

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
 Data File : BF087229.D
 Acq On : 20 May 2016 17:30
 Operator : UM/SJ
 Sample : PB90711BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90711BL

Quant Time: May 20 23:22:40 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

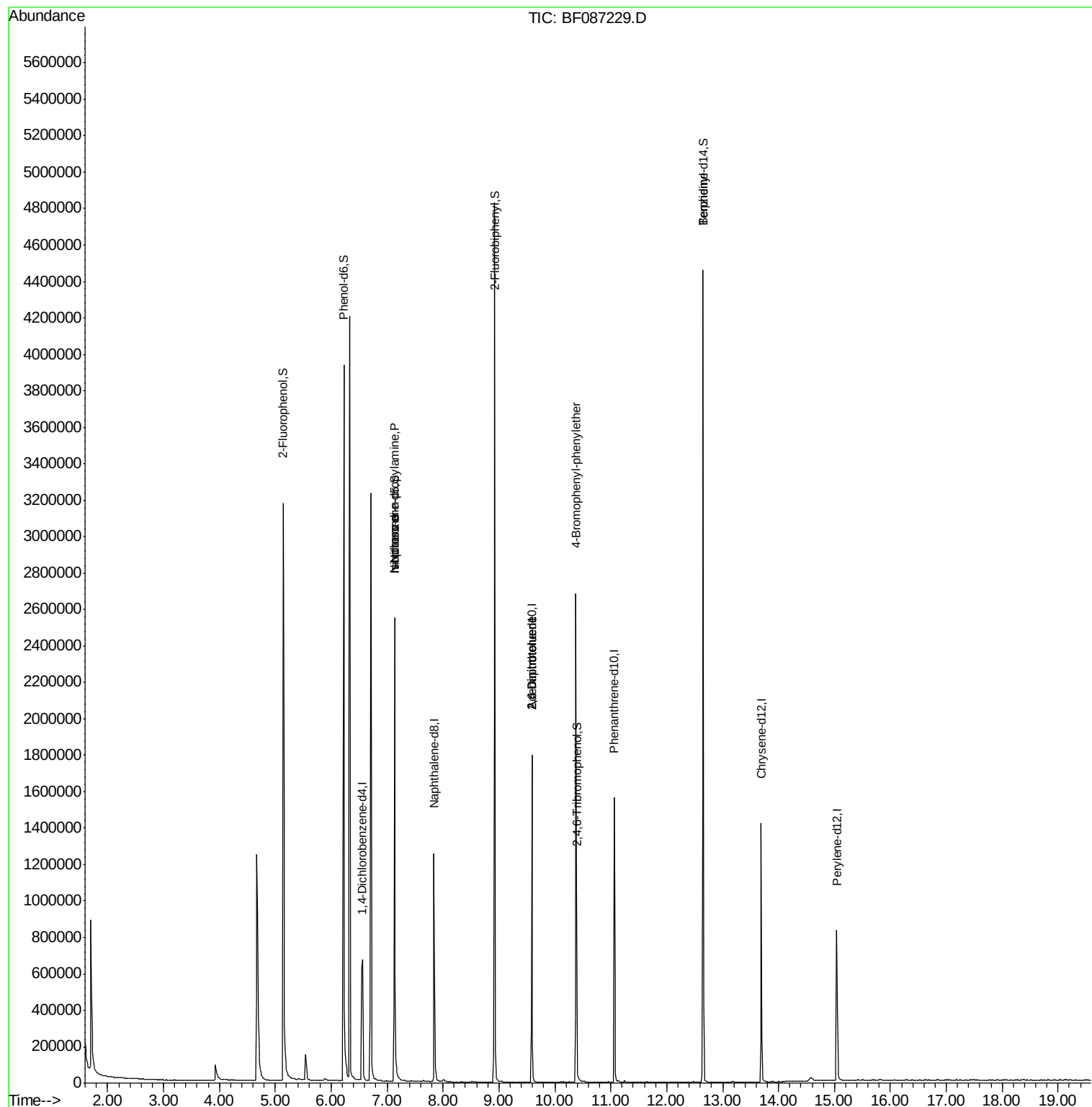
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	142429	20.00	ng	-0.05
21) Naphthalene-d8	7.84	136	628254	20.00	ng	-0.06
38) Acenaphthene-d10	9.59	164	328475	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	585468	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	481404	20.00	ng	-0.07
86) Perylene-d12	15.04	264	353667	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	952903	112.45	ng	-0.06
7) Phenol-d6	6.23	99	1354533	119.19	ng	-0.06
23) Nitrobenzene-d5	7.13	82	823674	65.34	ng	-0.06
41) 2,4,6-Tribromophenol	10.39	330	333364	91.84	ng	-0.06
44) 2-Fluorobiphenyl	8.92	172	1540462	77.67	ng	-0.06
78) Terphenyl-d14	12.65	244	1387770	65.21	ng	-0.06
Target Compounds						
9) Benzaldehyde	6.17	77	1508	Below Cal	#	79
19) n-Nitroso-di-n-propylamine	7.13	70	116068	13.44 ng	#	71
25) Isophorone	7.13	82	736259	31.91 ng	#	68
50) 2,6-Dinitrotoluene	9.59	165	41985	7.72 ng	#	20
55) 4-Nitrophenol	9.80	139	582	Below Cal	#	14
56) 2,4-Dinitrotoluene	9.59	165	41985	6.03 ng	#	16
66) 4-Bromophenyl-phenylether	10.38	248	21212	3.52 ng	#	1
76) Benzidine	12.65	184	21157	2.13 ng		96

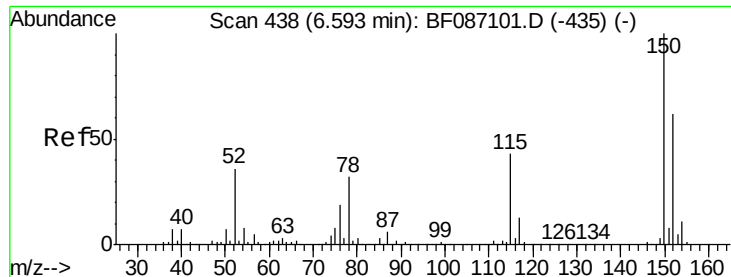
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF087229.D

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ClientSampleId :

