

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051916\
 Data File : BF087186.D
 Acq On : 19 May 2016 14:03
 Operator : UM/SJ
 Sample : PB90666BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 18:10:51 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

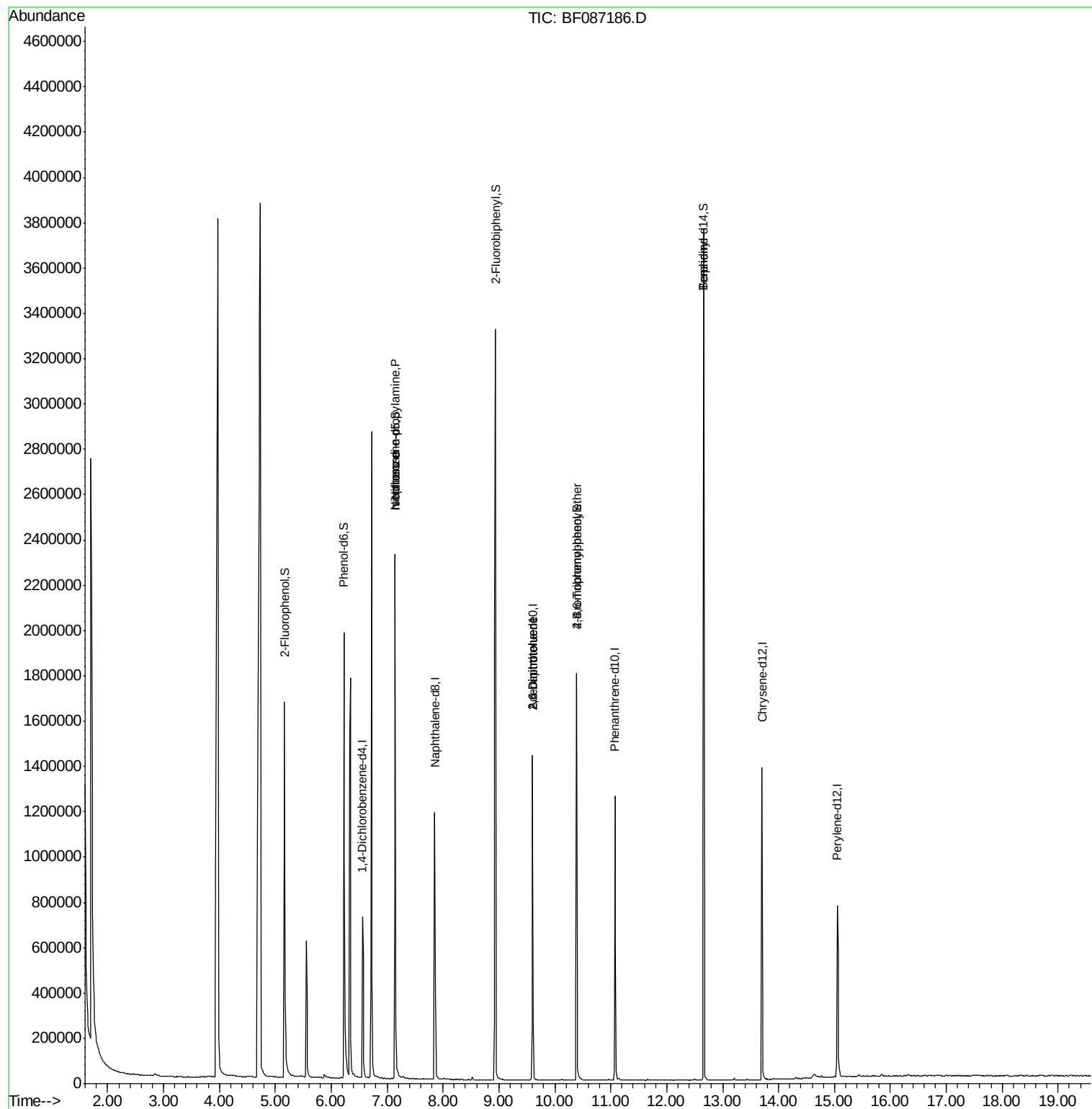
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	136900	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	560281	20.00	ng	-0.05
38) Acenaphthene-d10	9.60	164	278782	20.00	ng	-0.05
63) Phenanthrene-d10	11.07	188	516283	20.00	ng	-0.05
75) Chrysene-d12	13.70	240	458501	20.00	ng	-0.06
86) Perylene-d12	15.05	264	370828	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	584606	71.78	ng	-0.03
7) Phenol-d6	6.23	99	741999	67.93	ng	-0.06
23) Nitrobenzene-d5	7.14	82	774867	68.93	ng	-0.05
41) 2,4,6-Tribromophenol	10.39	330	197182	64.01	ng	-0.06
44) 2-Fluorobiphenyl	8.94	172	1261626	74.95	ng	-0.05
78) Terphenyl-d14	12.66	244	1147490	56.61	ng	-0.05
Target Compounds						
9) Benzaldehyde	6.18	77	528	Below Cal	#	44
19) n-Nitroso-di-n-propylamine	7.14	70	109559	13.19	ng	# 75
25) Isophorone	7.14	82	589487	28.64	ng	# 68
50) 2,6-Dinitrotoluene	9.60	165	35363	7.66	ng	# 21
56) 2,4-Dinitrotoluene	9.60	165	35363	5.98	ng	# 16
66) 4-Bromophenyl-phenylether	10.39	248	12318	2.32	ng	# 1
76) Benizidine	12.66	184	18369	2.03	ng	97

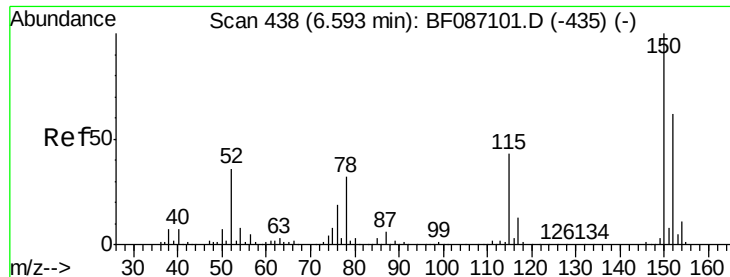
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF087186.D

Acq: 19 May 2016 14:03

Instrument :

BNA_F

ClientSampleId :

