

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051916\
 Data File : BF087225.D
 Acq On : 20 May 2016 11:26
 Operator : UM/SJ
 Sample : PB90743TB
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 14:39:59 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

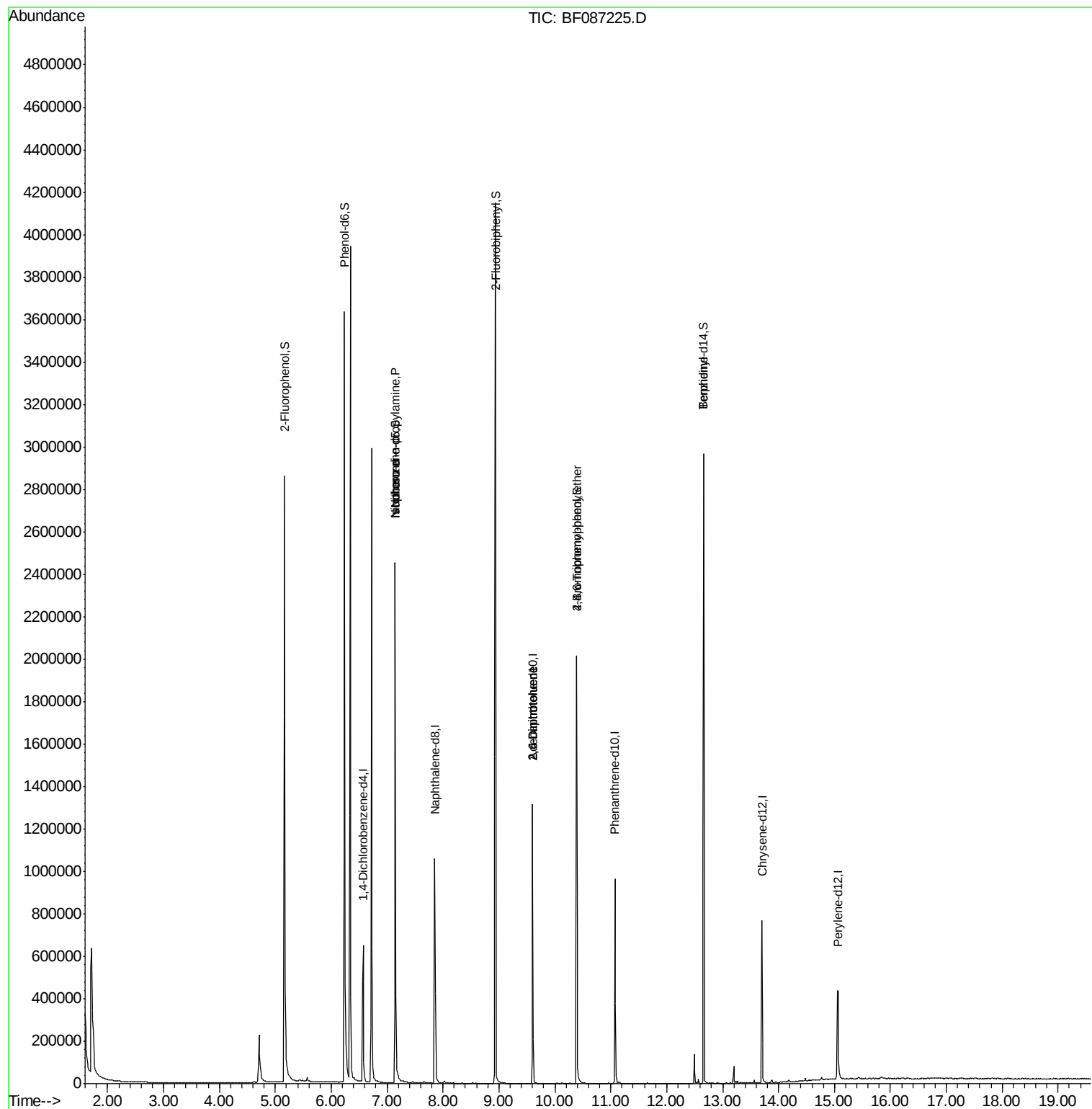
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	124048	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	510299	20.00	ng	-0.05
38) Acenaphthene-d10	9.60	164	233880	20.00	ng	-0.05
63) Phenanthrene-d10	11.07	188	377747	20.00	ng	-0.05
75) Chrysene-d12	13.70	240	261754	20.00	ng	-0.06
86) Perylene-d12	15.06	264	244741	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	946937	128.31	ng	-0.03
7) Phenol-d6	6.24	99	1150964	116.28	ng	-0.05
23) Nitrobenzene-d5	7.14	82	750535	73.30	ng	-0.05
41) 2,4,6-Tribromophenol	10.39	330	240186	92.93	ng	-0.06
44) 2-Fluorobiphenyl	8.94	172	1276449	90.39	ng	-0.05
78) Terphenyl-d14	12.66	244	903383	78.07	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.14	70	105986	14.09	ng	# 72
25) Isophorone	7.14	82	671211	35.81	ng	# 68
50) 2,6-Dinitrotoluene	9.60	165	29682	7.66	ng	# 21
56) 2,4-Dinitrotoluene	9.60	165	29682	5.98	ng	# 16
66) 4-Bromophenyl-phenylether	10.39	248	14006	3.61	ng	# 1
76) Benzidine	12.66	184	14653	2.45	ng	# 96

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

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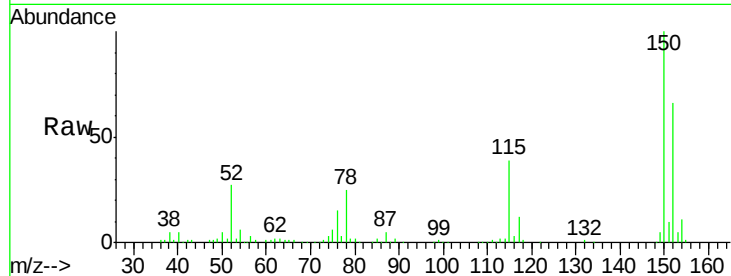