PB90711BL

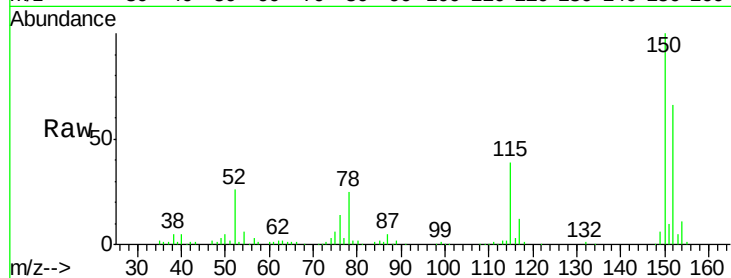
Tgt Ion:152 Resp: 142429

Ion Ratio Lower Upper

152 100

150 151.8 125.8 188.6

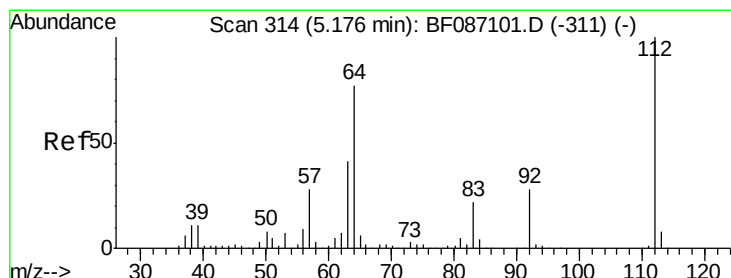
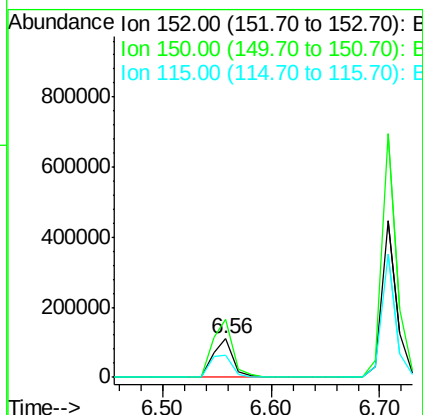
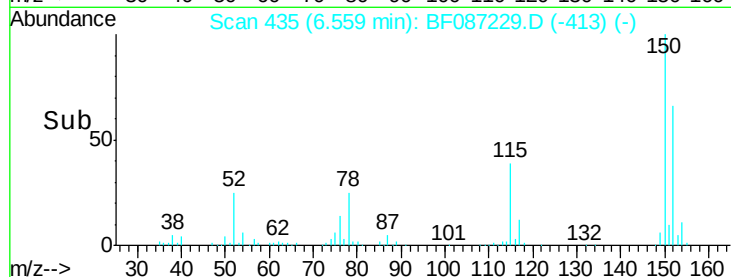
115 58.5 51.5 77.3



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: 112.45 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.06 min

Lab File: BF087229.D

Acq: 20 May 2016 17:30

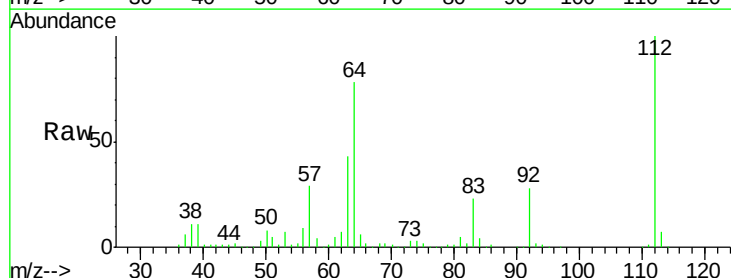
Tgt Ion:112 Resp: 952903

Ion Ratio Lower Upper

112 100

64 78.1 52.1 78.1

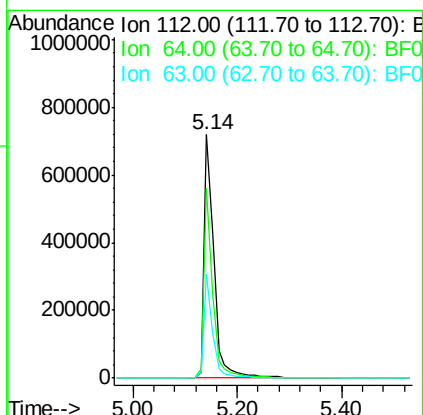
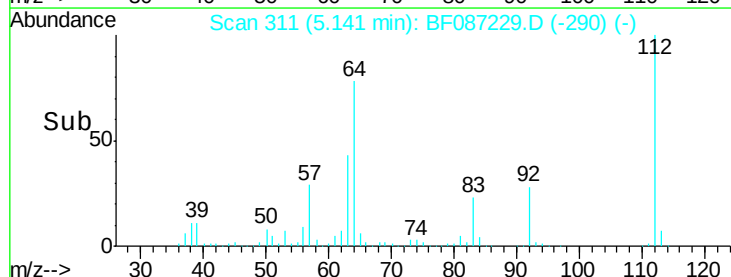
63 42.8 25.7 38.5#

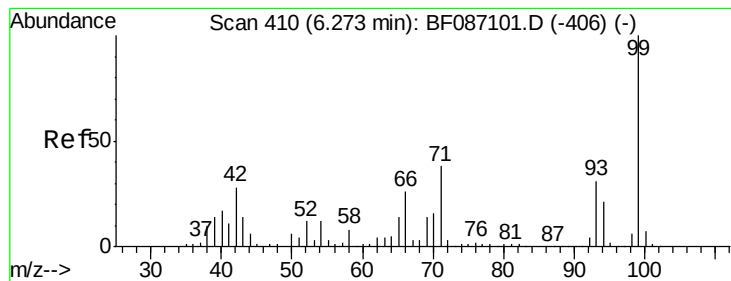


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 119.19 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF087229.D

Acq: 20 May 2016 17:30

Instrument :

BNA_F

ClientSampleId :