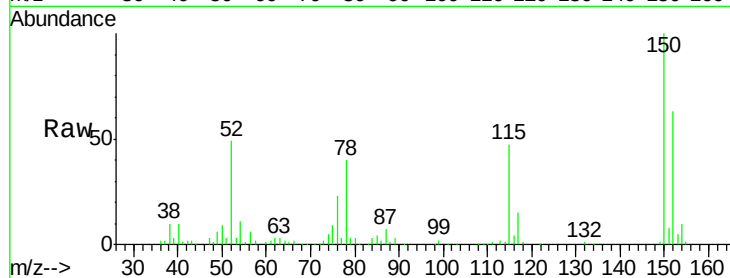
Tot Ion:152 Resp: 136900

Ion Ratio Lower Upper

152 100

150 159.1 125.8 188.6

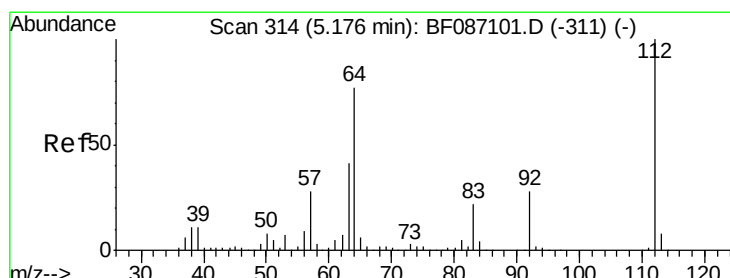
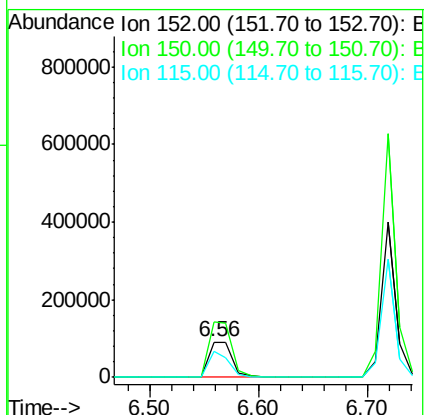
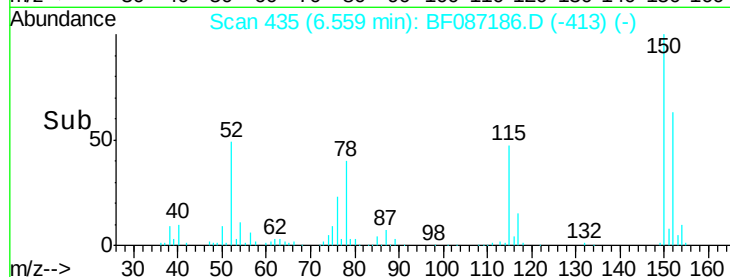
115 75.2 51.5 77.3



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: 71.78 ng

RT: 5.16 min Scan# 313

Delta R.T. -0.03 min

Lab File: BF087186.D

Acq: 19 May 2016 14:03

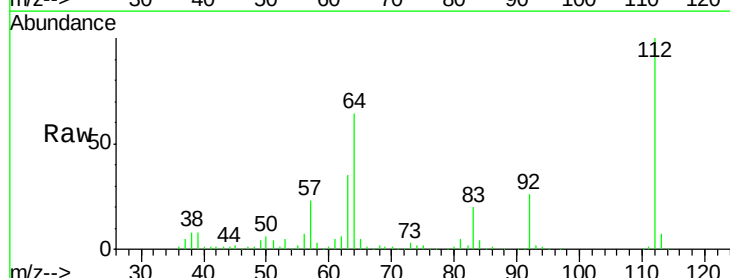
Tgt Ion:112 Resp: 584606

Ion Ratio Lower Upper

112 100

64 64.3 52.1 78.1

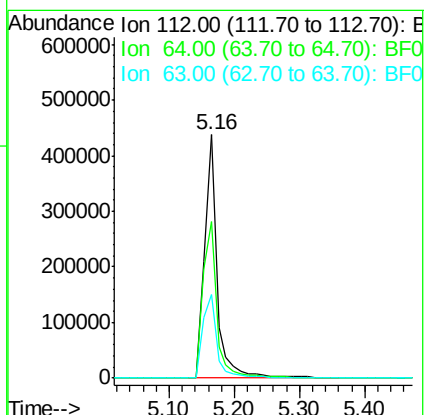
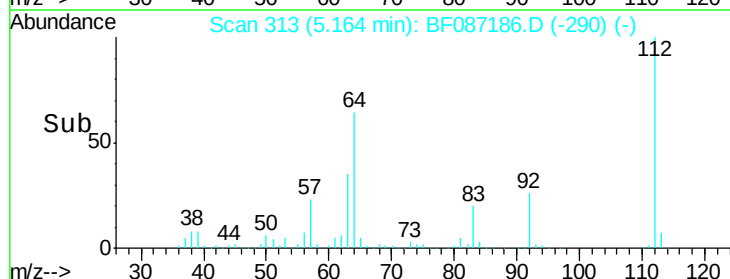
63 34.5 25.7 38.5

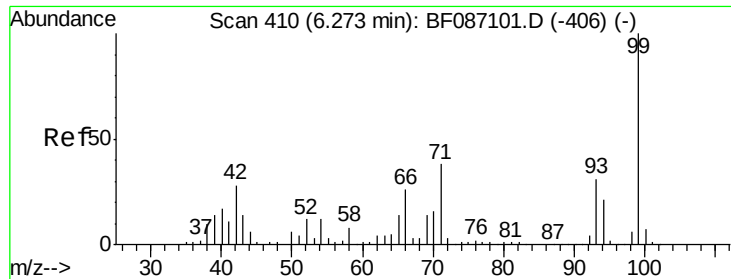


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 67.93 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF087186.D

Acq: 19 May 2016 14:03

Instrument :

BNA_F

ClientSampled :