#1

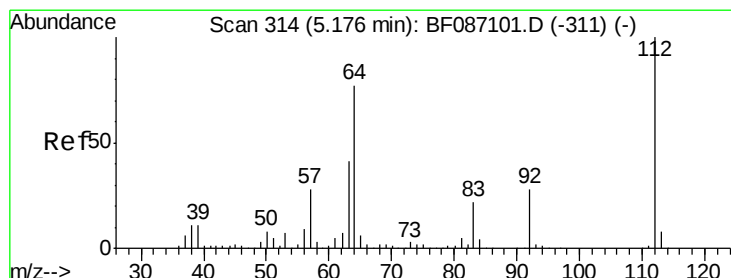
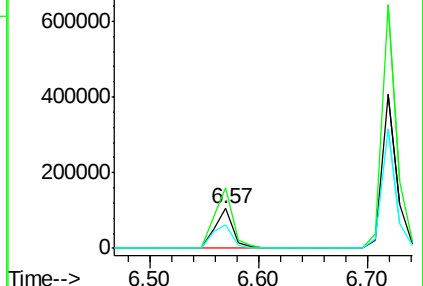
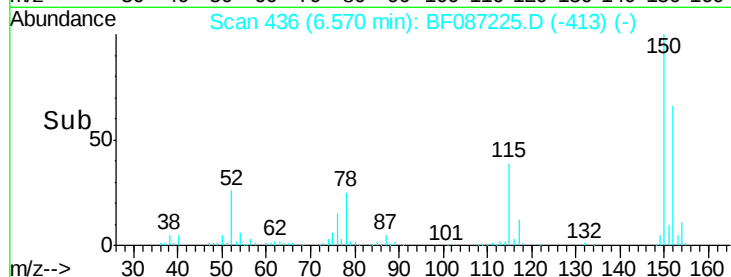
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 436
Delta R.T. -0.03 min
Lab File: BF087225.D
Acq: 20 May 2016 11:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 124048
Ion Ratio Lower Upper
152 100
150 152.2 125.8 188.6
115 59.4 51.5 77.3



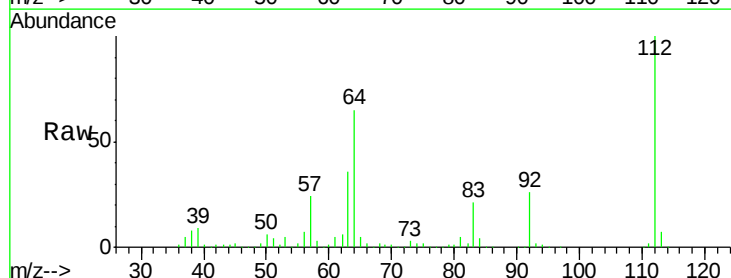
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



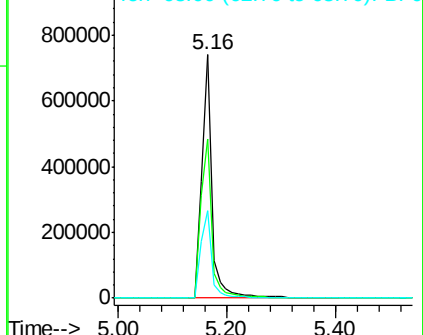
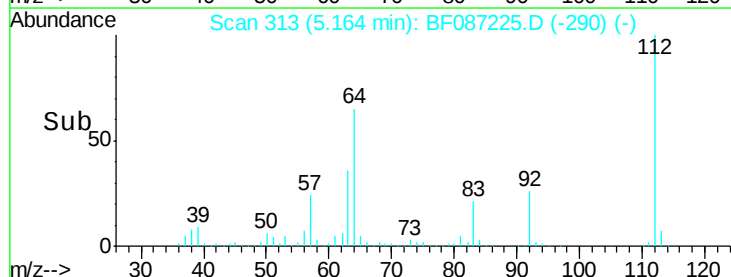
#5

2-Fluorophenol
Concen: 128.31 ng
RT: 5.16 min Scan# 313
Delta R.T. -0.03 min
Lab File: BF087225.D
Acq: 20 May 2016 11:26

Tgt Ion:112 Resp: 946937
Ion Ratio Lower Upper
112 100
64 65.3 52.1 78.1
63 35.7 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: 116.28 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087225.D

Acq: 20 May 2016 11:26

Instrument :

BNA_F

ClientSampleId :

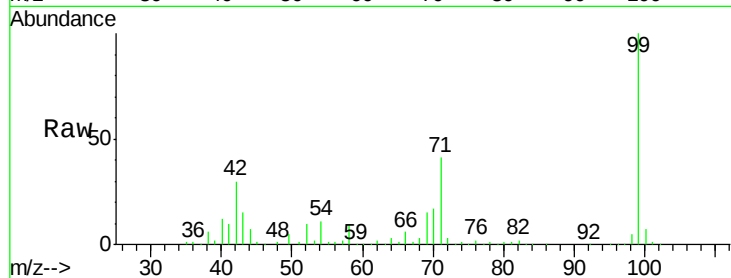
Tot Ion: 99 Resp: 1150964

Ion Ratio Lower Upper

99 100

42 30.5 13.6 20.4#

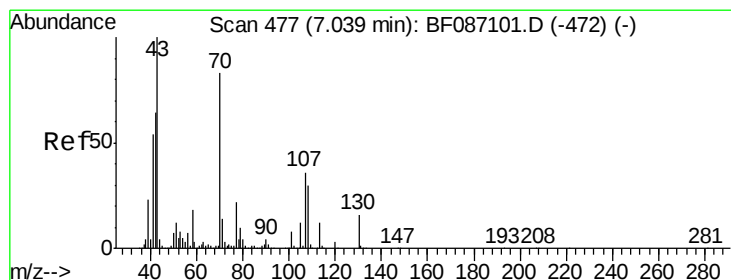
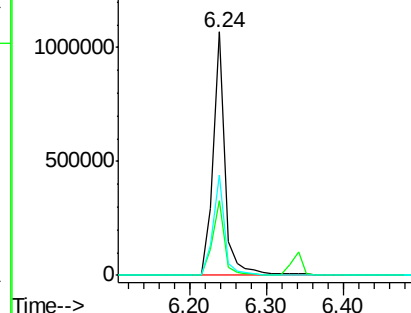
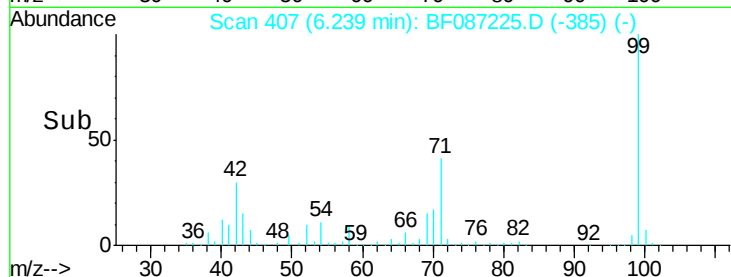
71 41.2 24.6 36.8#



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: 14.09 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.09 min