PB90711BL

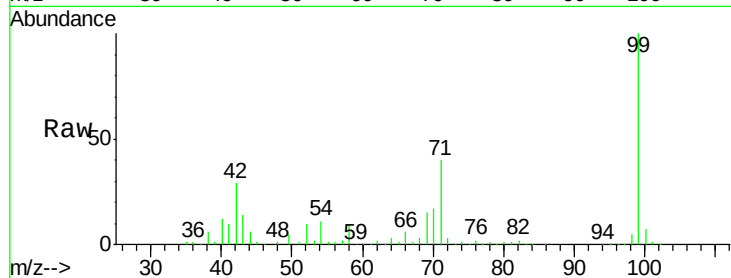
Tgt Ion: 99 Resp: 1354533

Ion Ratio Lower Upper

99 100

42 29.3 13.6 20.4#

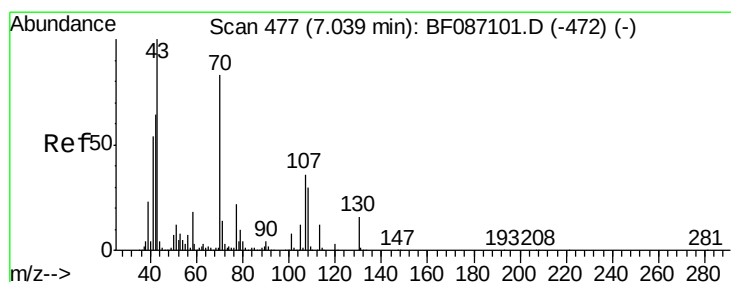
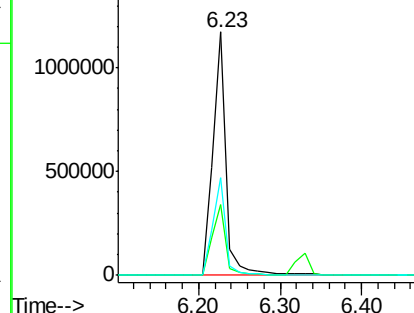
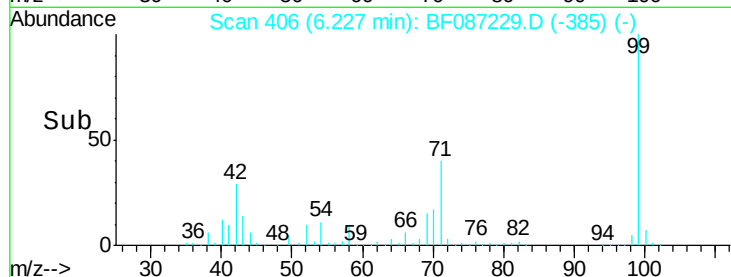
71 40.3 24.6 36.8#



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: 13.44 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.08 min

Lab File: BF087229.D

Acq: 20 May 2016 17:30

Tgt Ion: 70 Resp: 116068

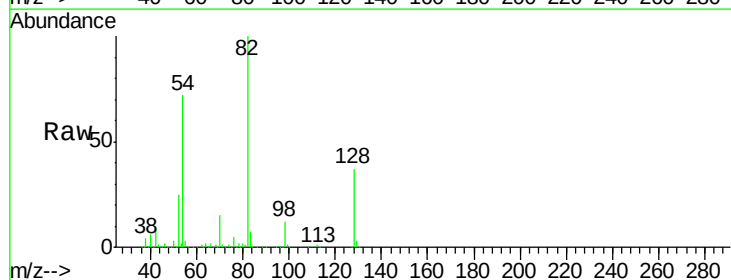
Ion Ratio Lower Upper

70 100

42 70.1 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

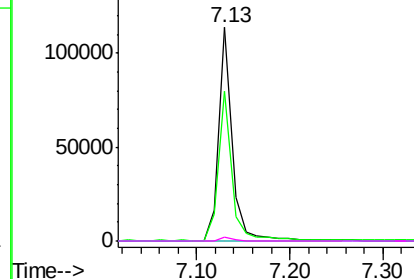
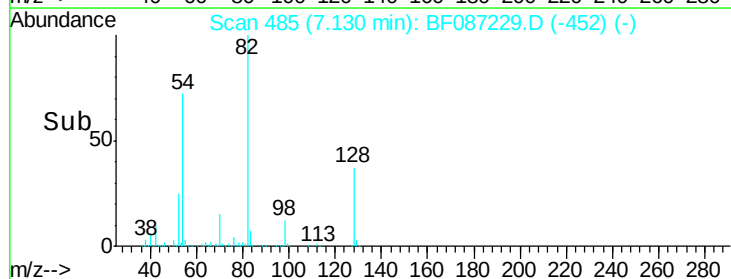


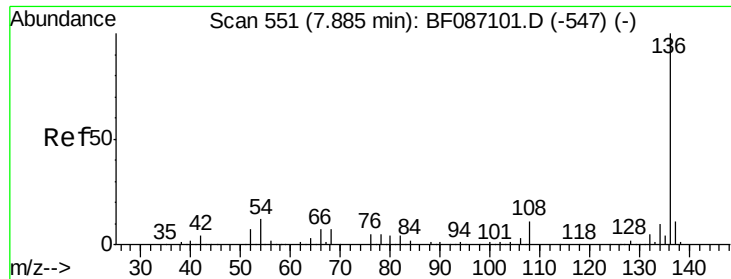
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

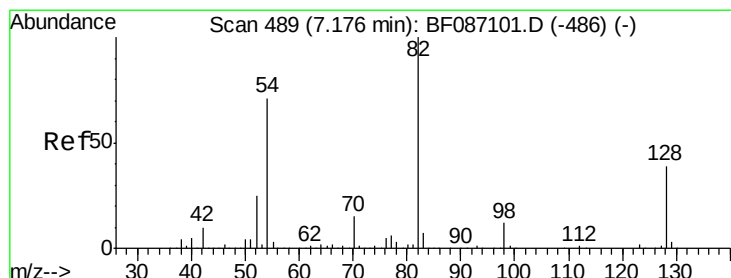
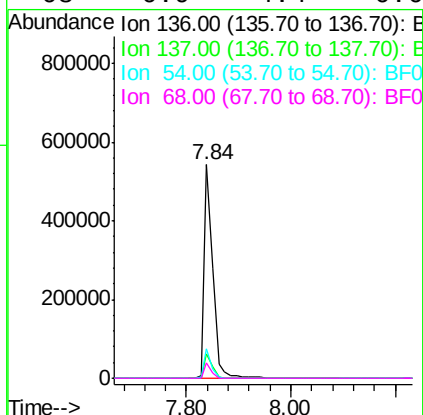
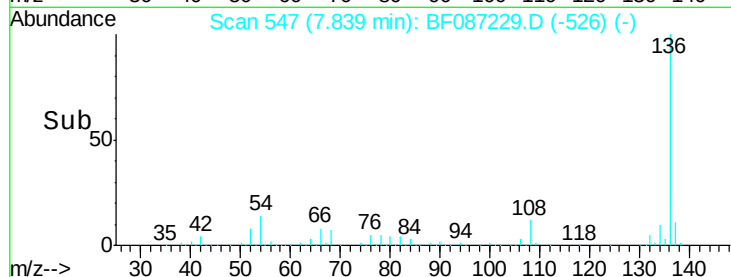
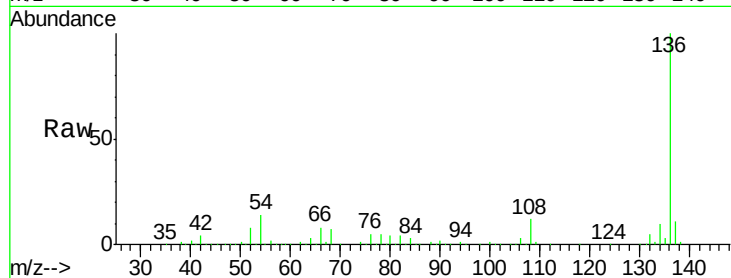




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF087229.D
Acq: 20 May 2016 17:30

