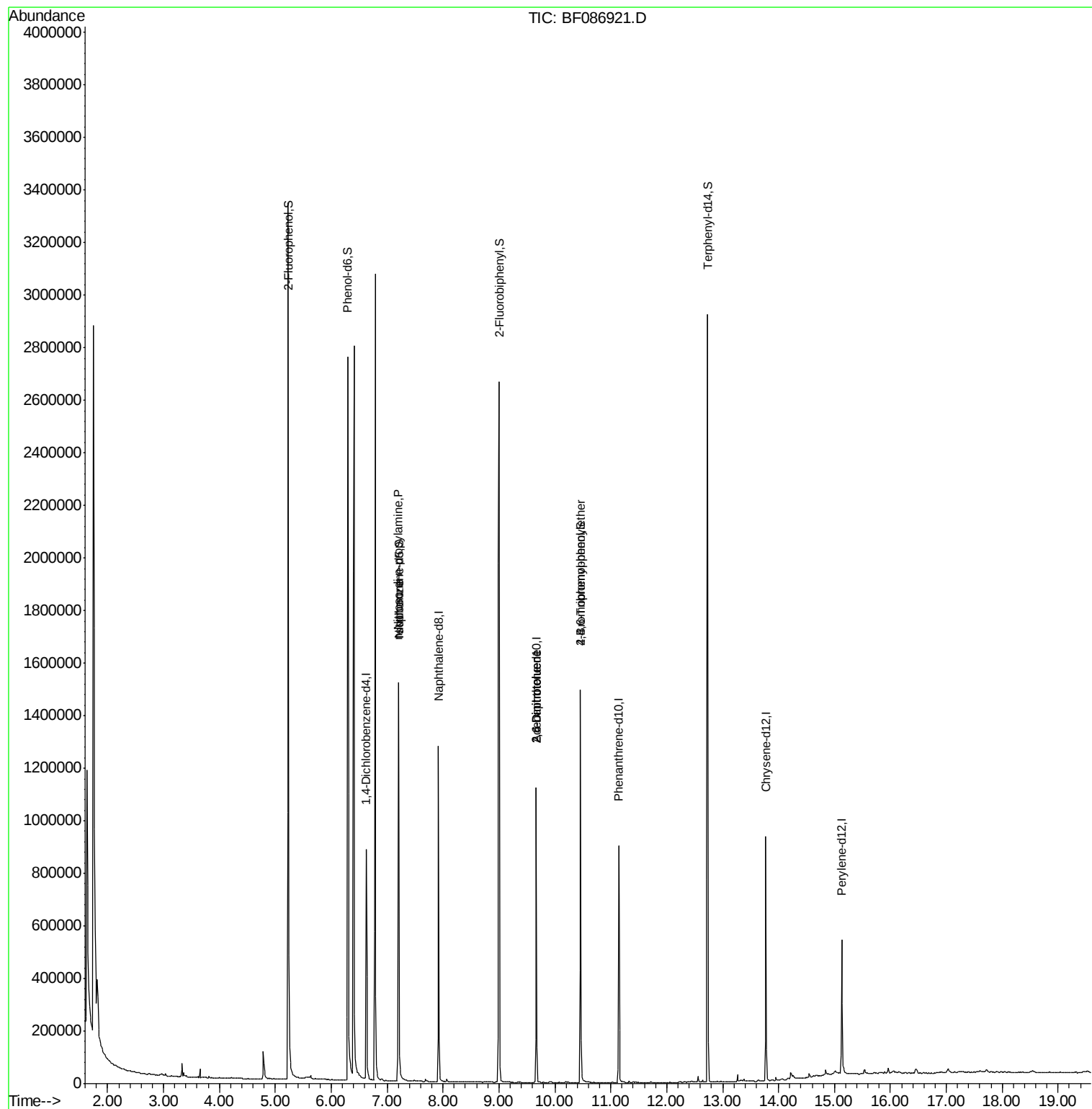
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	131496	20.00	ng	-0.07
21) Naphthalene-d8	7.92	136	516771	20.00	ng	-0.07
38) Acenaphthene-d10	9.67	164	201272	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	308226	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	300992	20.00	ng	-0.07
86) Perylene-d12	15.13	264	223126	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	849503	109.41	ng	-0.05
7) Phenol-d6	6.30	99	974975	93.95	ng	-0.07
23) Nitrobenzene-d5	7.21	82	719414	69.90	ng	-0.05
41) 2,4,6-Tribromophenol	10.46	330	164869	77.37	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	1110034	92.69	ng	-0.05
78) Terphenyl-d14	12.73	244	816858	57.58	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	98265	13.55	ng	# 67
25) Isophorone	7.21	82	694018	36.35	ng	# 68
50) 2,6-Dinitrotoluene	9.67	165	25802	7.98	ng	# 21
56) 2,4-Dinitrotoluene	9.67	165	25803	6.45	ng	# 16
66) 4-Bromophenyl-phenylether	10.46	248	10661	3.41	ng	# 1

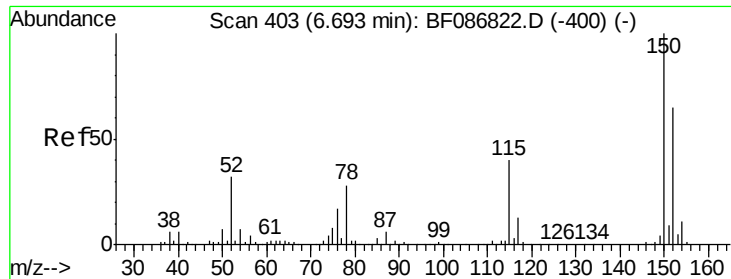
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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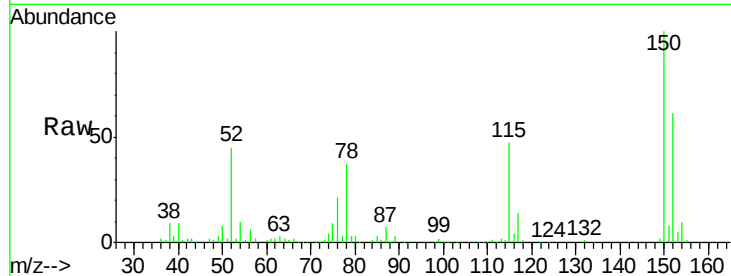