Lab File: BF087225.D

Acq: 20 May 2016 11:26

Tgt Ion: 70 Resp: 105986

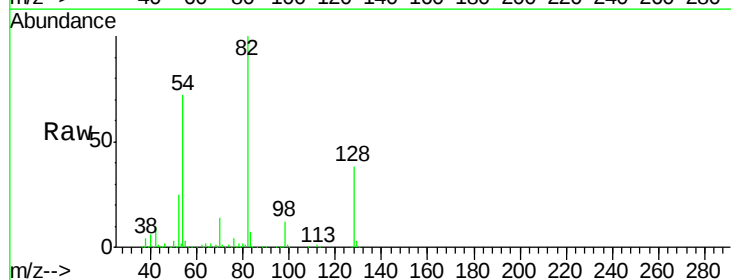
Ion Ratio Lower Upper

70 100

42 69.0 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

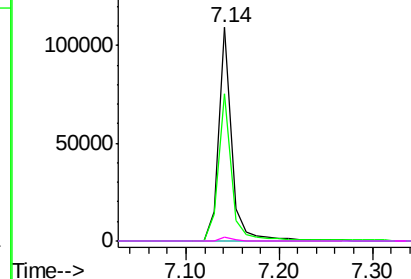
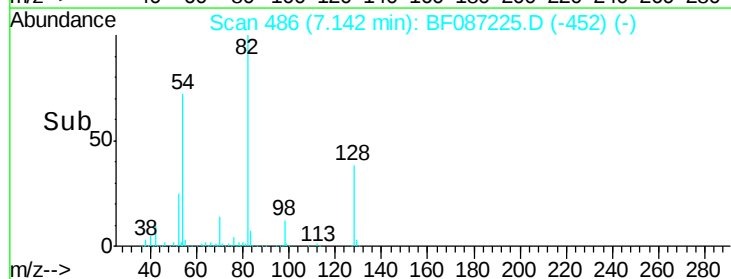


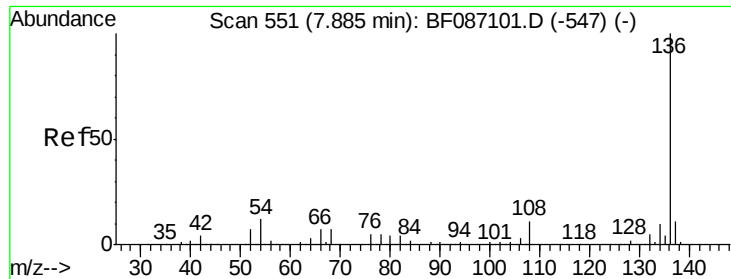
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

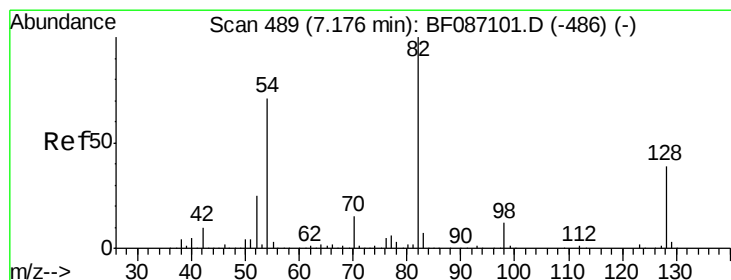
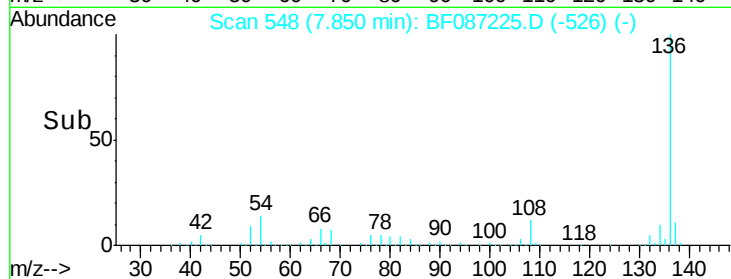
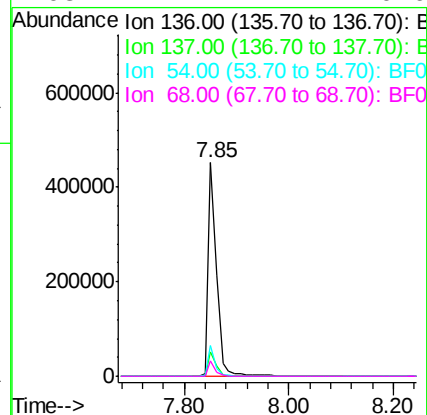
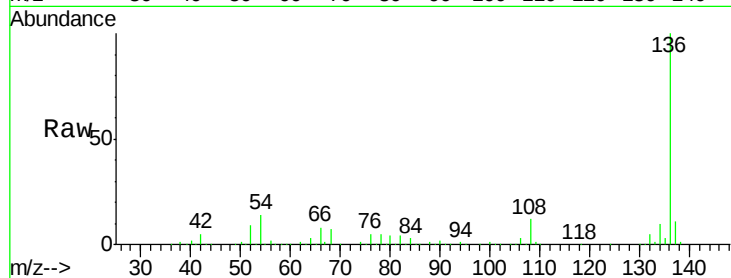




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF087225.D
Acq: 20 May 2016 11:26

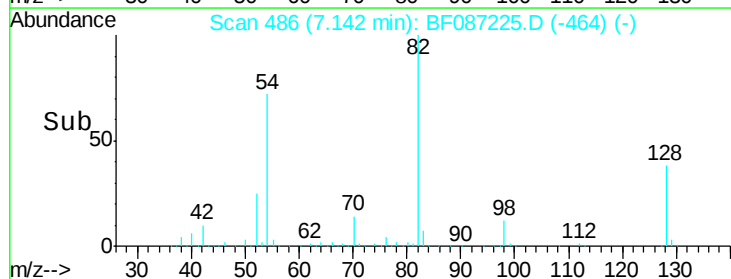
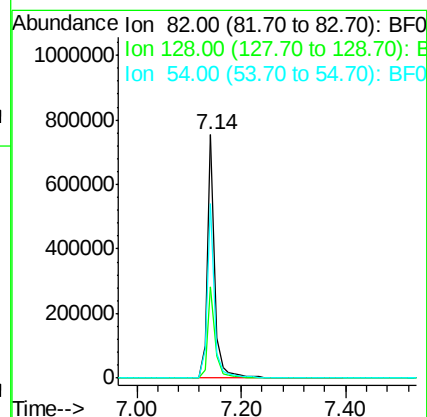
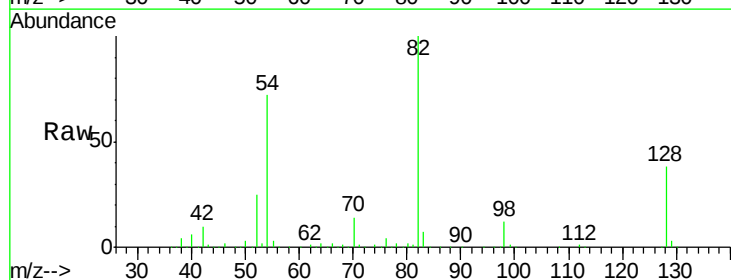
Instrument :
BNA_F
ClientSampleId :