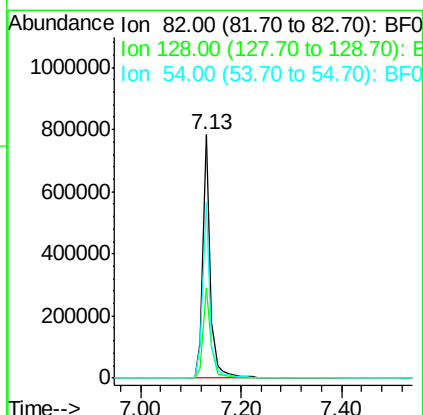
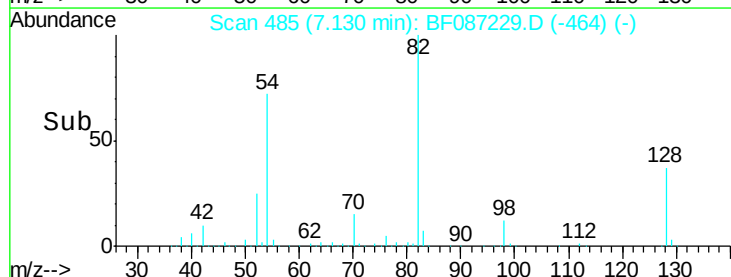
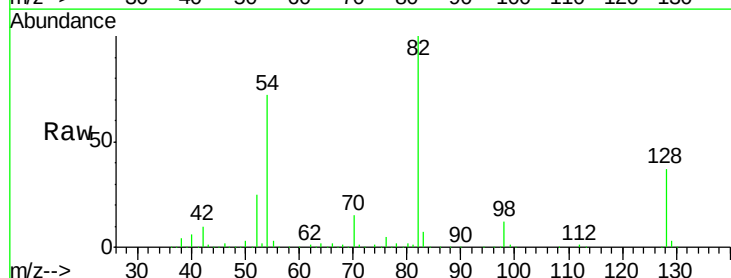
Instrument :
BNA_F
ClientSampleId :
PB90711BL

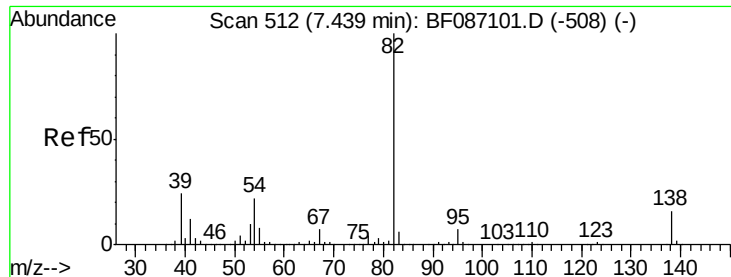
Tgt Ion:	136	Resp:	628254
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	13.8	5.0	7.4#
68	6.9	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 65.34 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.06 min
Lab File: BF087229.D
Acq: 20 May 2016 17:30

Tgt Ion:	82	Resp:	823674
Ion	Ratio	Lower	Upper
82	100		
128	36.8	40.6	61.0#
54	72.2	38.1	57.1#





#25

Isophorone

Concen: 31.91 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.32 min

Lab File: BF087229.D

Acq: 20 May 2016 17:30

Instrument :

BNA_F

ClientSampleId :

PB90711BL

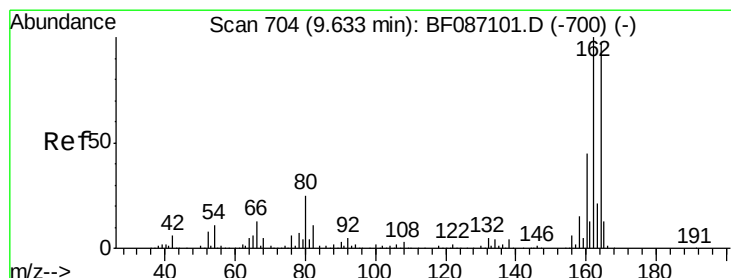
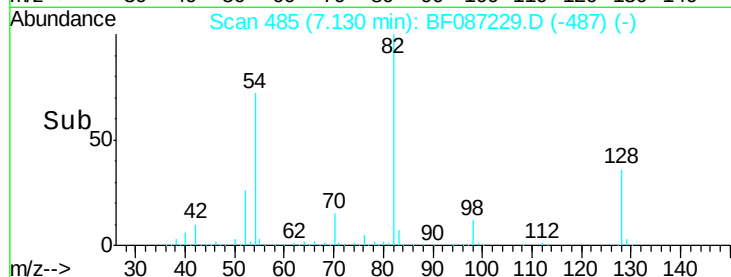
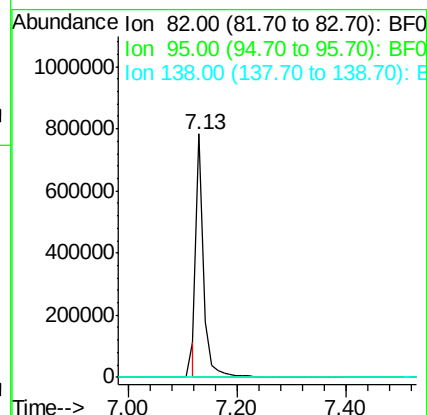
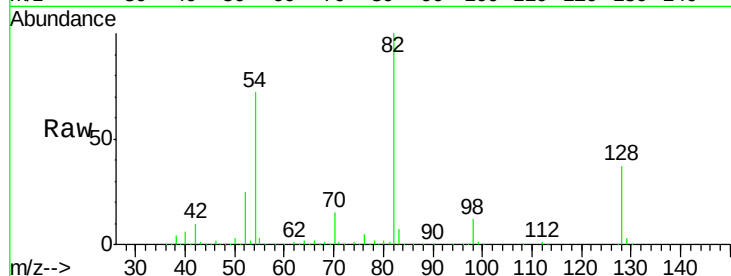
Tgt Ion: 82 Resp: 736259

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: 9.59 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF087229.D

Acq: 20 May 2016 17:30

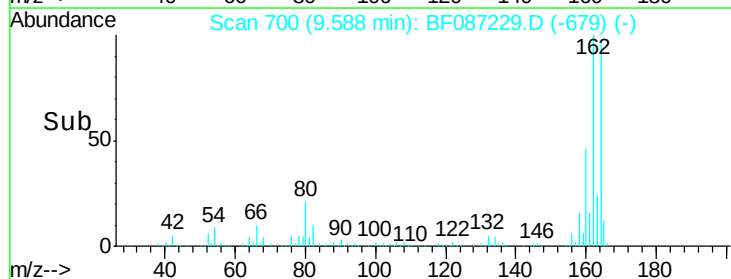
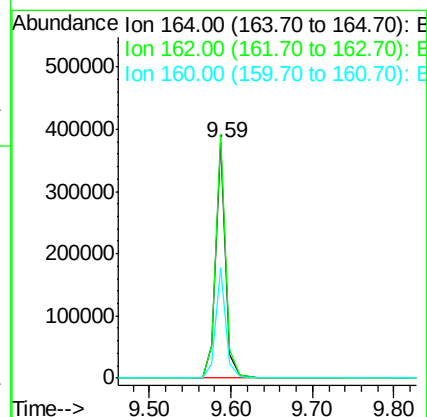
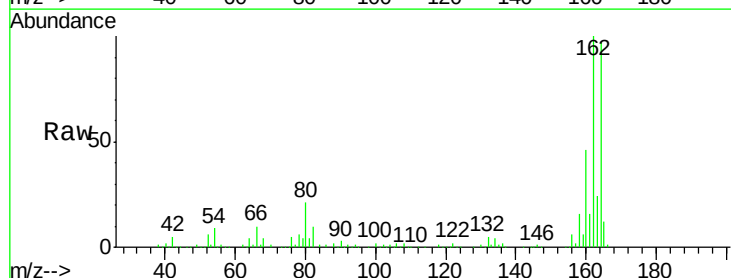
Tgt Ion: 164 Resp: 328475