#1

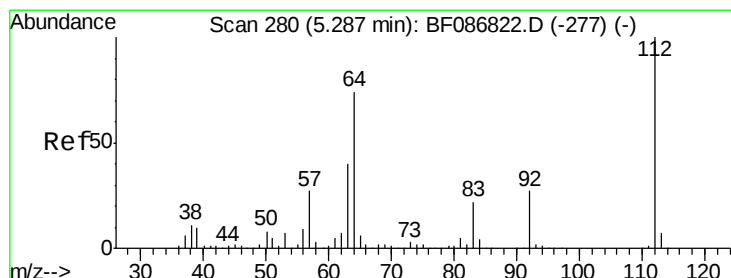
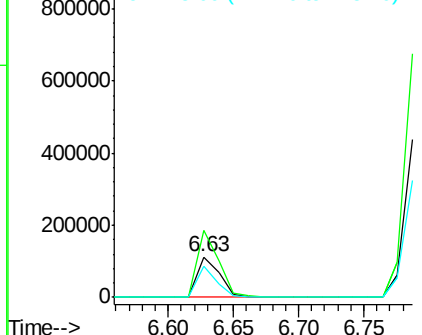
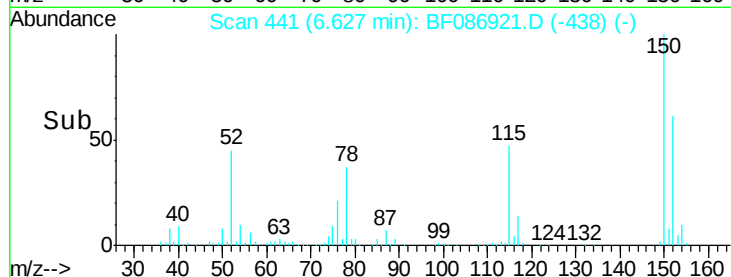
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 441
Delta R.T. -0.07 min
Lab File: BF086921.D
Acq: 12 May 2016 8:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131496
Ion Ratio Lower Upper
152 100
150 164.1 125.8 188.6
115 76.9 51.5 77.3



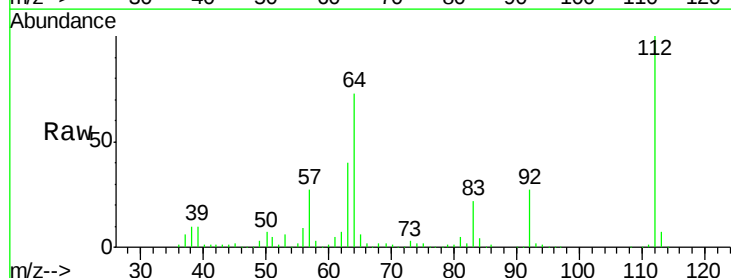
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



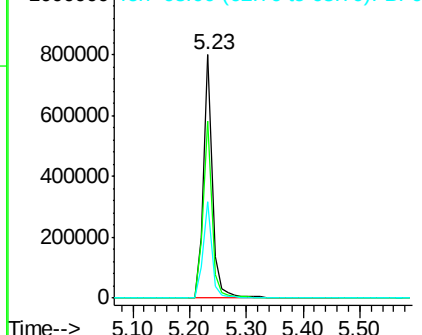
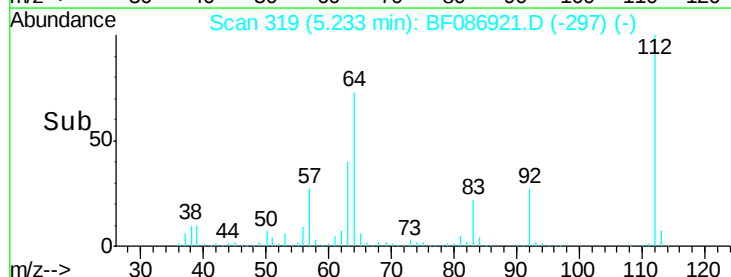
#5

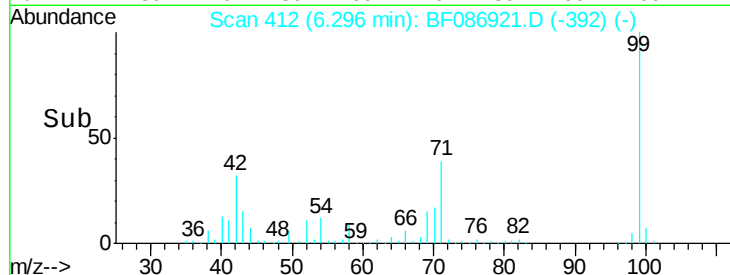
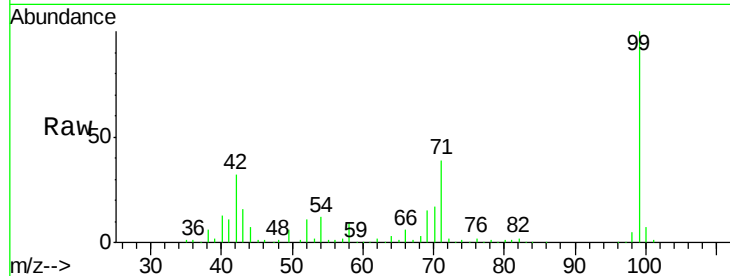
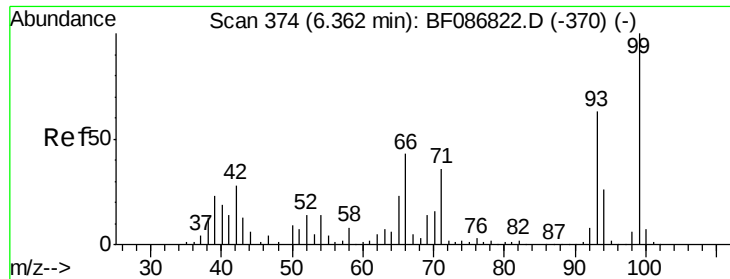
2-Fluorophenol
Concen: 109.41 ng
RT: 5.23 min Scan# 319
Delta R.T. -0.05 min
Lab File: BF086921.D
Acq: 12 May 2016 8:51

Tgt Ion:112 Resp: 849503
Ion Ratio Lower Upper
112 100
64 72.6 52.1 78.1
63 39.6 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: 93.95 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.07 min