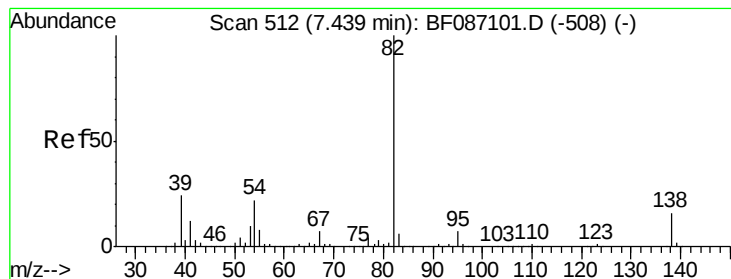
Tot Ion:136	Resp:	510299
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.8 13.2
54	14.3	5.0 7.4#
68	7.2	4.4 6.6#



#23
Nitrobenzene-d5
Concen: 73.30 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.05 min
Lab File: BF087225.D
Acq: 20 May 2016 11:26

Tgt Ion: 82	Resp:	750535
Ion Ratio	Lower	Upper
82	100	
128	37.6	40.6 61.0#
54	71.9	38.1 57.1#





#25

Isophorone

Concen: 35.81 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.31 min

Lab File: BF087225.D

Acq: 20 May 2016 11:26

Instrument :

BNA_F

ClientSampleId :

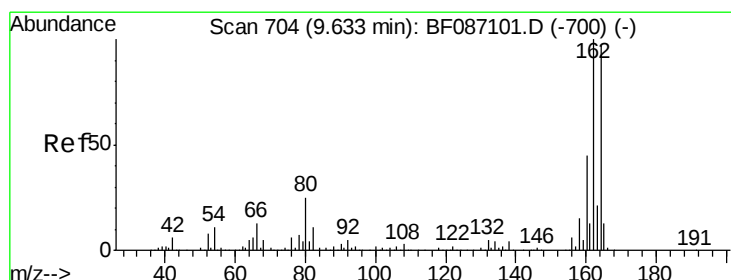
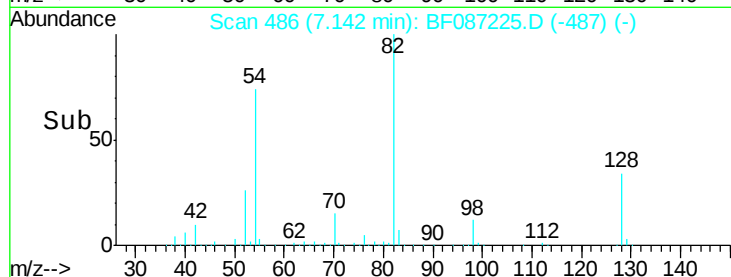
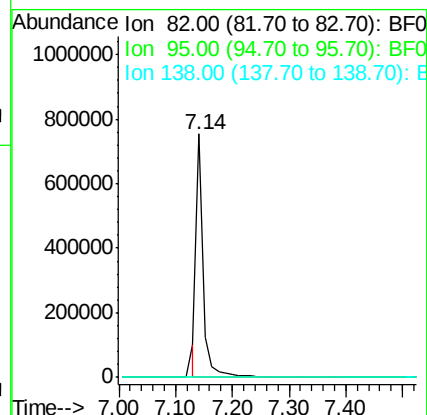
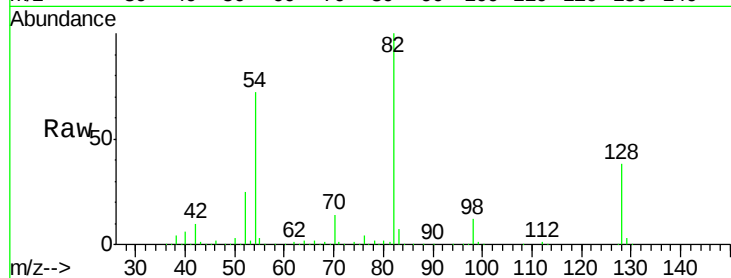
Tot Ion: 82 Resp: 671211

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: BF087225.D

Acq: 20 May 2016 11:26

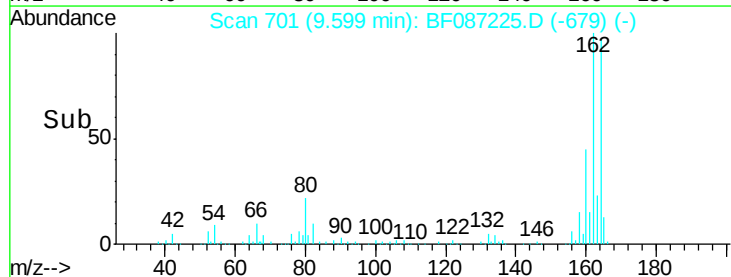
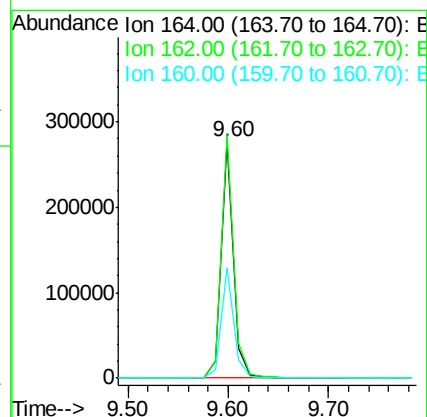
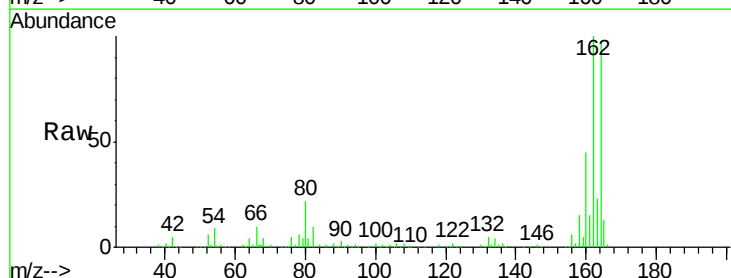
Tgt Ion: 164 Resp: 233880