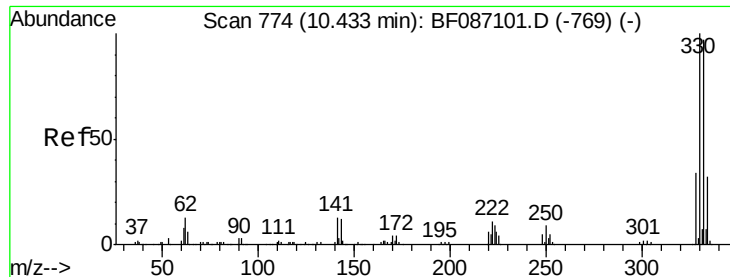
Ion Ratio Lower Upper

164 100

162 103.3 82.8 124.2

160 47.1 36.9 55.3

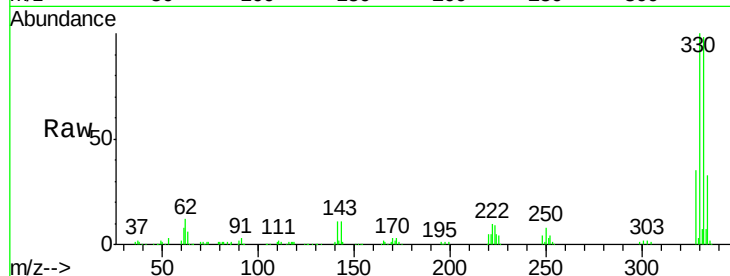




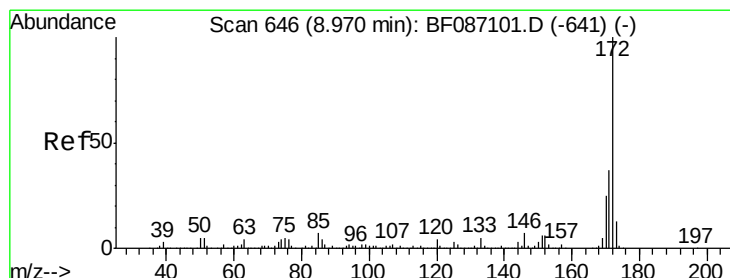
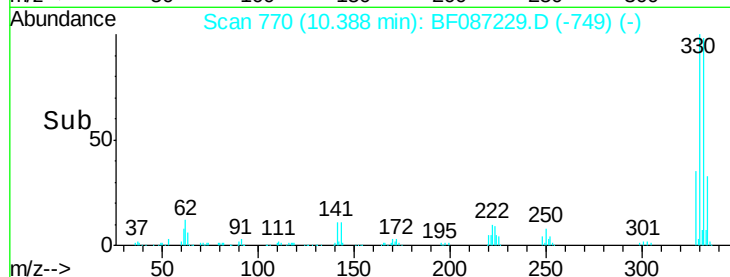
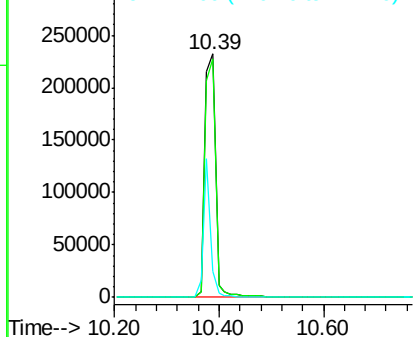
#41
 2,4,6-Tribromophenol
 Concen: 91.84 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.06 min
 Lab File: BF087229.D
 Acq: 20 May 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 PB90711BL

Tgt Ion:330 Resp: 333364
 Ion Ratio Lower Upper
 330 100
 332 97.0 79.0 118.4
 141 38.2 31.2 46.8

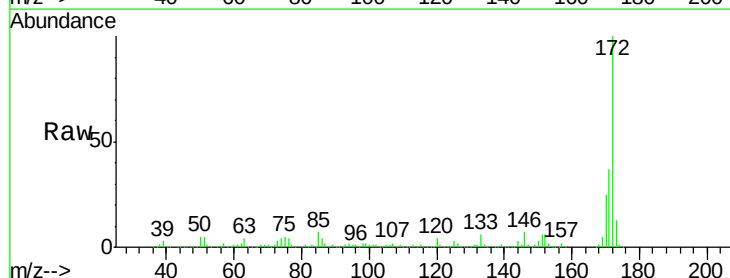


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

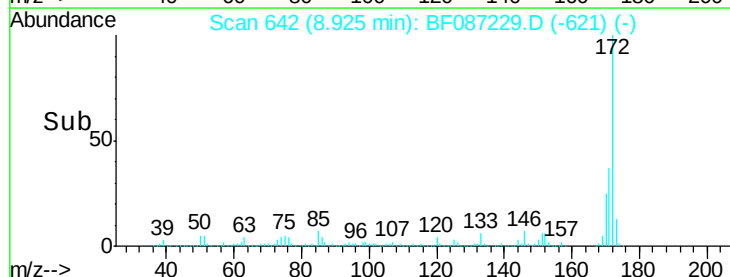
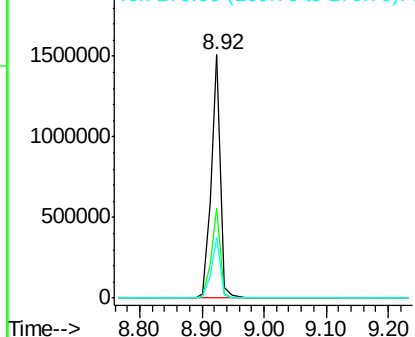


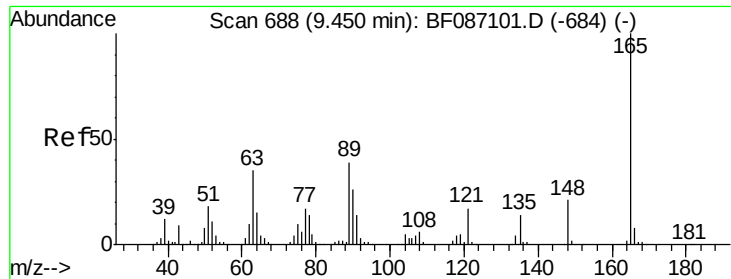
#44
 2-Fluorobiphenyl
 Concen: 77.67 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.06 min
 Lab File: BF087229.D
 Acq: 20 May 2016 17:30