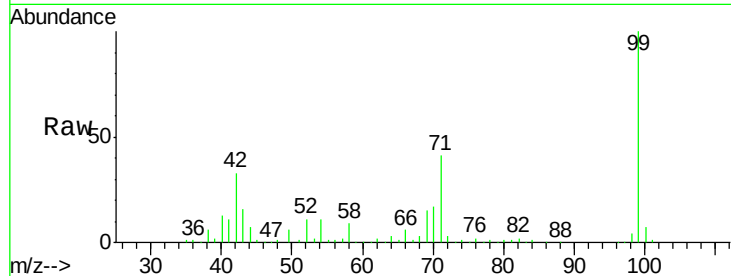
Tot Ion: 99 Resp: 741999

Ion Ratio Lower Upper

99 100

42 32.6 13.6 20.4#

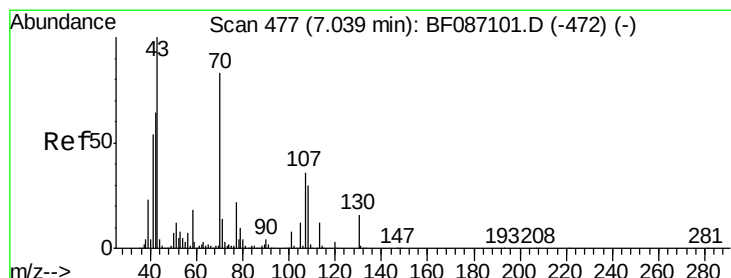
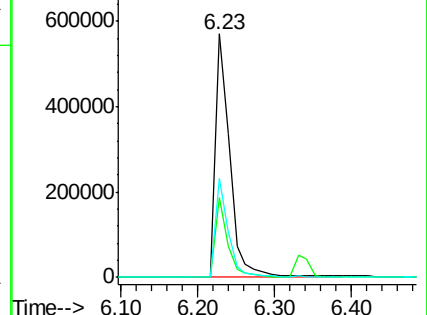
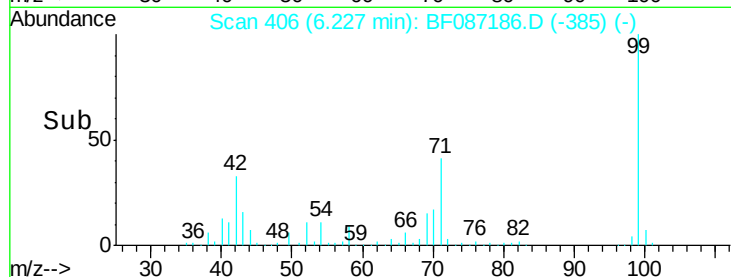
71 40.5 24.6 36.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.19 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.09 min

Lab File: BF087186.D

Acq: 19 May 2016 14:03

Tgt Ion: 70 Resp: 109559

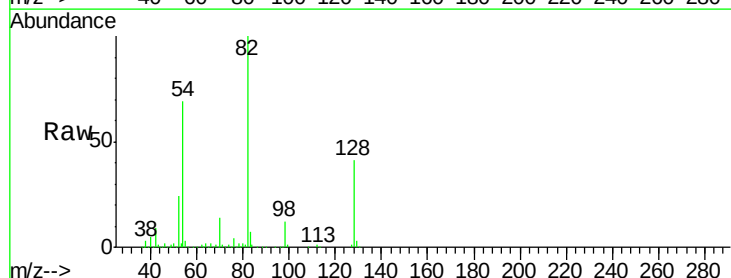
Ion Ratio Lower Upper

70 100

42 65.3 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

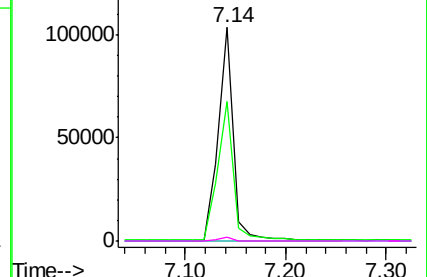
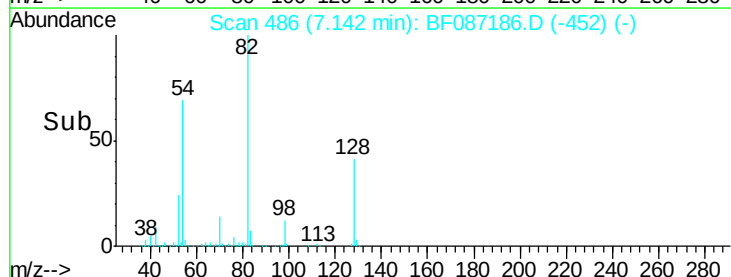


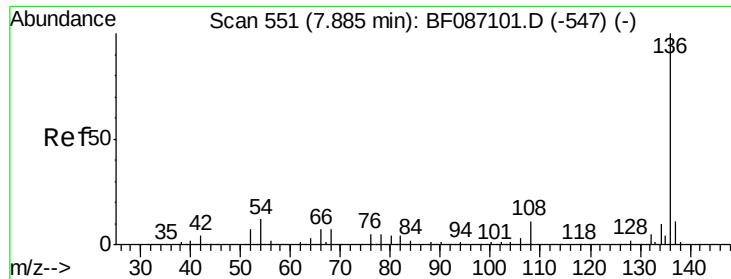
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

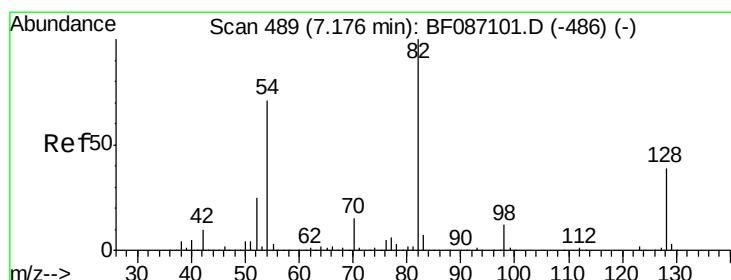
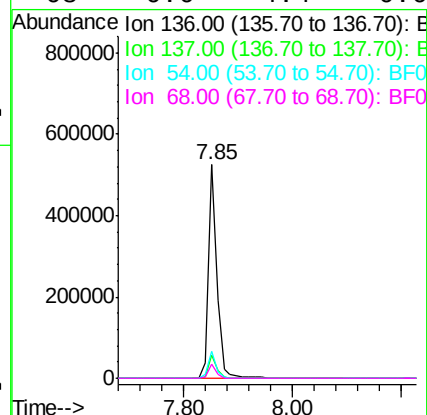
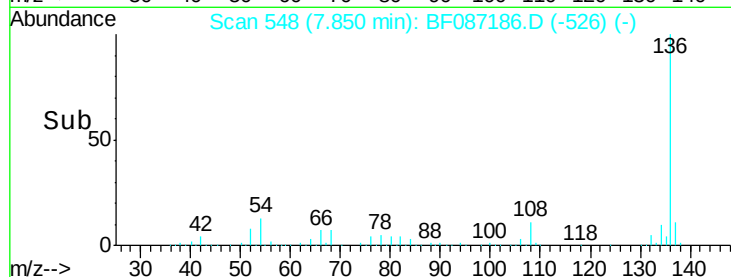
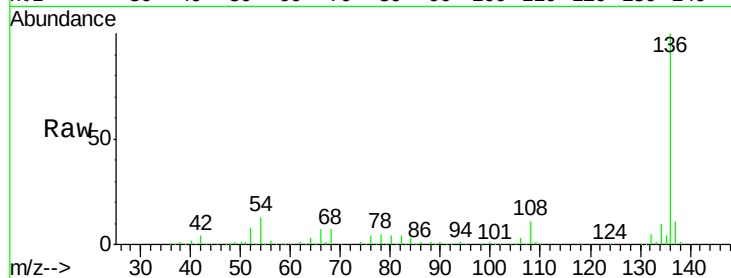