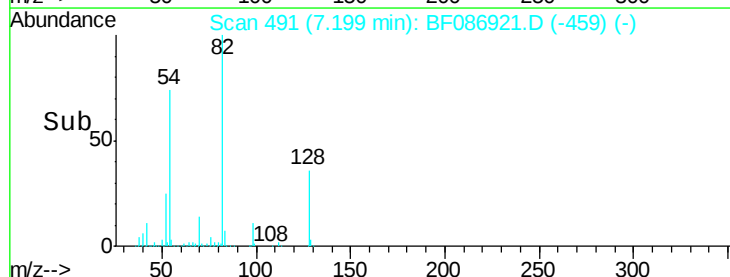
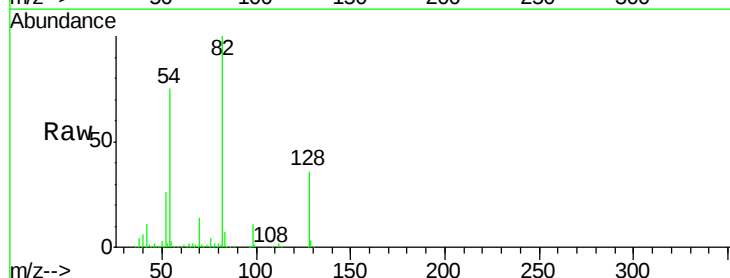
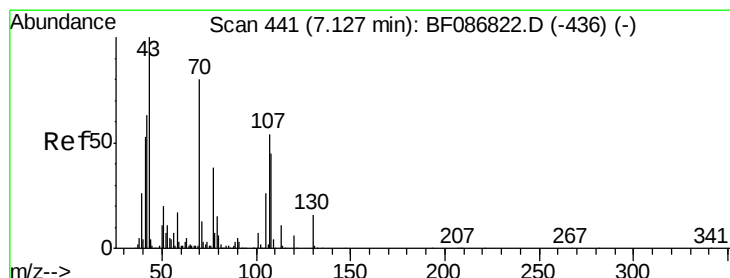
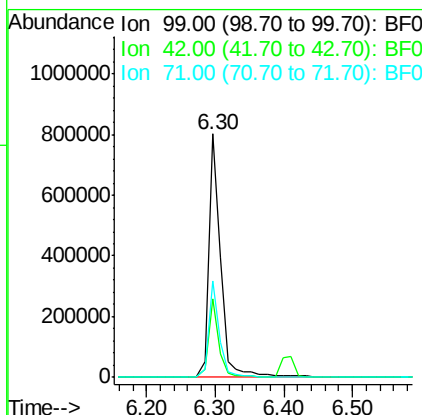
Lab File: BF086921.D

Acq: 12 May 2016 8:51

Instrument :
BNA_F
ClientSampled :

Tot Ion: 99 Resp: 974975

Ion	Ratio	Lower	Upper
99	100		
42	32.1	13.6	20.4#
71	39.5	24.6	36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 13.55 ng

RT: 7.20 min Scan# 491

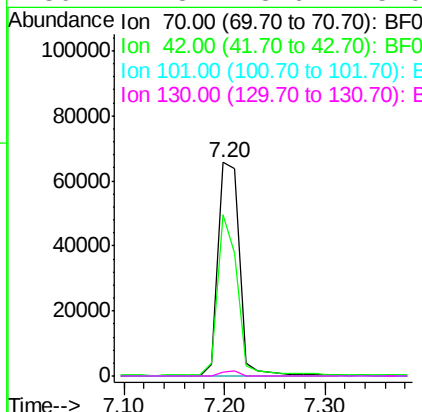
Delta R.T. 0.07 min

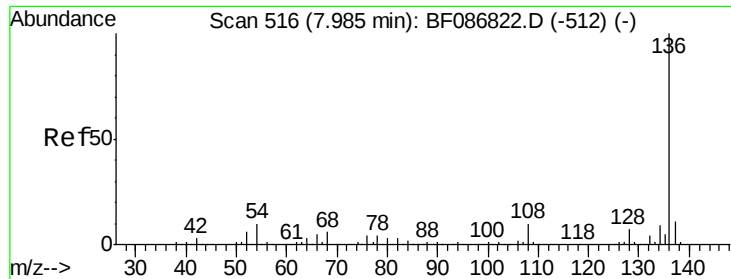
Lab File: BF086921.D

Acq: 12 May 2016 8:51

Tgt Ion: 70 Resp: 98265

Ion	Ratio	Lower	Upper
70	100		
42	75.3	43.1	64.7#
101	0.0	8.1	12.1#
130	1.8	18.6	28.0#

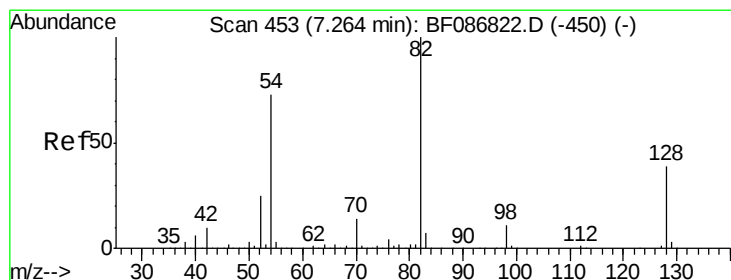
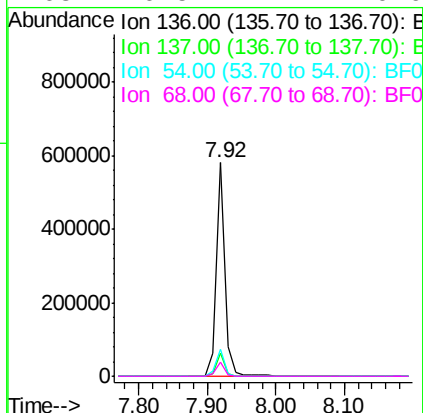
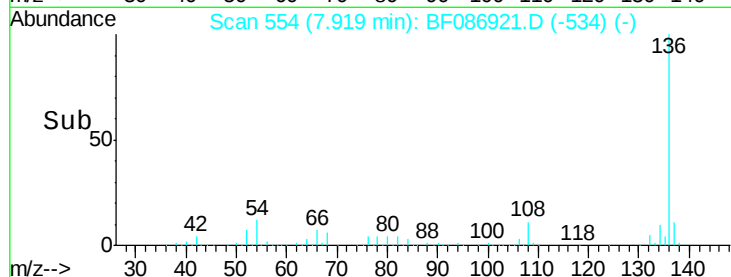
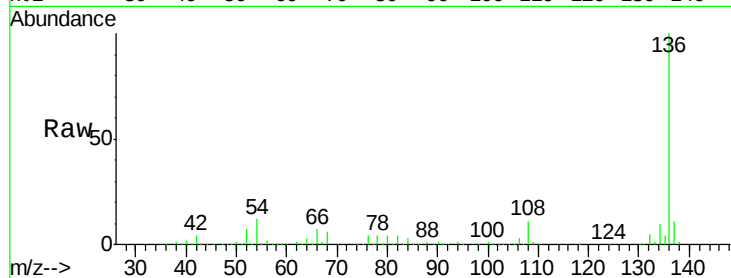