Tgt Ion:172 Resp: 1540462
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.0 43.6
 170 25.1 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

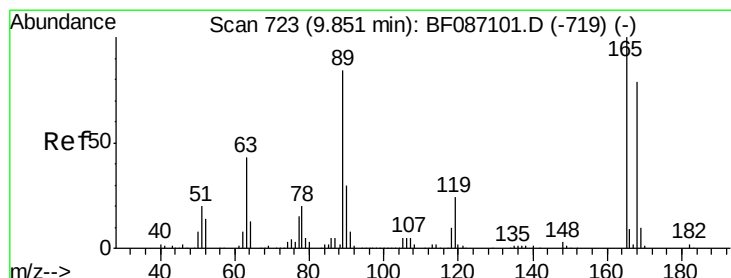
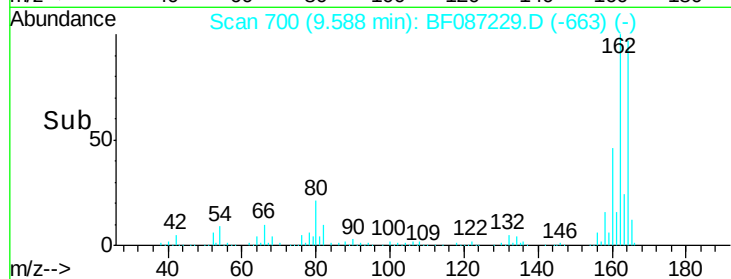
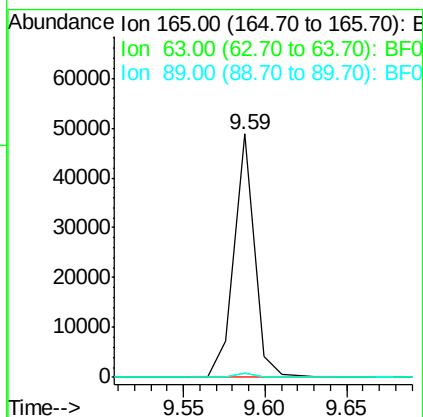
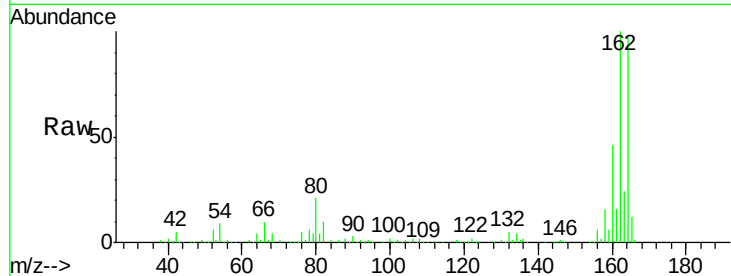




#50
 2,6-Dinitrotoluene
 Concen: 7.72 ng
 RT: 9.59 min Scan# 700
 Delta R.T. 0.13 min
 Lab File: BF087229.D
 Acq: 20 May 2016 17:30

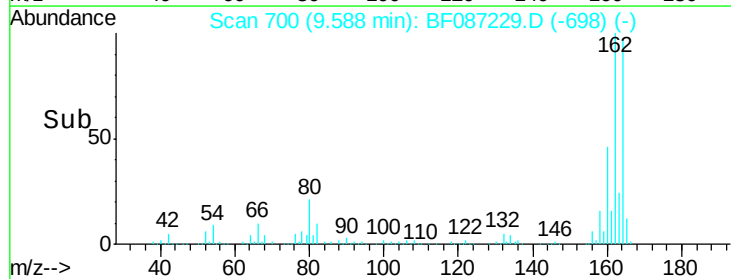
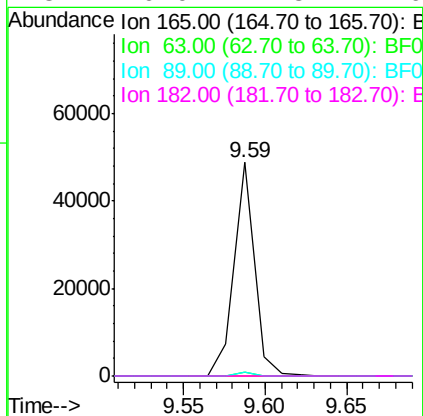
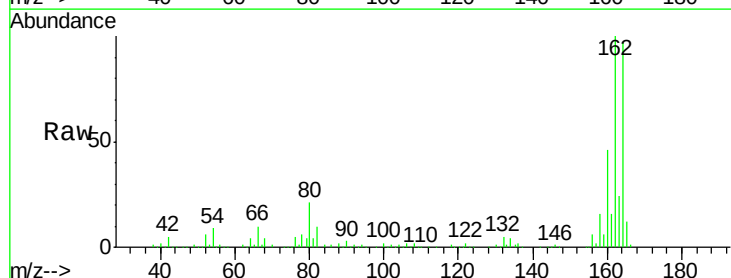
Instrument :
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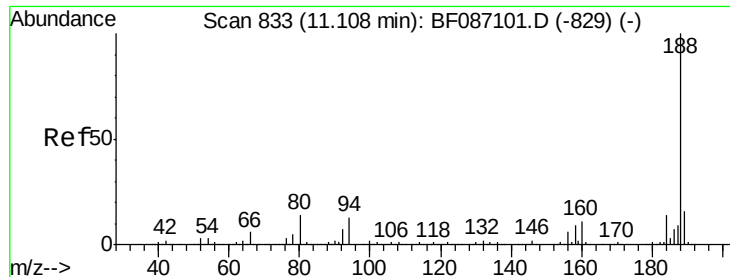
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	51.8	77.8#
89	1.8	50.7	76.1#



#56
 2,4-Dinitrotoluene
 Concen: 6.03 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.27 min
 Lab File: BF087229.D
 Acq: 20 May 2016 17:30