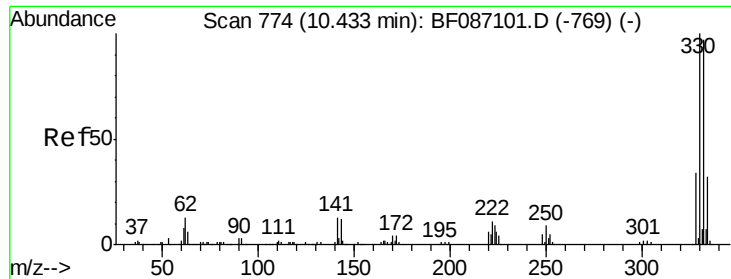
Ion Ratio Lower Upper

164 100

162 103.0 82.8 124.2

160 46.5 36.9 55.3

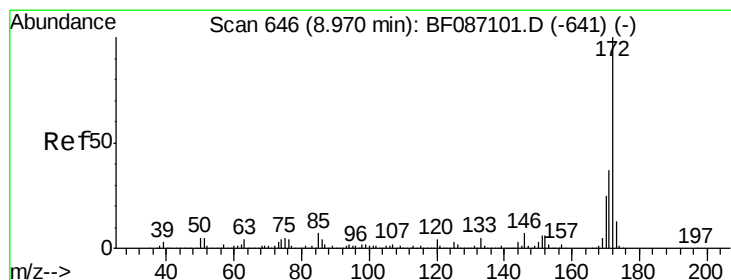
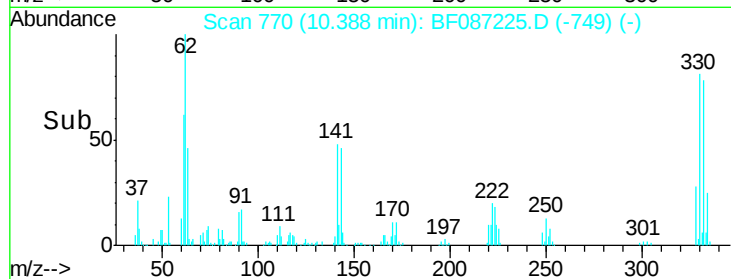
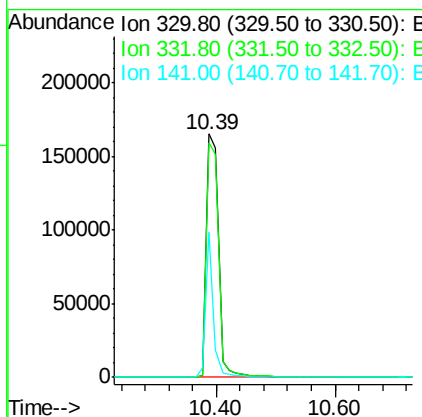
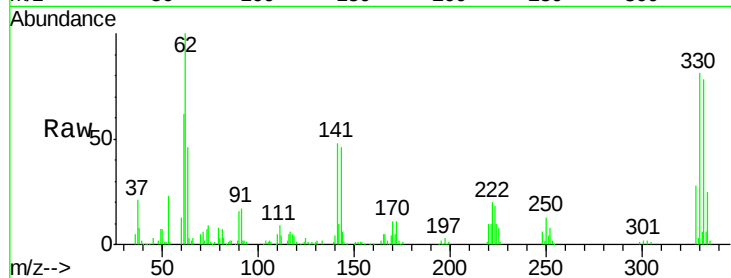




#41
 2,4,6-Tribromophenol
 Concen: 92.93 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.06 min
 Lab File: BF087225.D
 Acq: 20 May 2016 11:26

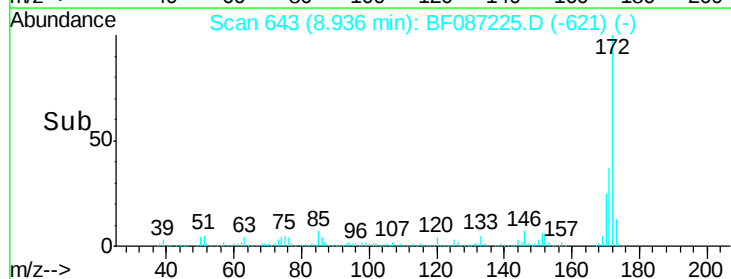
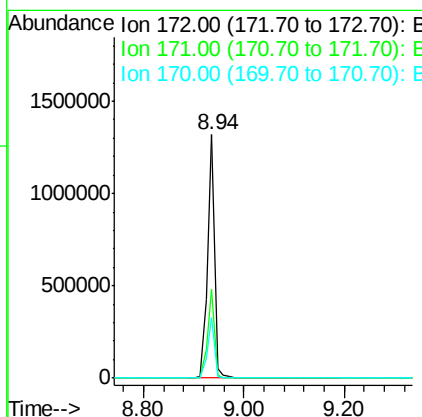
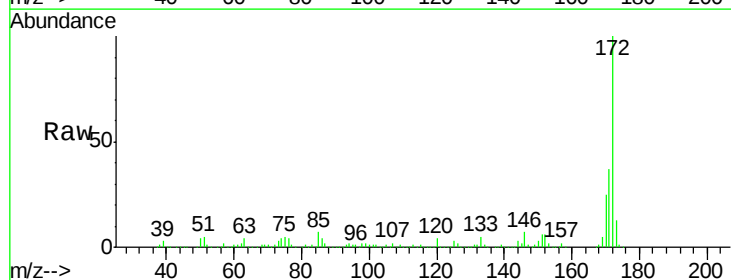
Instrument :
 BNA_F
 ClientSampleId :

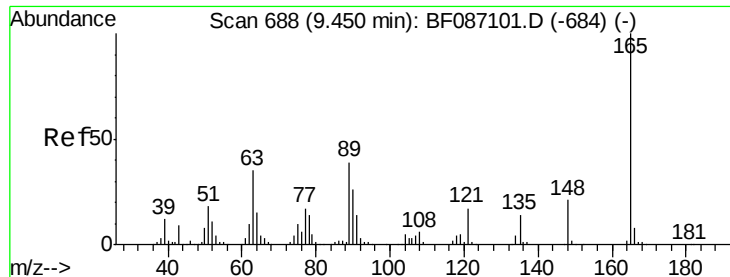
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.0	118.4
141	37.1	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 90.39 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.05 min
 Lab File: BF087225.D
 Acq: 20 May 2016 11:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.6
170	24.9	19.8	29.8





#50

2,6-Dinitrotoluene

Concen: 7.66 ng

RT: 9.60 min Scan# 701

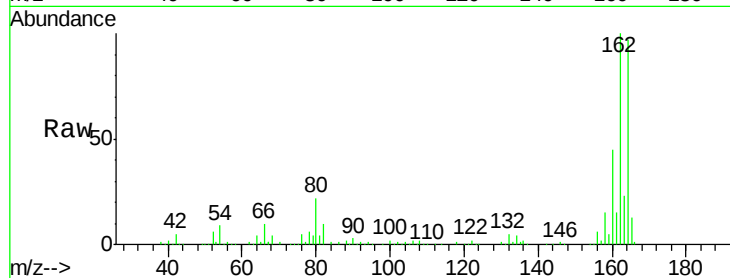
Delta R.T. 0.14 min

Lab File: BF087225.D

Acq: 20 May 2016 11:26

Instrument :
BNA_F
ClientSampleId :