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF087186.D
Acq: 19 May 2016 14:03

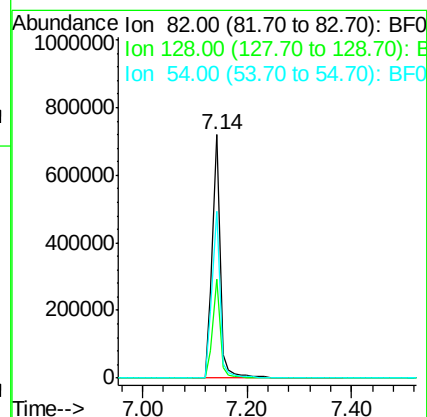
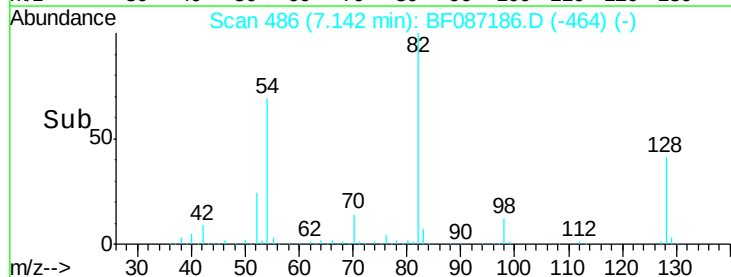
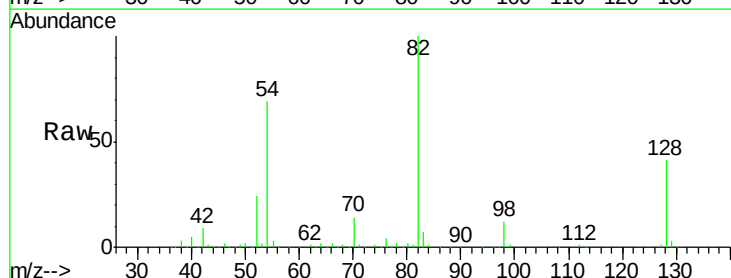
Instrument :
BNA_F
ClientSampleId :

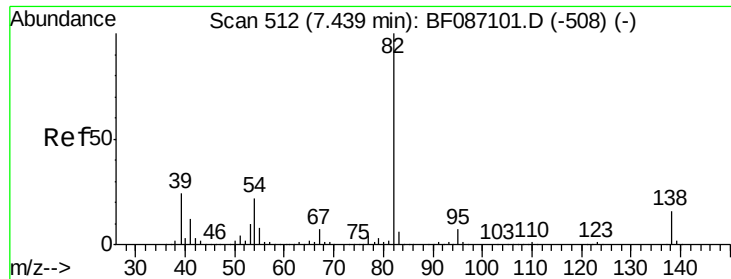
Tot Ion:136	Resp:	560281
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.8	13.2
54 12.7	5.0	7.4#
68 6.6	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 68.93 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.05 min
Lab File: BF087186.D
Acq: 19 May 2016 14:03

Tgt Ion: 82	Resp:	774867
Ion Ratio	Lower	Upper
82 100		
128 40.6	40.6	61.0#
54 68.6	38.1	57.1#





#25

Isophorone

Concen: 28.64 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.31 min

Lab File: BF087186.D

Acq: 19 May 2016 14:03

Instrument :

BNA_F

ClientSampled :

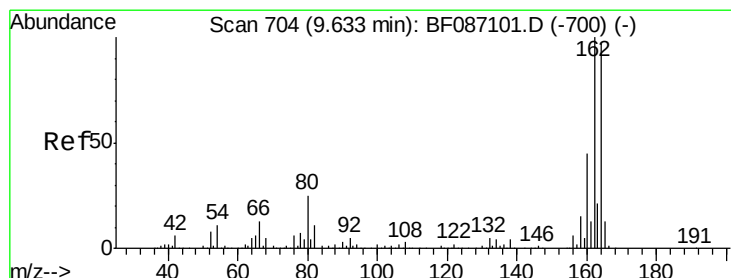
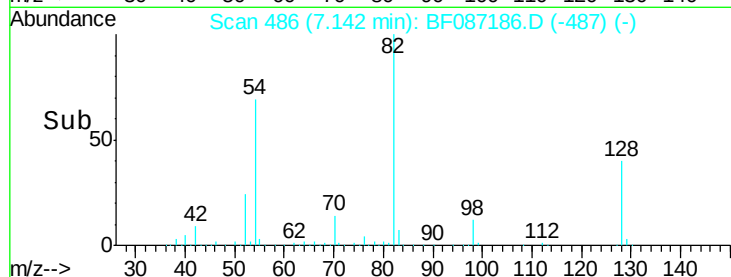
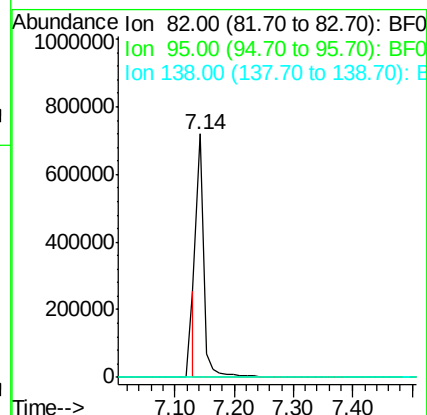
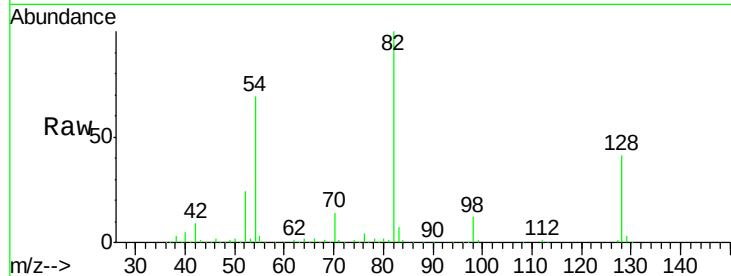
Tot Ion: 82 Resp: 589487