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.07 min
Lab File: BF086921.D
Acq: 12 May 2016 8:51

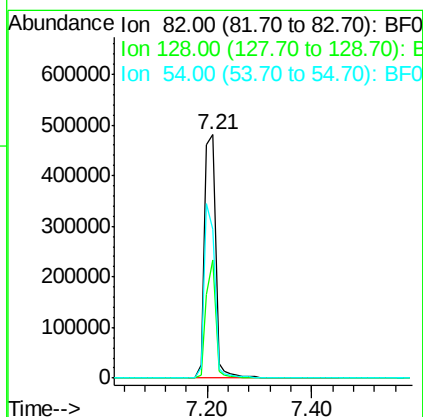
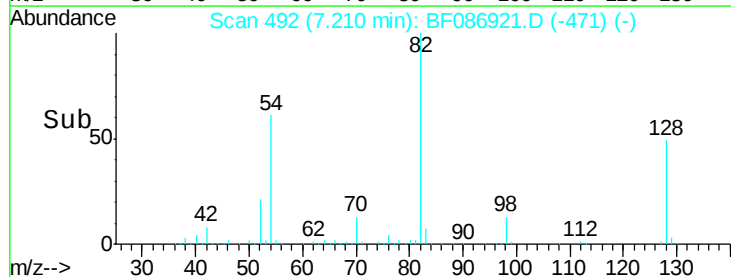
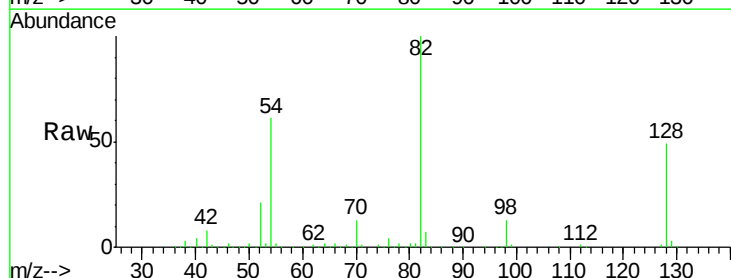
Instrument :
BNA_F
ClientSampleId :

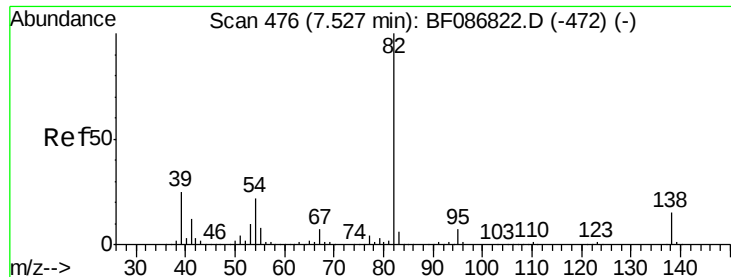
Tot Ion:	136	Resp:	516771
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	12.3	5.0	7.4#
68	6.5	4.4	6.6



#23
Nitrobenzene-d5
Concen: 69.90 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.05 min
Lab File: BF086921.D
Acq: 12 May 2016 8:51

Tgt Ion:	82	Resp:	719414
Ion	Ratio	Lower	Upper
82	100		
128	48.6	40.6	61.0
54	60.9	38.1	57.1#





#25

Isophorone

Concen: 36.35 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.32 min

Lab File: BF086921.D

Acq: 12 May 2016 8:51

Instrument :

BNA_F

ClientSampleId :

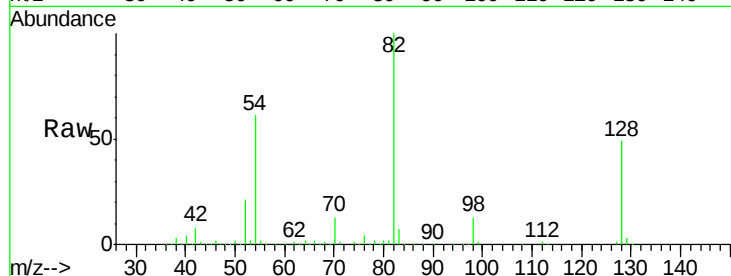
Tot Ion: 82 Resp: 694018

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

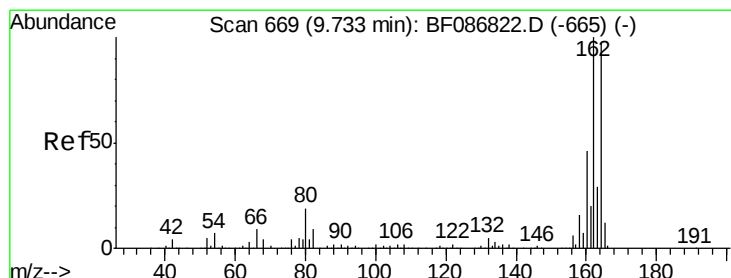
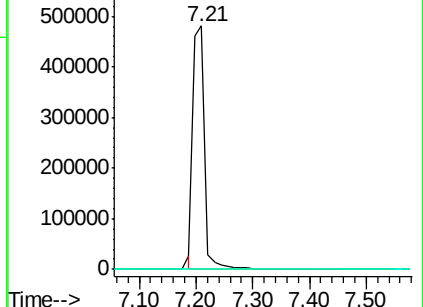
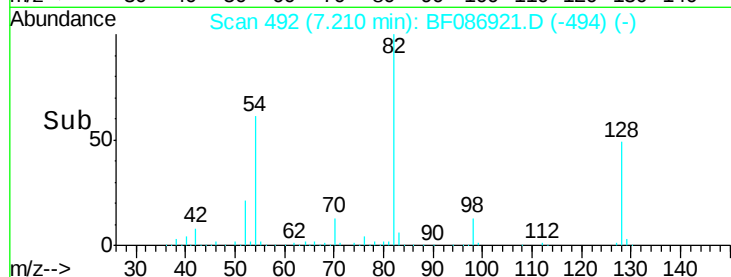
138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF086921.D (-492) (-)

Ion 95.00 (94.70 to 95.70): BF086921.D (-492) (-)

Ion 138.00 (137.70 to 138.70): BF086921.D (-492) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.07 min