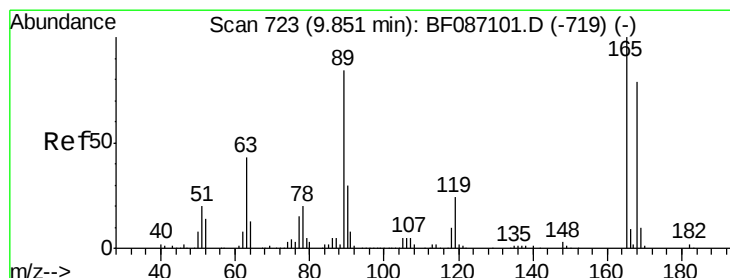
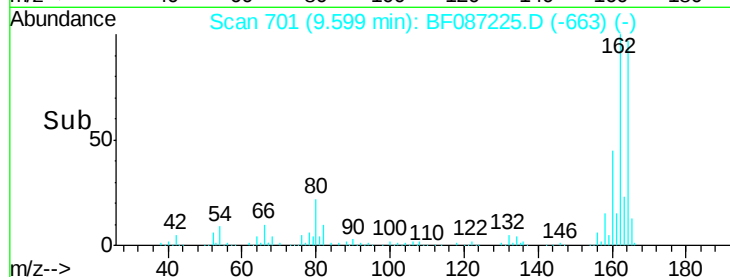
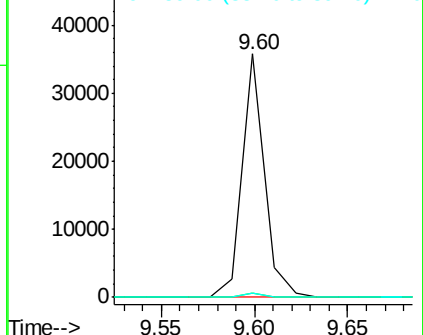
Tot Ion:165	Resp:	29682
Ion Ratio	Lower	Upper
165	100	
63	2.0	51.8 77.8#
89	1.8	50.7 76.1#



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

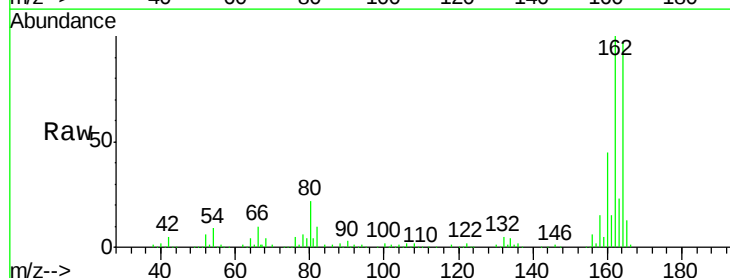
RT: 9.60 min Scan# 701

Delta R.T. -0.26 min

Lab File: BF087225.D

Acq: 20 May 2016 11:26

Tgt Ion:165	Resp:	29682
Ion Ratio	Lower	Upper
165	100	
63	2.0	44.3 66.5#
89	1.8	70.0 105.0#
182	0.0	1.8 2.6#

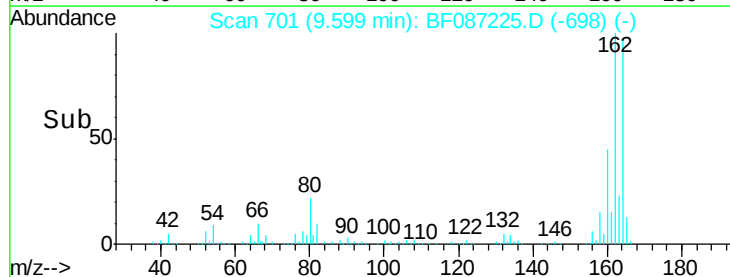
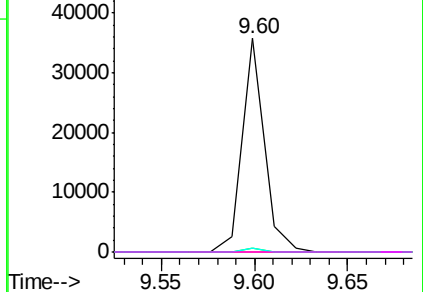


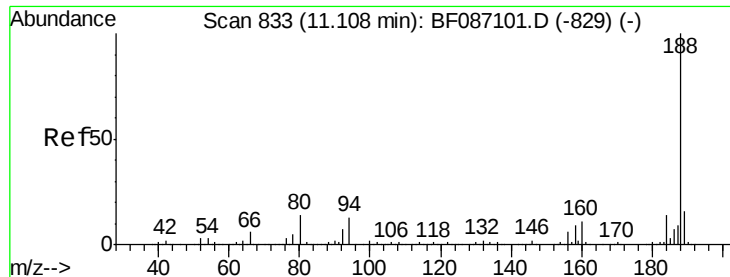
Abundance Ion 165.00 (164.70 to 165.70): E