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: BF087186.D

Acq: 19 May 2016 14:03

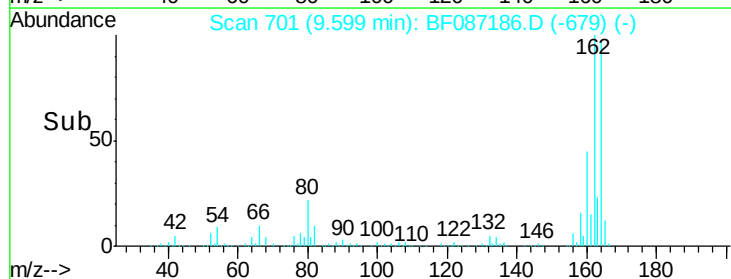
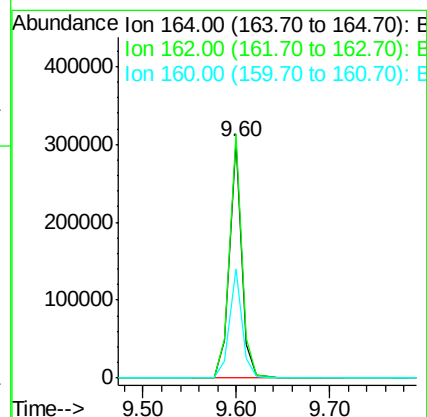
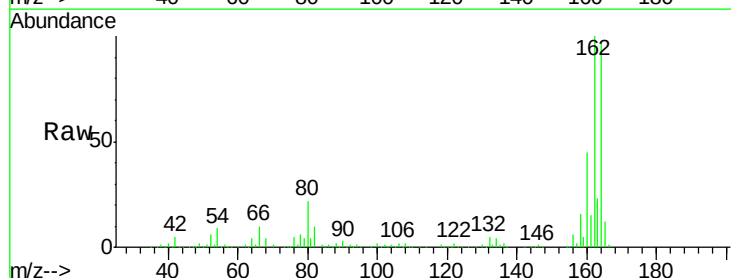
Tgt Ion: 164 Resp: 278782

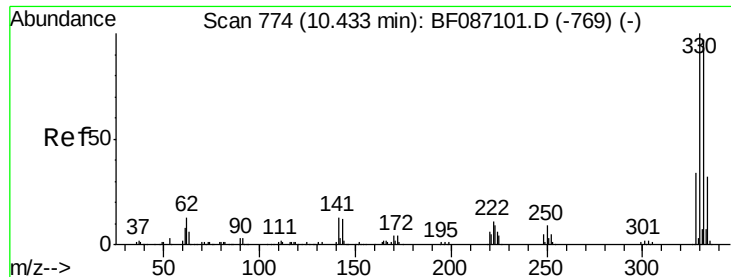
Ion Ratio Lower Upper

164 100

162 102.8 82.8 124.2

160 46.3 36.9 55.3

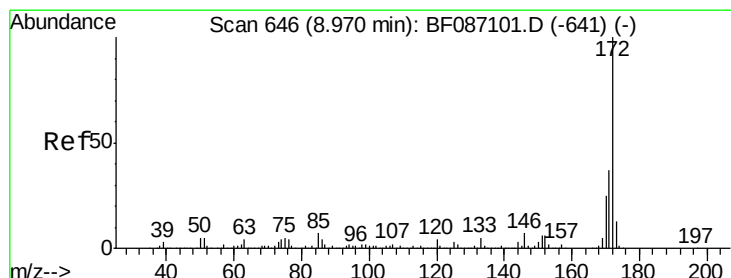
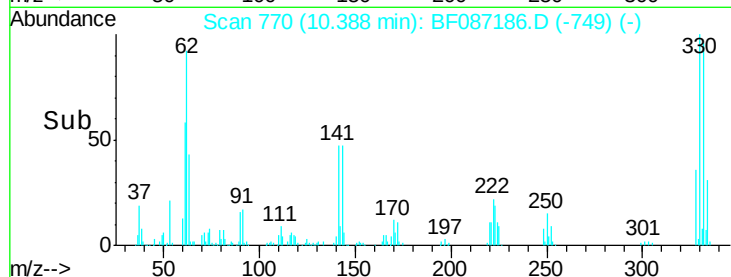
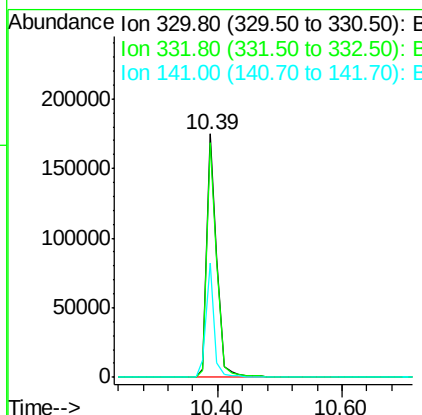
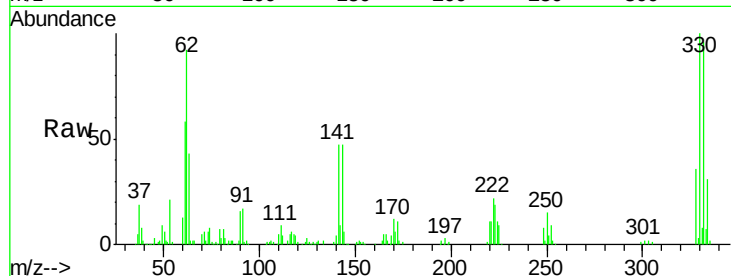




#41
 2,4,6-Tribromophenol
 Concen: 64.01 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.06 min
 Lab File: BF087186.D
 Acq: 19 May 2016 14:03

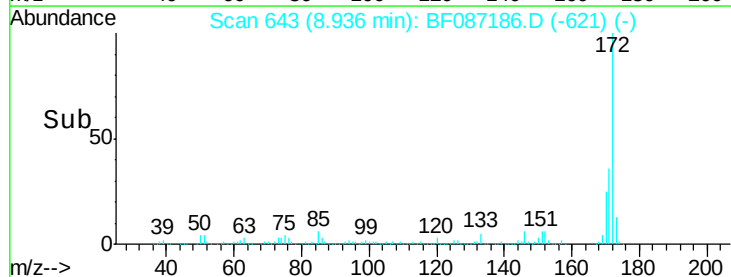
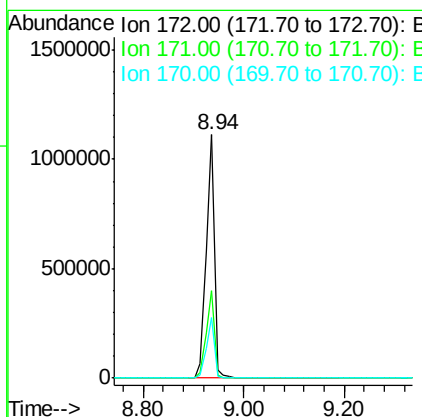
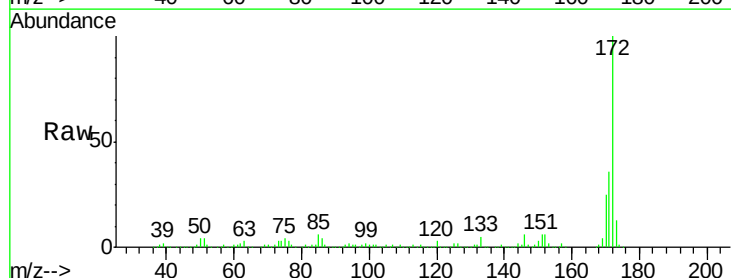
Instrument :
 BNA_F
 ClientSampleId :