Lab File: BF086921.D

Acq: 12 May 2016 8:51

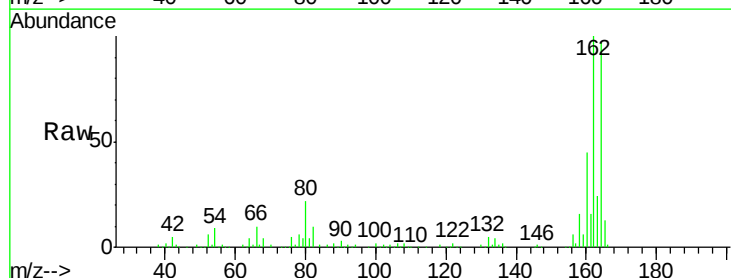
Tgt Ion: 164 Resp: 201272

Ion Ratio Lower Upper

164 100

162 102.9 82.8 124.2

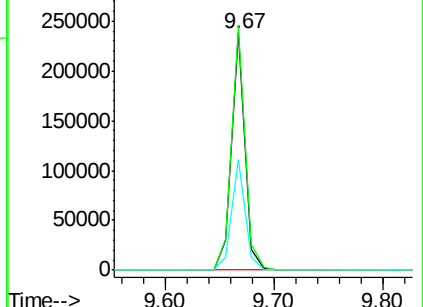
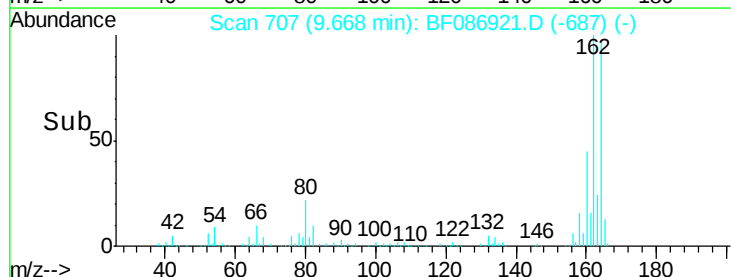
160 46.5 36.9 55.3

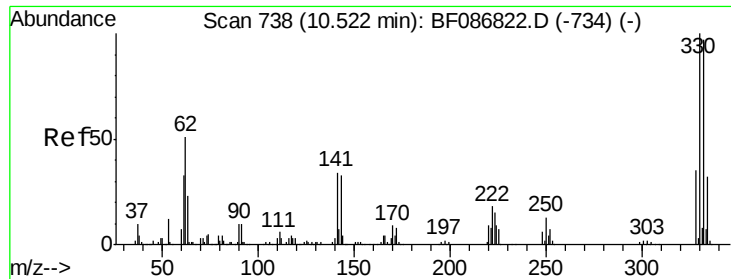


Abundance Ion 164.00 (163.70 to 164.70): BF086921.D (-687) (-)

Ion 162.00 (161.70 to 162.70): BF086921.D (-687) (-)

Ion 160.00 (159.70 to 160.70): BF086921.D (-687) (-)

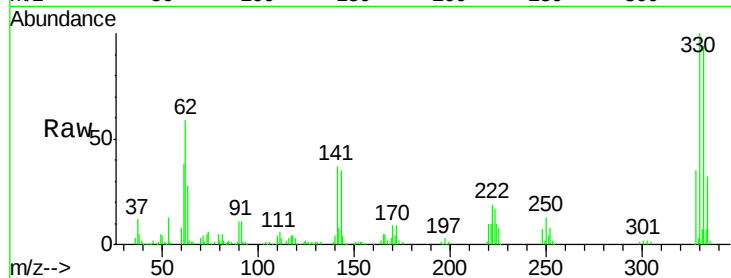




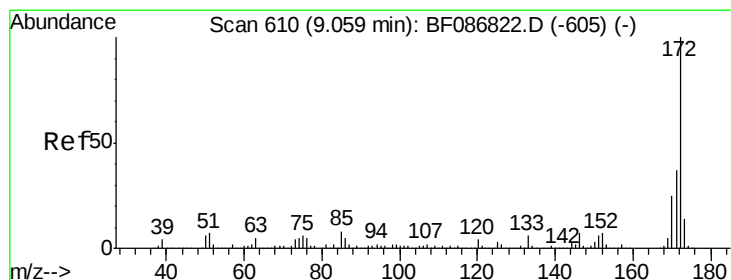
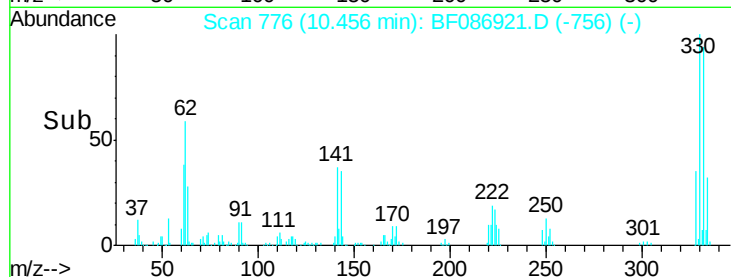
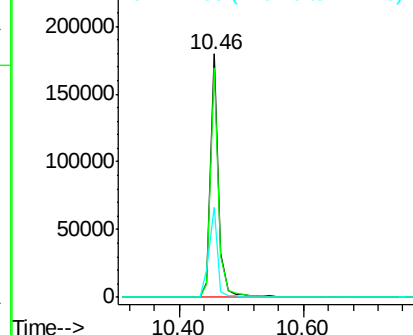
#41
 2,4,6-Tribromophenol
 Concen: 77.37 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.07 min
 Lab File: BF086921.D
 Acq: 12 May 2016 8:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	79.0	118.4
141	39.8	31.2	46.8

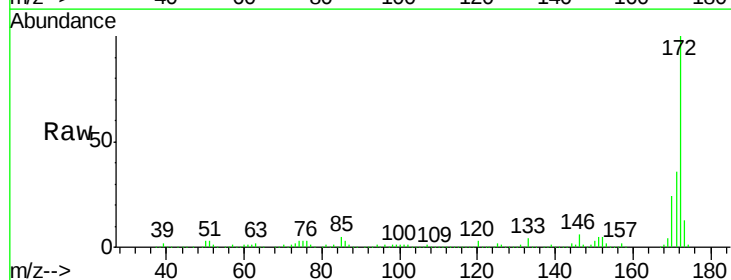


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

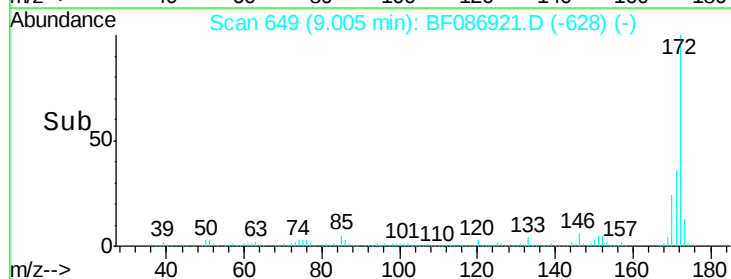
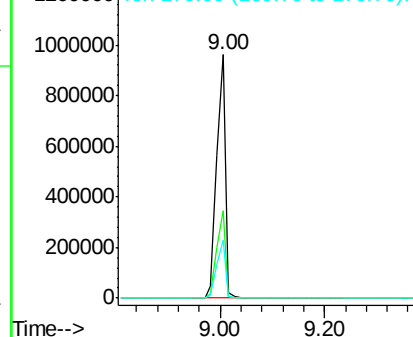