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

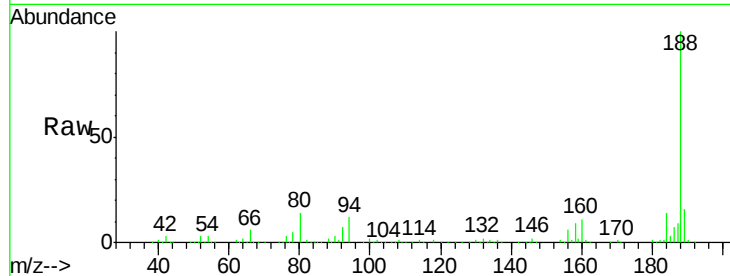




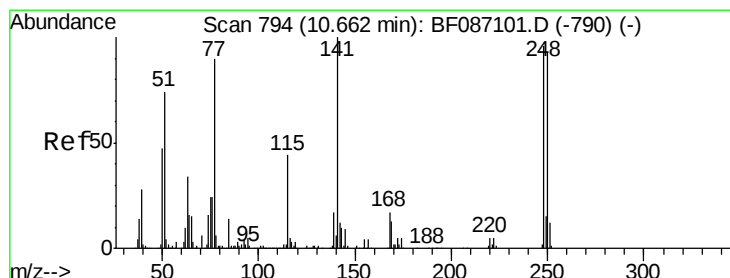
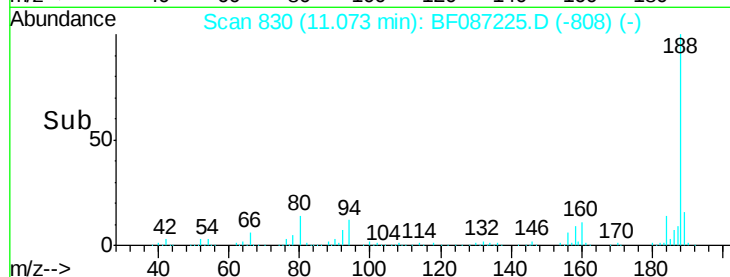
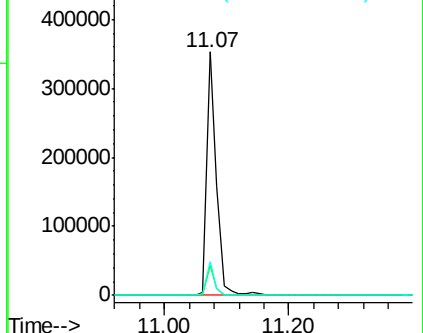
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.07 min Scan# 830
 Delta R.T. -0.05 min
 Lab File: BF087225.D
 Acq: 20 May 2016 11:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 377747
 Ion Ratio Lower Upper
 188 100
 94 12.3 6.8 10.2#
 80 13.8 7.1 10.7#

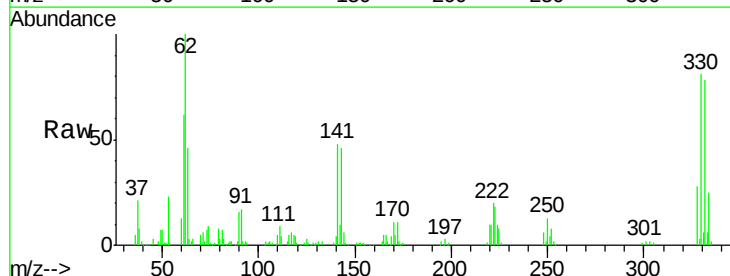


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

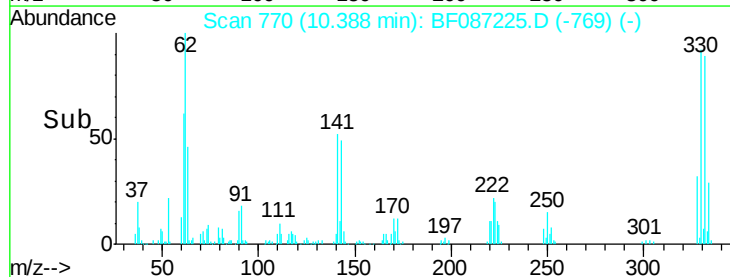
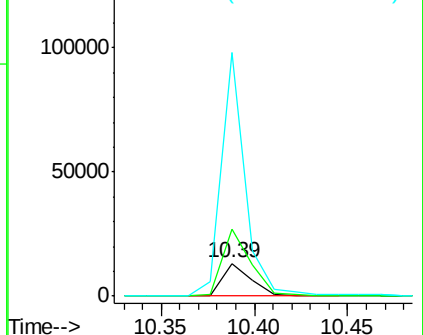


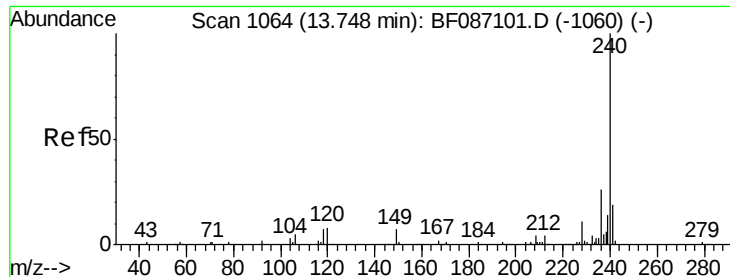
#66
 4-Bromophenyl-phenylether
 Concen: 3.61 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.29 min
 Lab File: BF087225.D
 Acq: 20 May 2016 11:26

Tgt Ion:248 Resp: 14006
 Ion Ratio Lower Upper
 248 100
 250 204.5 78.6 117.8#
 141 742.3 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: BF087225.D

Acq: 20 May 2016 11:26

Instrument :

BNA_F

ClientSampleId :

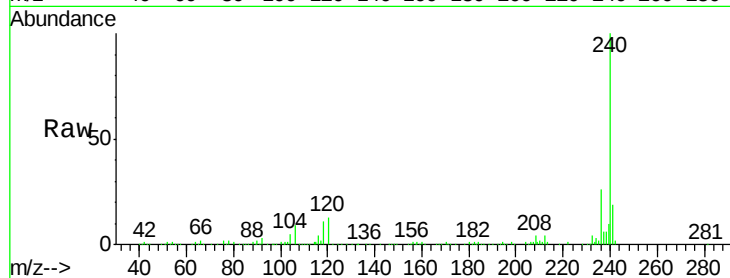
Tot Ion:240 Resp: 261754

Ion Ratio Lower Upper

240 100

120 12.7 11.2 16.8

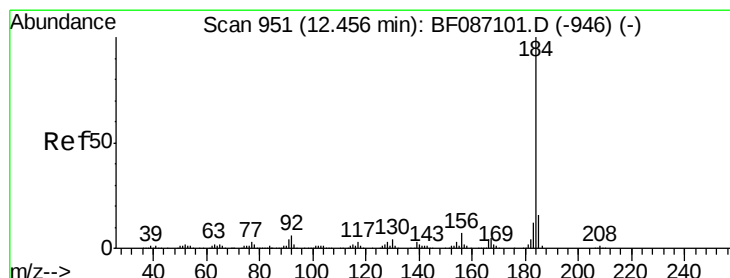
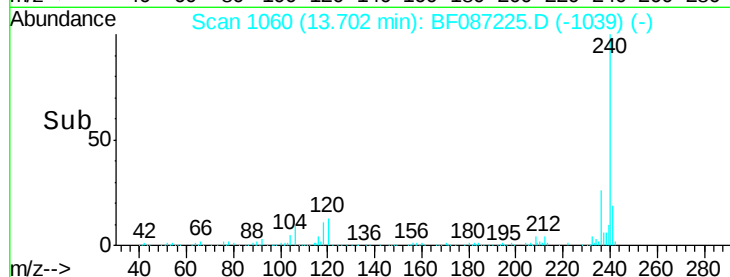
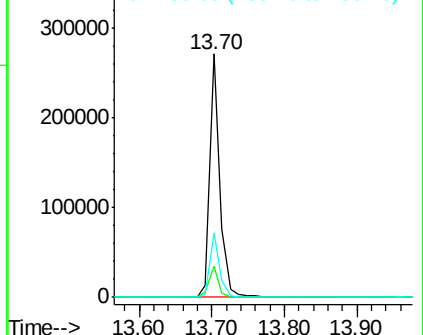
236 26.2 21.2 31.8