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

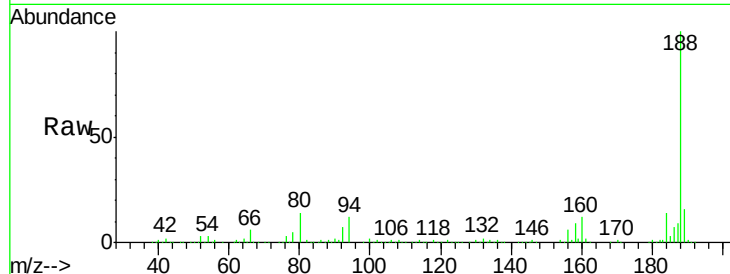




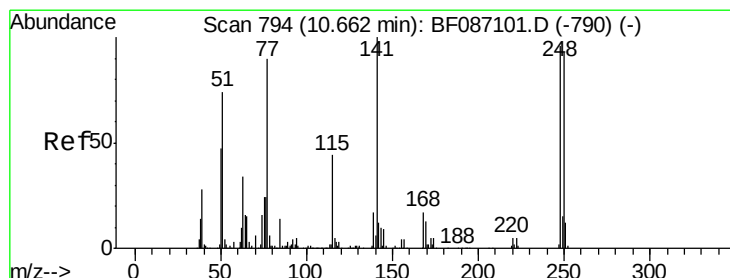
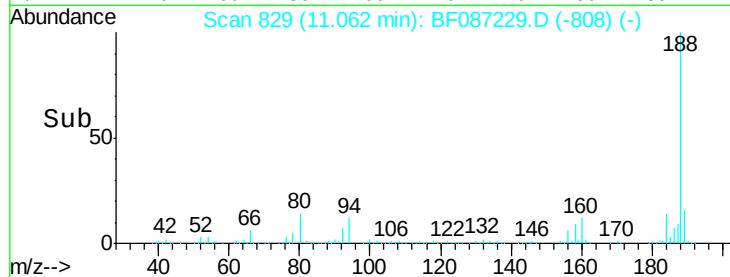
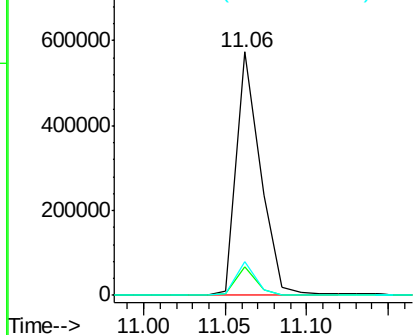
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF087229.D
Acq: 20 May 2016 17:30

Instrument :
BNA_F
ClientSampleId :
PB90711BL

Tgt Ion:188 Resp: 585468
Ion Ratio Lower Upper
188 100
94 12.0 6.8 10.2#
80 13.7 7.1 10.7#

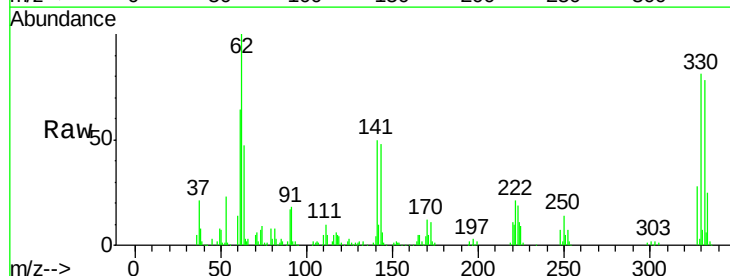


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

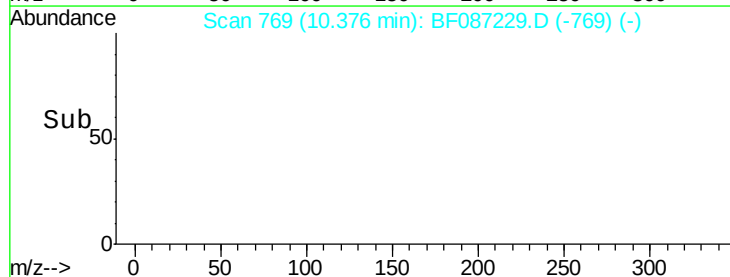
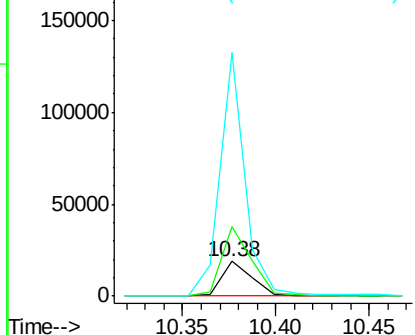


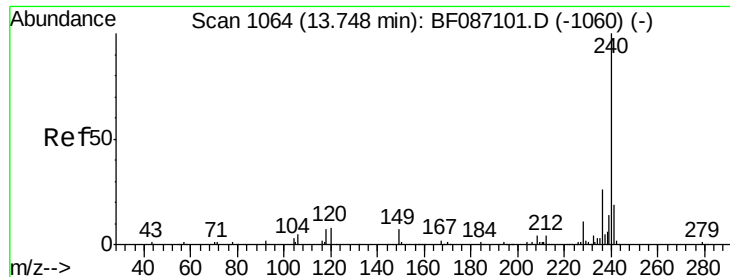
#66
4-Bromophenyl-phenylether
Concen: 3.52 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.30 min
Lab File: BF087229.D
Acq: 20 May 2016 17:30

Tgt Ion:248 Resp: 21212
Ion Ratio Lower Upper
248 100
250 199.7 78.6 117.8#
141 697.0 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: 13.69 min Scan# 1059

Delta R.T. -0.07 min

Lab File: BF087229.D

Acq: 20 May 2016 17:30

Instrument :

BNA_F

ClientSampleId :

PB90711BL

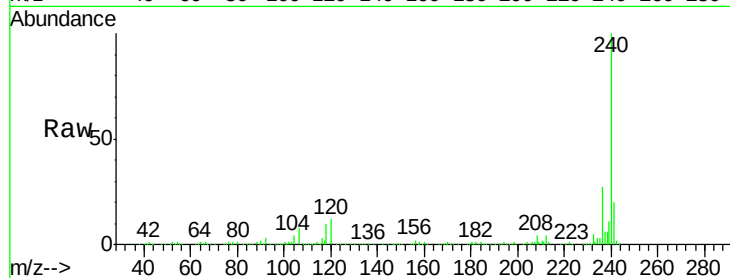
Tgt Ion:240 Resp: 481404

Ion Ratio Lower Upper

240 100

120 11.6 11.2 16.8

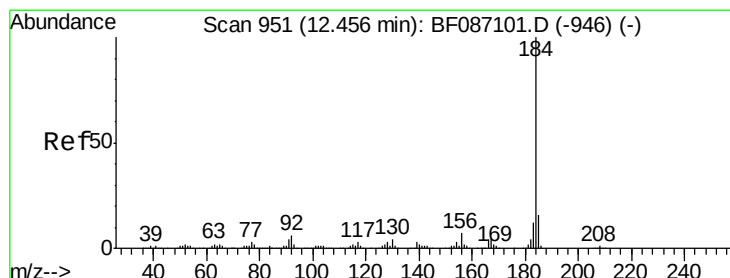
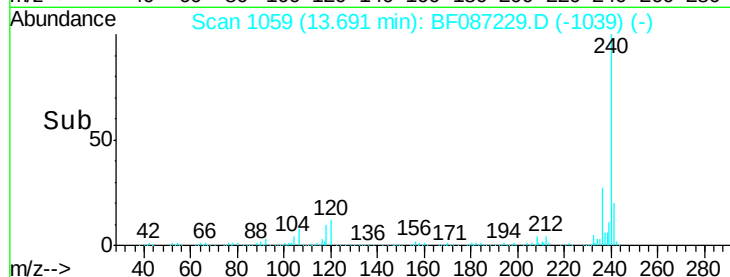
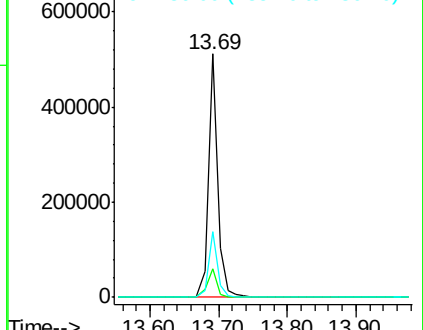
236 27.0 21.2 31.8