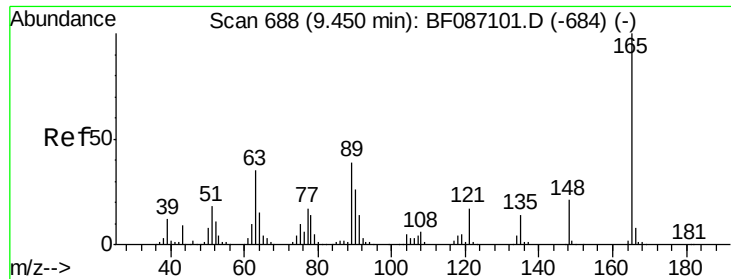
Tot Ion:330 Resp: 197182
 Ion Ratio Lower Upper
 330 100
 332 96.1 79.0 118.4
 141 38.5 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 74.95 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.05 min
 Lab File: BF087186.D
 Acq: 19 May 2016 14:03

Tgt Ion:172 Resp: 1261626
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.6
 170 24.7 19.8 29.8

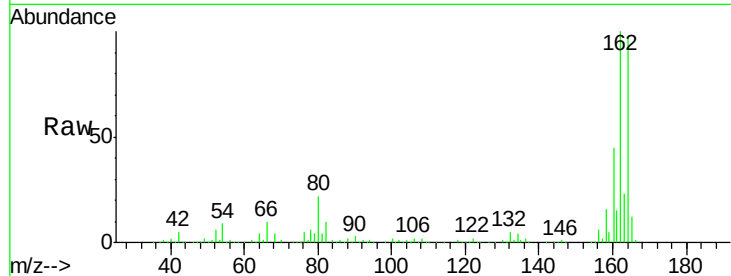




#50
 2,6-Dinitrotoluene
 Concen: 7.66 ng
 RT: 9.60 min Scan# 701
 Delta R.T. 0.14 min
 Lab File: BF087186.D
 Acq: 19 May 2016 14:03

Instrument :
 BNA_F
 ClientSampleId :

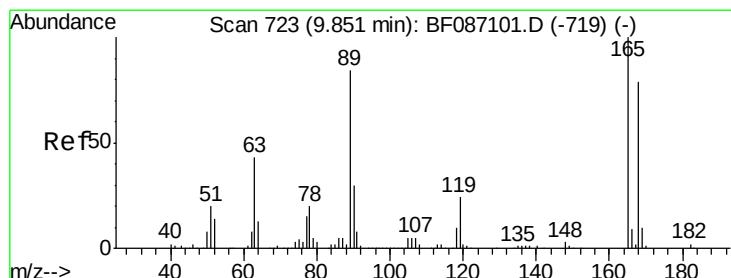
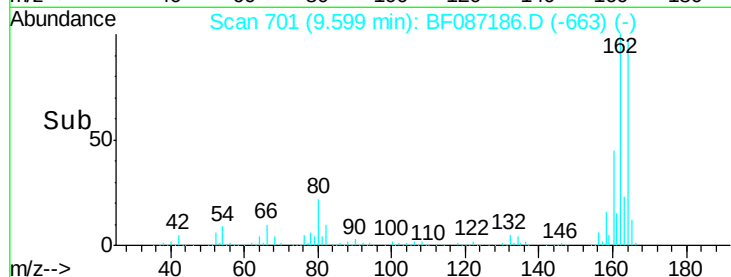
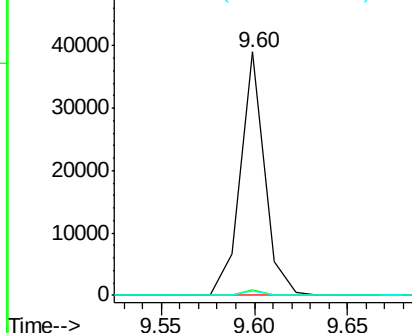
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	51.8	77.8#
89	1.9	50.7	76.1#



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: 5.98 ng
 RT: 9.60 min Scan# 701
 Delta R.T. -0.26 min
 Lab File: BF087186.D
 Acq: 19 May 2016 14:03

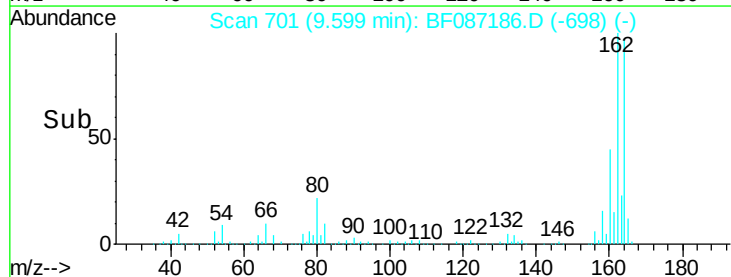
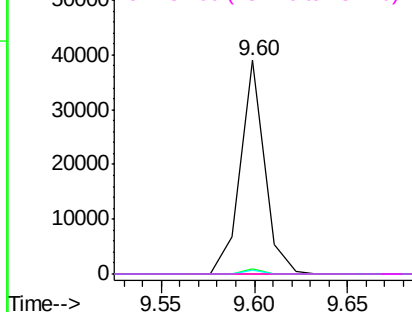
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	44.3	66.5#
89	1.9	70.0	105.0#
182	0.0	1.8	2.6#

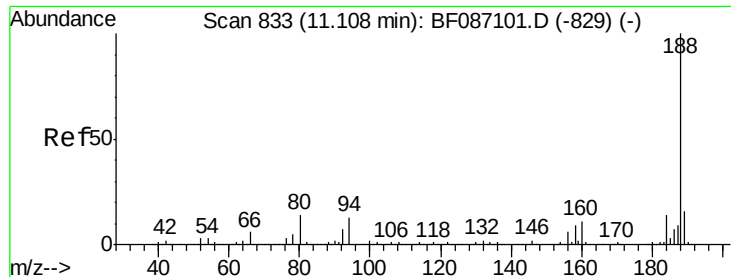
Abundance Ion 165.00 (164.70 to 165.70): E