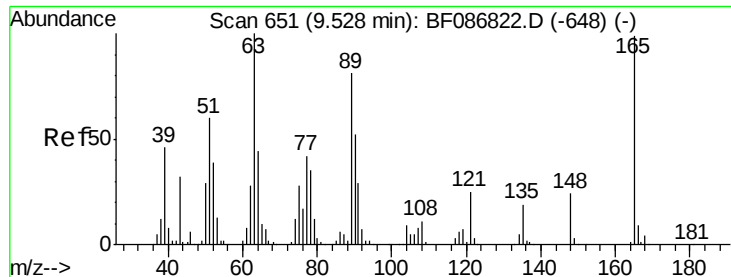
#44
 2-Fluorobiphenyl
 Concen: 92.69 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.05 min
 Lab File: BF086921.D
 Acq: 12 May 2016 8:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.6
170	23.9	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

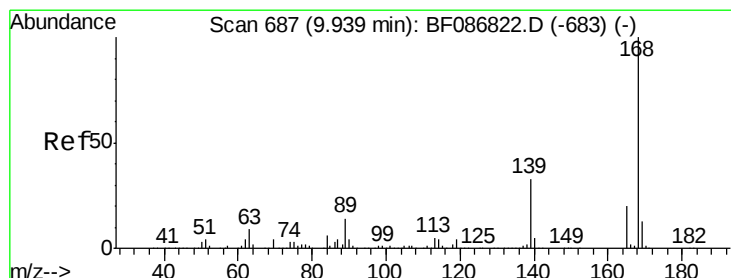
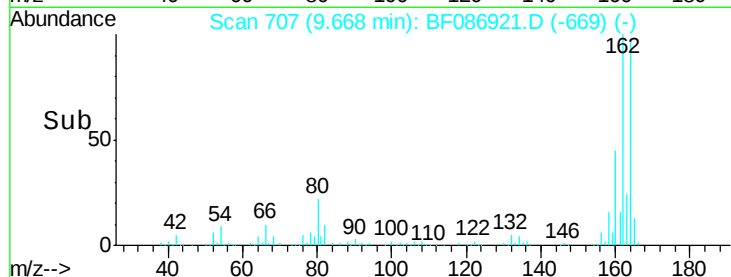
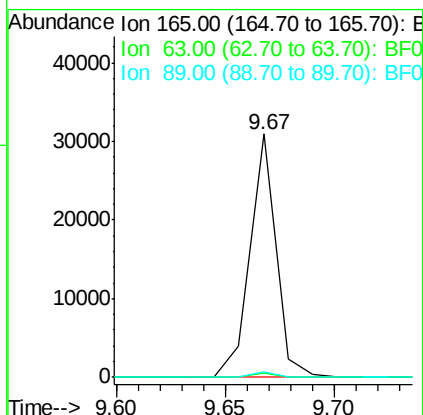
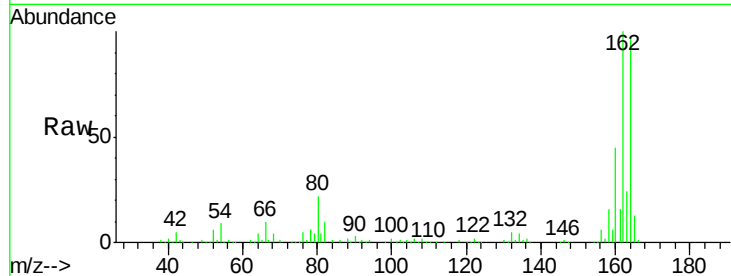




#50
2,6-Dinitrotoluene
Concen: 7.98 ng
RT: 9.67 min Scan# 707
Delta R.T. 0.14 min
Lab File: BF086921.D
Acq: 12 May 2016 8:51

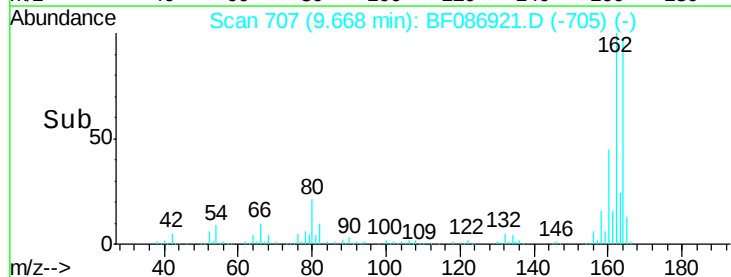
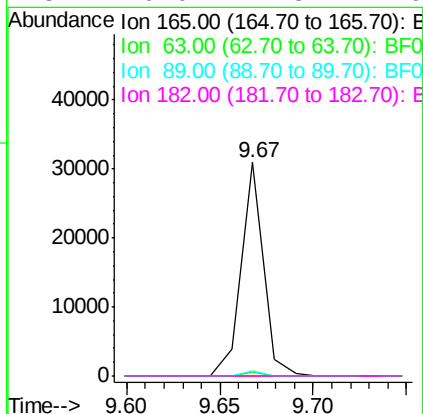
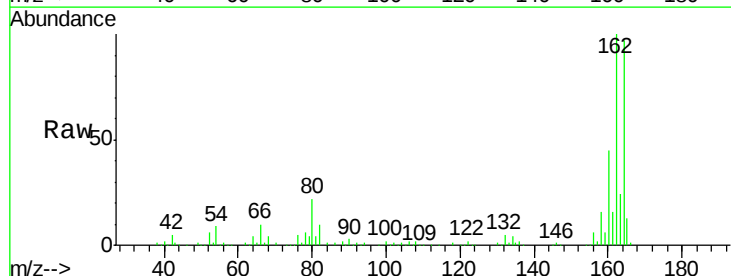
Instrument :
BNA_F
ClientSampleId :