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: 2.13 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.18 min

Lab File: BF087229.D

Acq: 20 May 2016 17:30

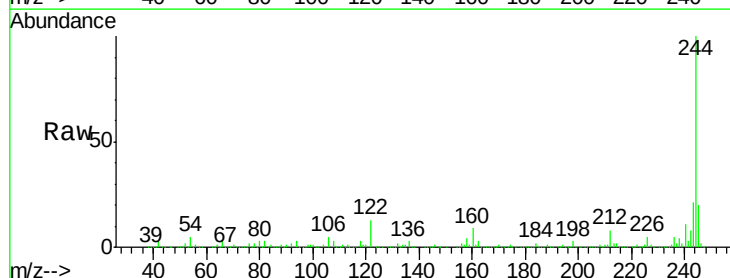
Tgt Ion:184 Resp: 21157

Ion Ratio Lower Upper

184 100

185 15.8 13.6 20.4

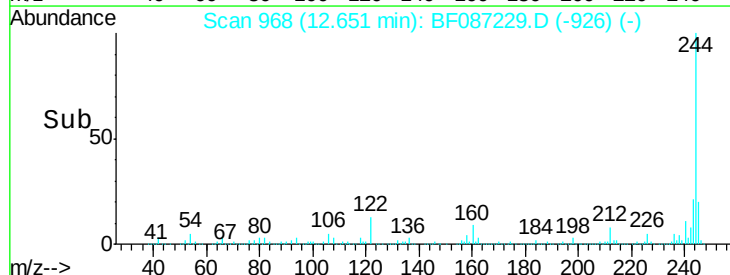
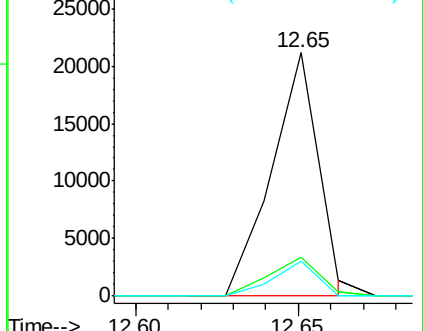
183 14.3 9.8 14.6

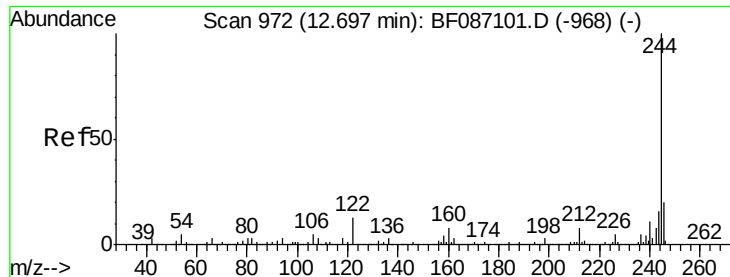


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

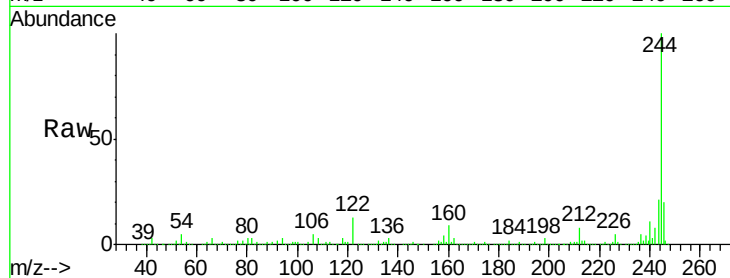




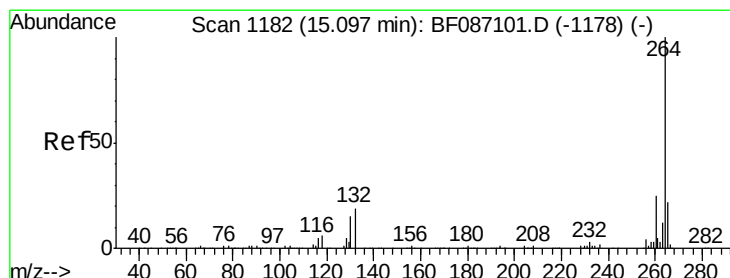
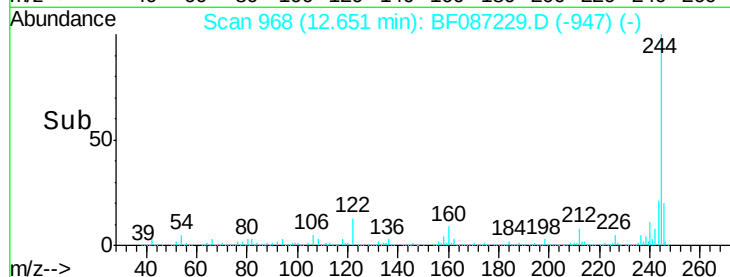
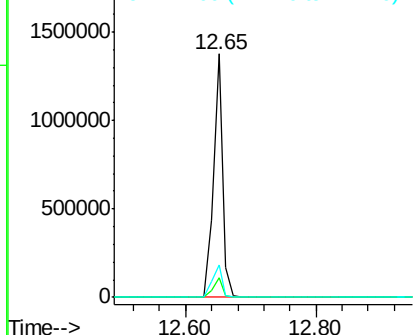
#78
 Terphenyl-d14
 Concen: 65.21 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.06 min
 Lab File: BF087229.D
 Acq: 20 May 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 PB90711BL

Tgt Ion:244 Resp: 1387770
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 13.3 12.0 18.0

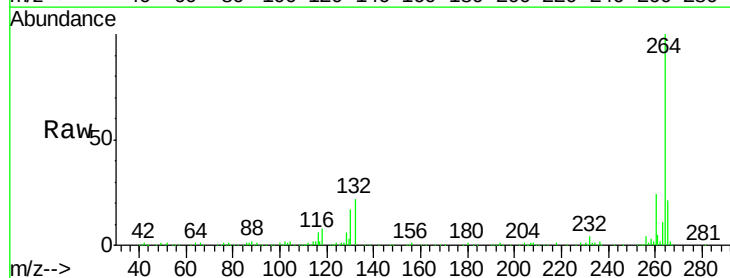


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.04 min Scan# 1177
 Delta R.T. -0.07 min
 Lab File: BF087229.D
 Acq: 20 May 2016 17:30

Tgt Ion:264 Resp: 353667
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.5 29.3
 265 21.1 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