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

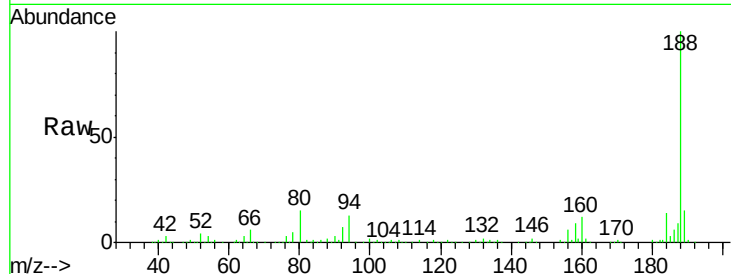




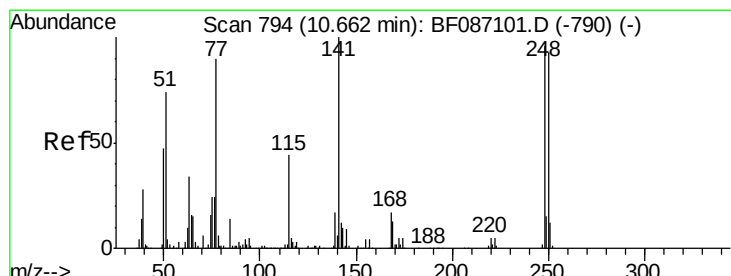
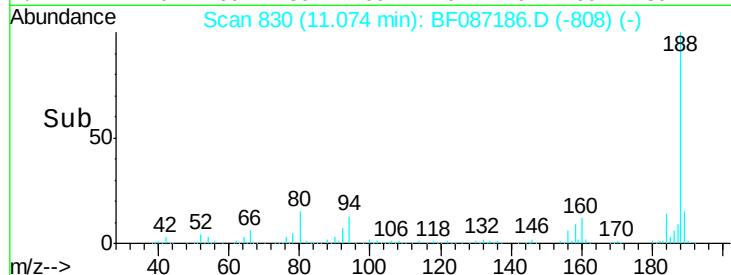
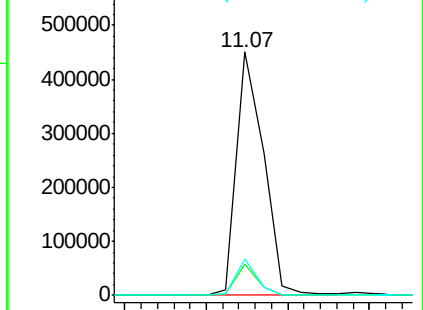
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.07 min Scan# 830
 Delta R.T. -0.05 min
 Lab File: BF087186.D
 Acq: 19 May 2016 14:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 516283
 Ion Ratio Lower Upper
 188 100
 94 12.8 6.8 10.2#
 80 14.8 7.1 10.7#

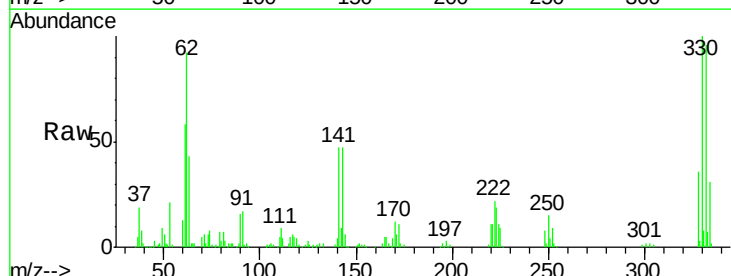


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

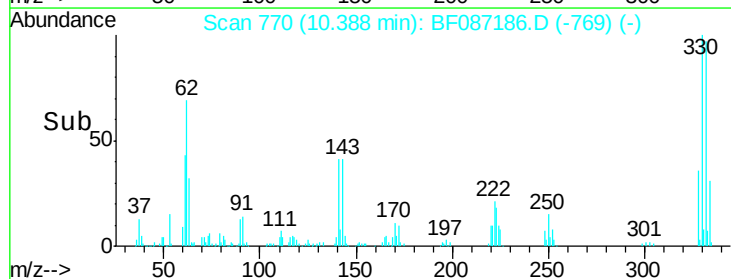
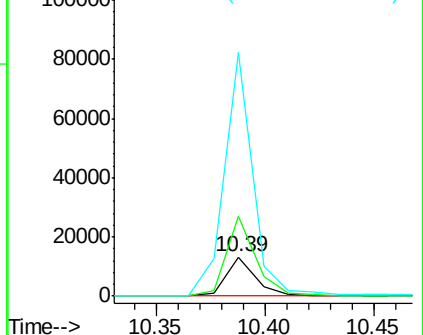


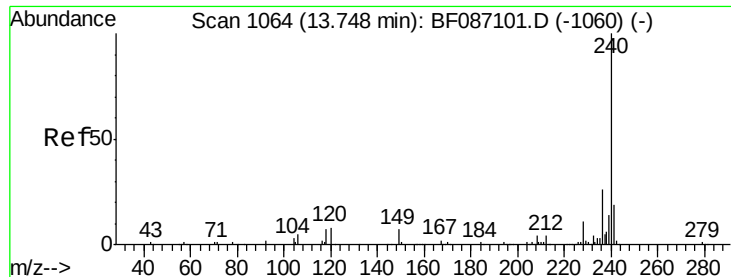
#66
 4-Bromophenyl-phenylether
 Concen: 2.32 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.29 min
 Lab File: BF087186.D
 Acq: 19 May 2016 14:03

Tgt Ion:248 Resp: 12318
 Ion Ratio Lower Upper
 248 100
 250 202.8 78.6 117.8#
 141 623.3 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: BF087186.D

Acq: 19 May 2016 14:03

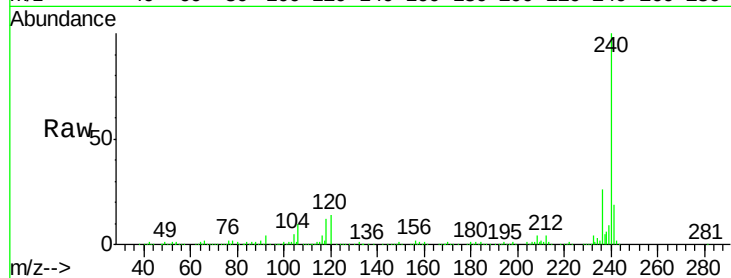
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 458501

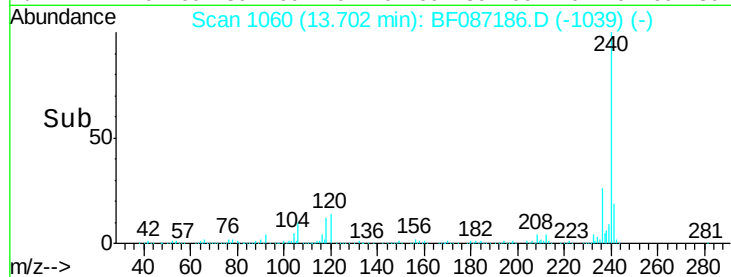
Ion	Ratio	Lower	Upper
240	100		
120	13.6	11.2	16.8
236	26.3	21.2	31.8