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: 2.45 ng

RT: 12.66 min Scan# 969

Delta R.T. 0.20 min

Lab File: BF087225.D

Acq: 20 May 2016 11:26

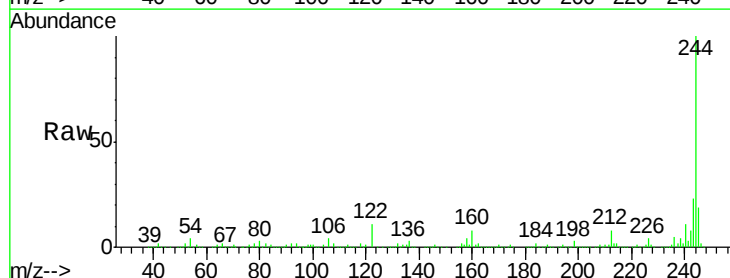
Tgt Ion:184 Resp: 14653

Ion Ratio Lower Upper

184 100

185 18.0 13.6 20.4

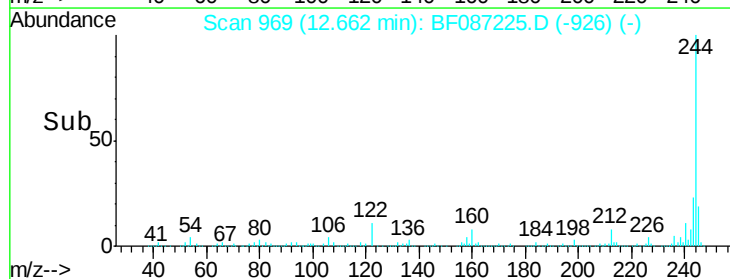
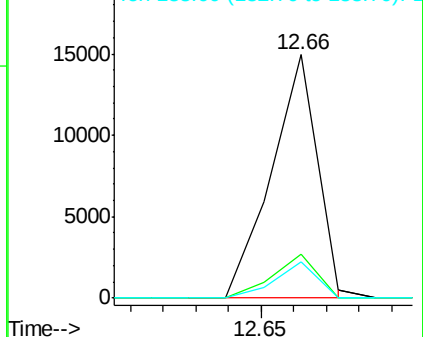
183 14.8 9.8 14.6#

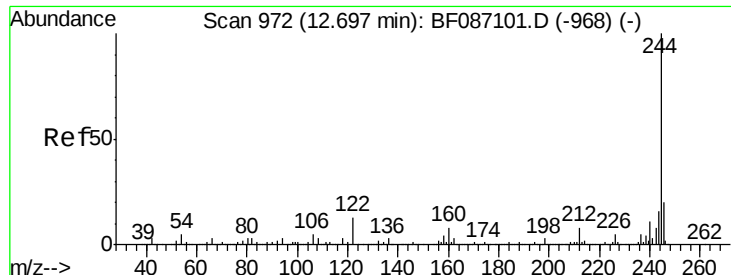


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 78.07 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.05 min

Lab File: BF087225.D

Acq: 20 May 2016 11:26

Instrument :

BNA_F

ClientSampleId :

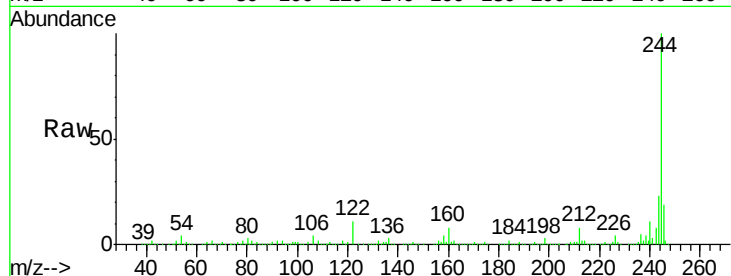
Tot Ion:244 Resp: 903383

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

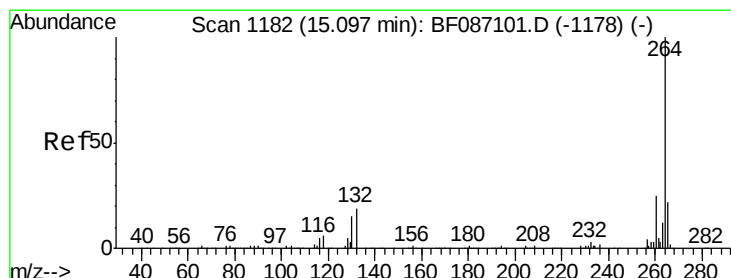
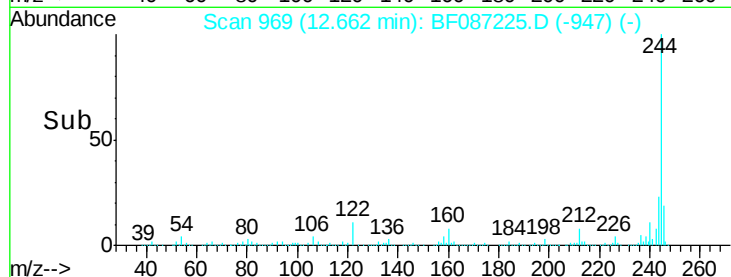
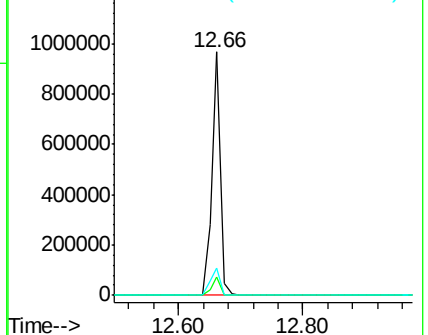
122 11.1 12.0 18.0#



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: 15.06 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF087225.D

Acq: 20 May 2016 11:26

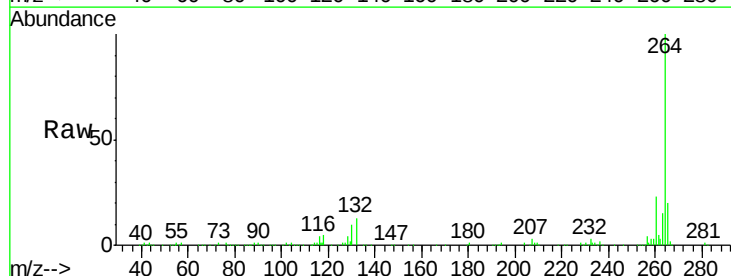
Tgt Ion:264 Resp: 244741

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 20.2 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