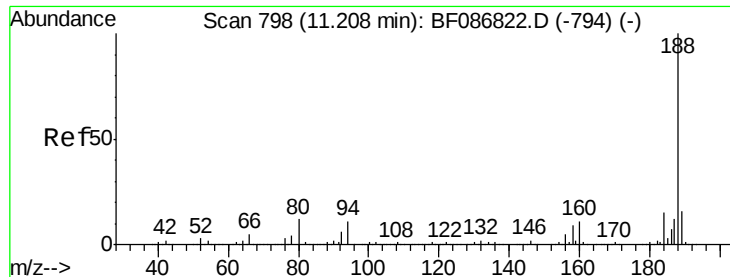
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	51.8	77.8#
89	2.1	50.7	76.1#



#56
2,4-Dinitrotoluene
Concen: 6.45 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.27 min
Lab File: BF086921.D
Acq: 12 May 2016 8:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.3	66.5#
89	2.1	70.0	105.0#
182	0.0	1.8	2.6#

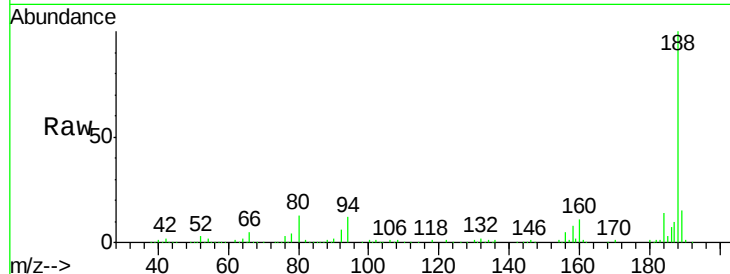




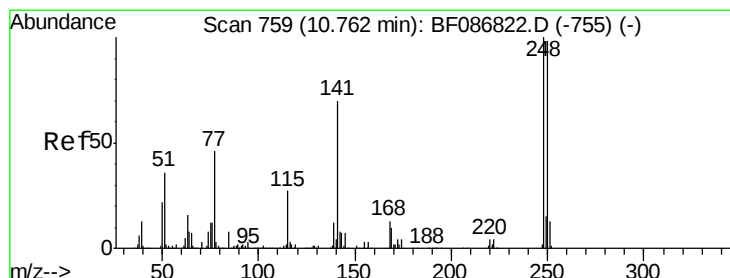
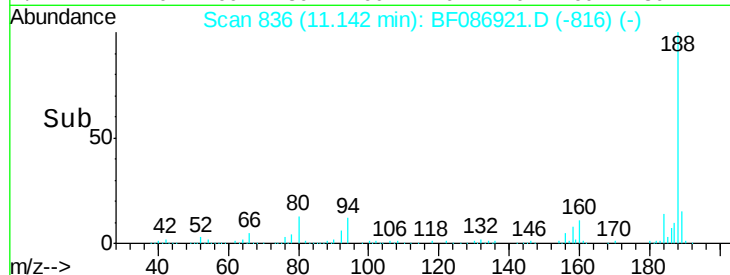
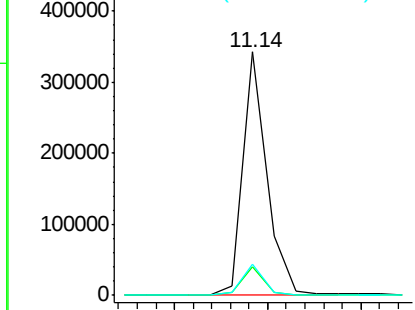
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 836
 Delta R.T. -0.07 min
 Lab File: BF086921.D
 Acq: 12 May 2016 8:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 308226
 Ion Ratio Lower Upper
 188 100
 94 11.7 6.8 10.2#
 80 12.9 7.1 10.7#

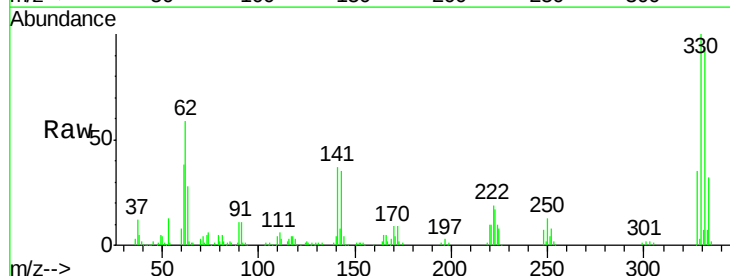


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

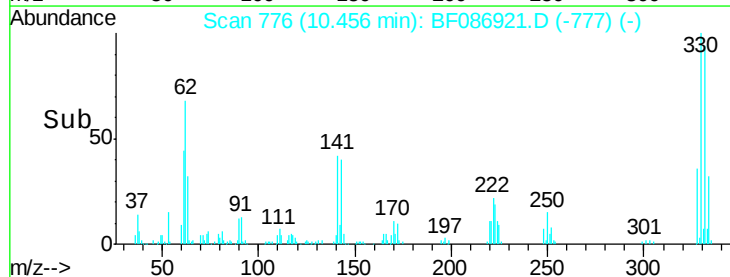
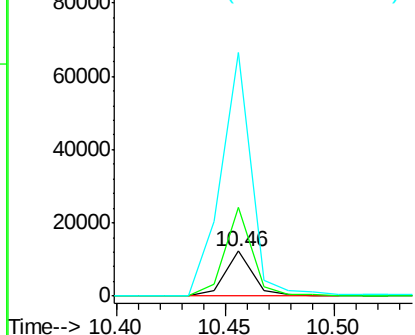


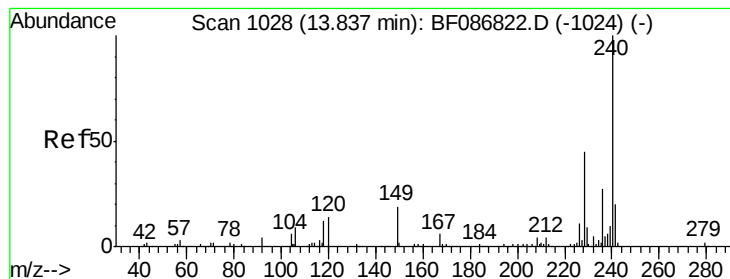
#66
 4-Bromophenyl-phenylether
 Concen: 3.41 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.31 min
 Lab File: BF086921.D
 Acq: 12 May 2016 8:51