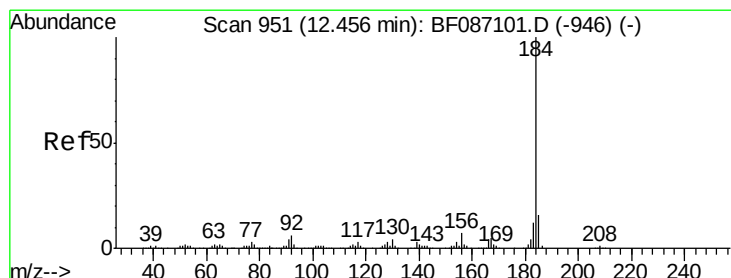
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 2.03 ng

RT: 12.66 min Scan# 969

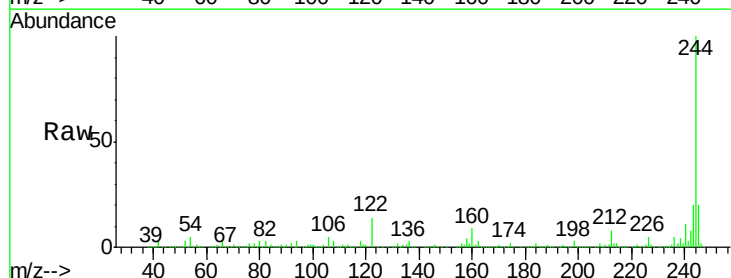
Delta R.T. 0.20 min

Lab File: BF087186.D

Acq: 19 May 2016 14:03

Tgt Ion:184 Resp: 18369

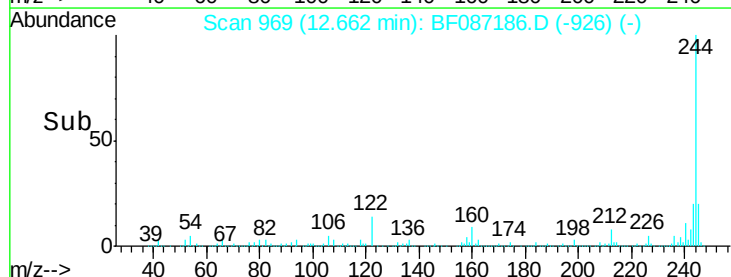
Ion	Ratio	Lower	Upper
184	100		
185	15.4	13.6	20.4
183	12.8	9.8	14.6



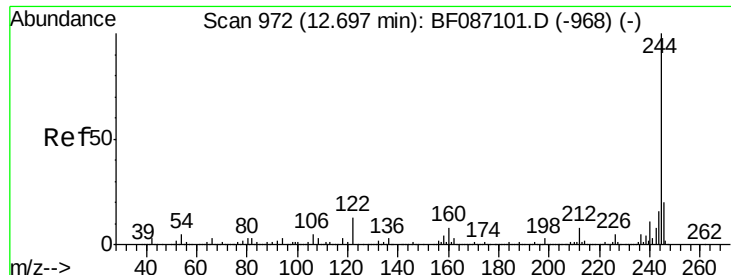
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



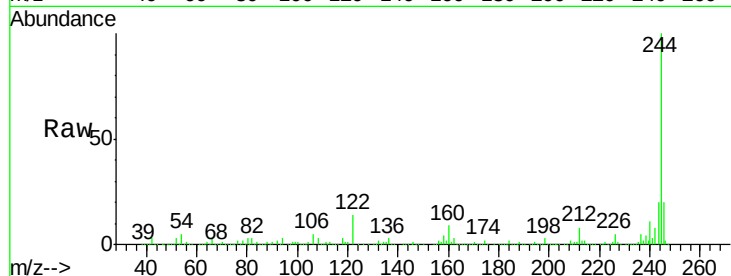
Time-->



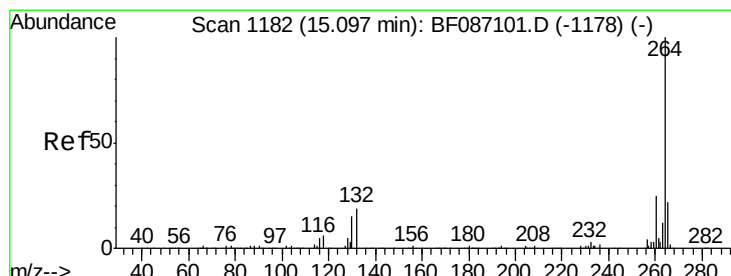
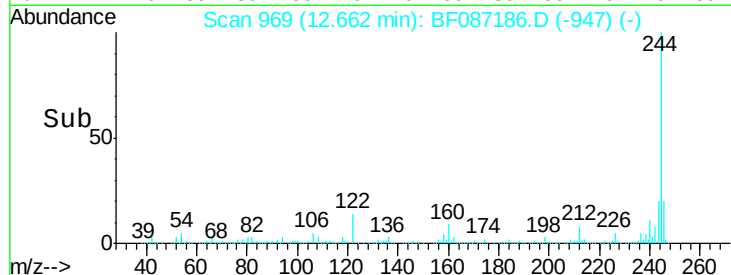
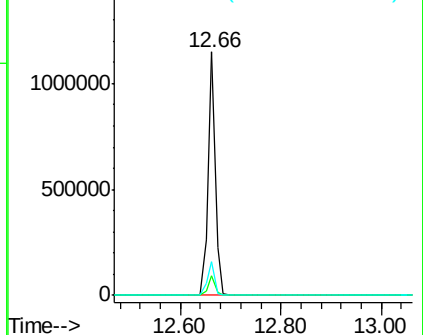
#78
 Terphenyl-d14
 Concen: 56.61 ng
 RT: 12.66 min Scan# 969
 Delta R.T. -0.05 min
 Lab File: BF087186.D
 Acq: 19 May 2016 14:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1147490
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.2
 122 13.7 12.0 18.0

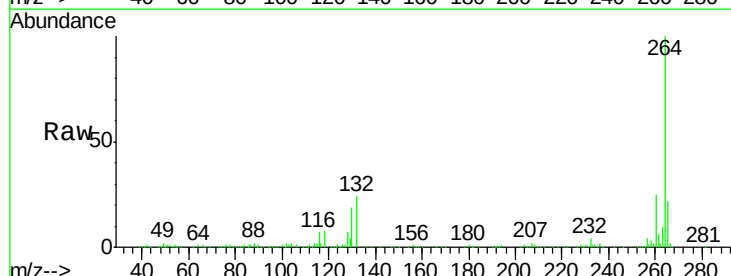


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.06 min
 Lab File: BF087186.D
 Acq: 19 May 2016 14:03

Tgt Ion:264 Resp: 370828
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 22.4 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