Tgt Ion:248 Resp: 10661
 Ion Ratio Lower Upper
 248 100
 250 197.8 78.6 117.8#
 141 545.1 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: 13.77 min Scan# 1066

Delta R.T. -0.07 min

Lab File: BF086921.D

Acq: 12 May 2016 8:51

Instrument :

BNA_F

ClientSampleId :

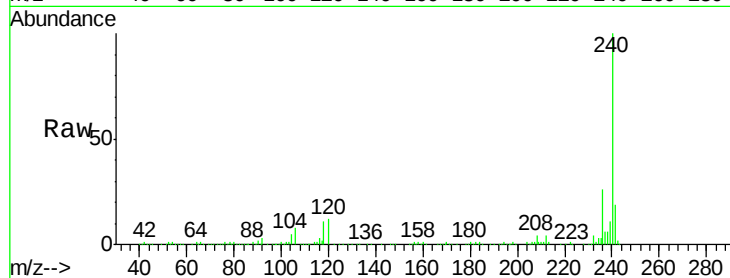
Tot Ion:240 Resp: 300992

Ion Ratio Lower Upper

240 100

120 12.3 11.2 16.8

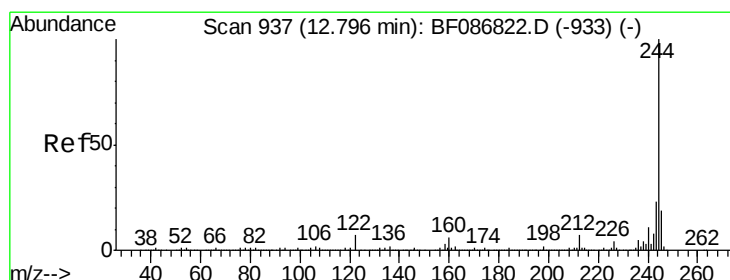
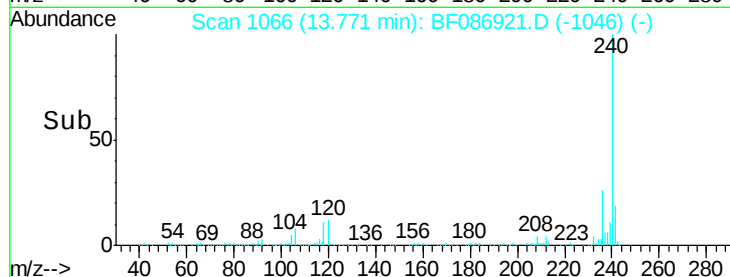
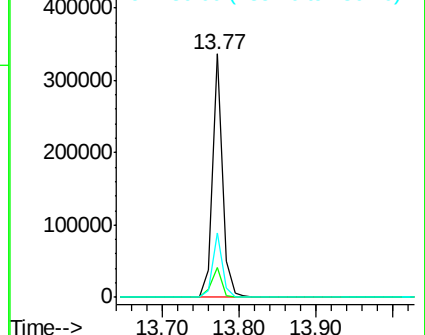
236 26.3 21.2 31.8



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



#78

Terphenyl-d14

Concen: 57.58 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.07 min

Lab File: BF086921.D

Acq: 12 May 2016 8:51

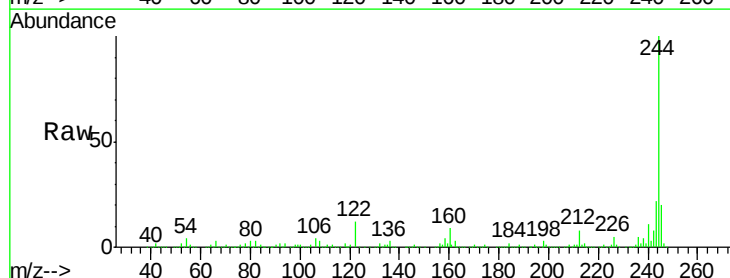
Tgt Ion:244 Resp: 816858

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

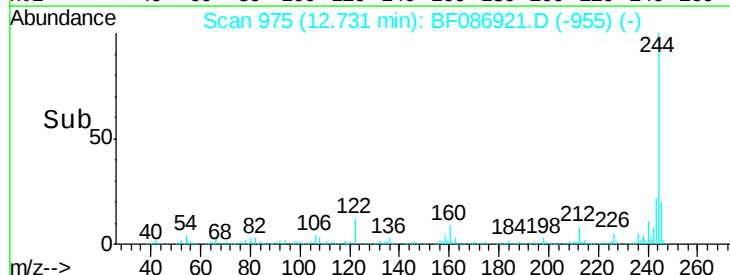
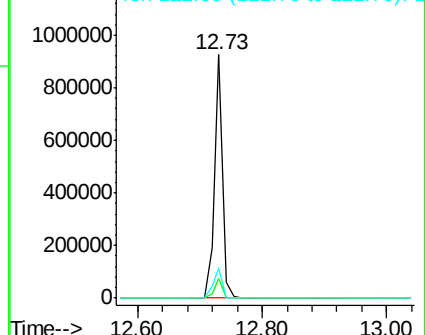
122 12.4 12.0 18.0

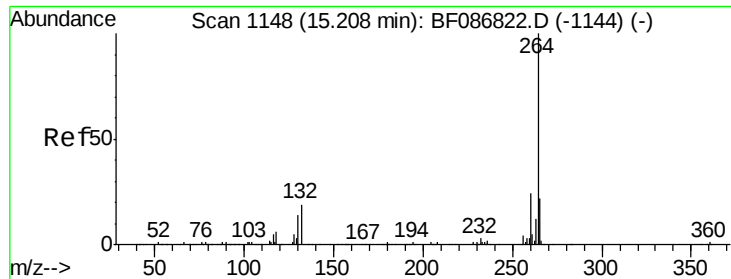


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

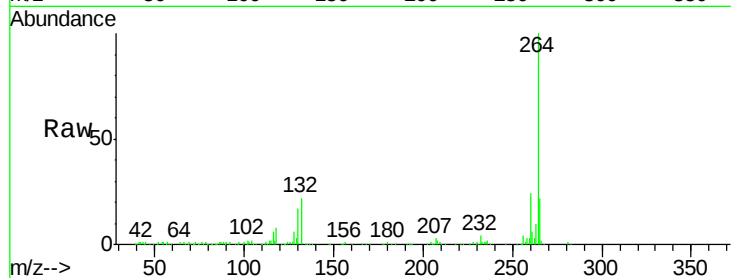




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.08 min
Lab File: BF086921.D
Acq: 12 May 2016 8:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.0	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

