

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
 Data File : BF087232.D
 Acq On : 20 May 2016 18:58
 Operator : UM/SJ
 Sample : PB90771BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90771BL

Quant Time: May 20 23:23:31 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

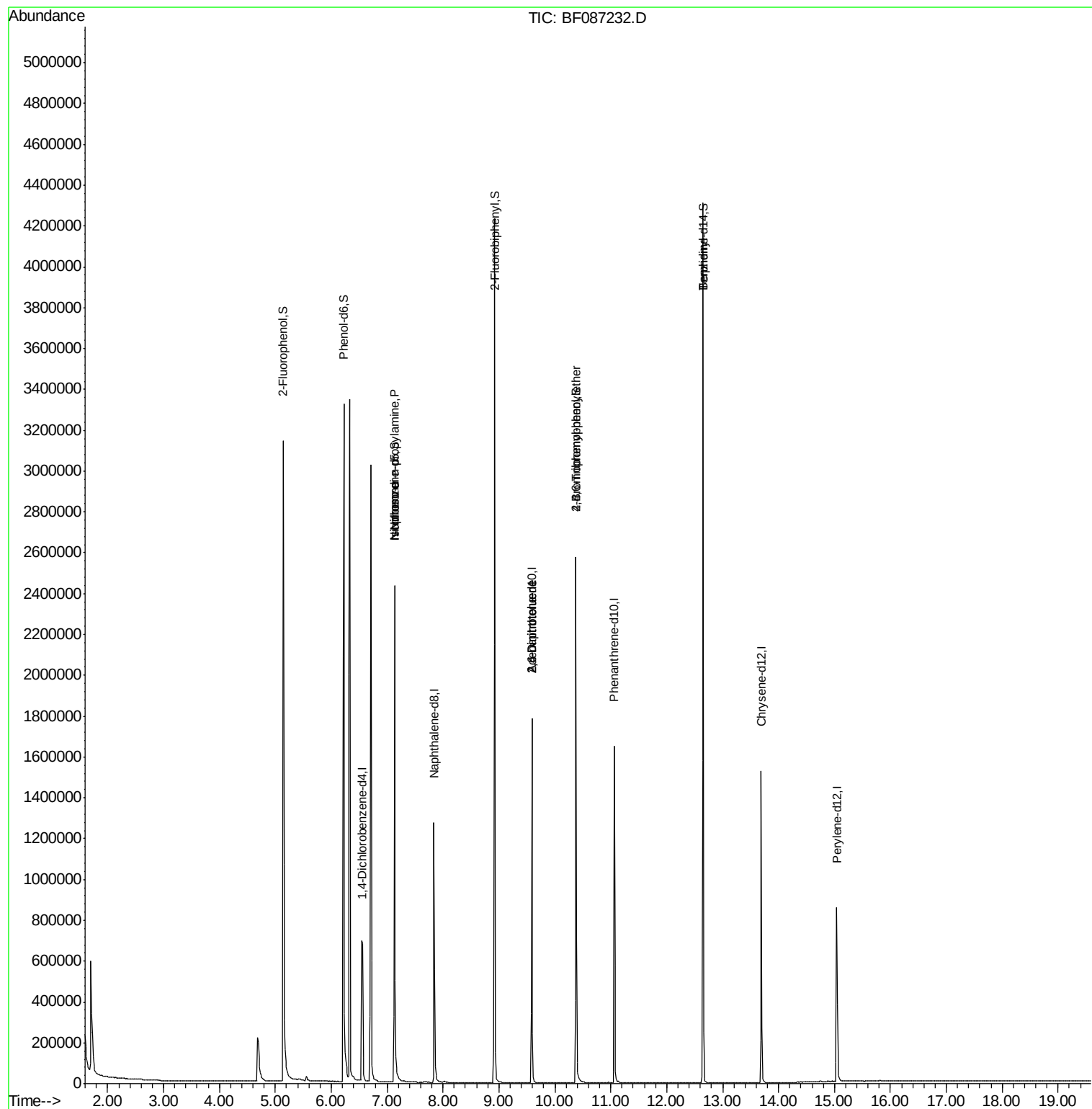
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	152190	20.00	ng	-0.05
21) Naphthalene-d8	7.84	136	641078	20.00	ng	-0.06
38) Acenaphthene-d10	9.59	164	337943	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	632091	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	518314	20.00	ng	-0.07
86) Perylene-d12	15.04	264	360044	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	864778	95.51	ng	-0.06
7) Phenol-d6	6.23	99	1316266	108.39	ng	-0.06
23) Nitrobenzene-d5	7.13	82	774703	60.23	ng	-0.06
41) 2,4,6-Tribromophenol	10.38	330	288675	77.30	ng	-0.07
44) 2-Fluorobiphenyl	8.92	172	1473741	72.22	ng	-0.06
78) Terphenyl-d14	12.65	244	1326161	57.88	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.13	70	108919	11.80	ng	# 73
25) Isophorone	7.13	82	701277	29.78	ng	# 68
50) 2,6-Dinitrotoluene	9.59	165	42391	7.57	ng	# 21
56) 2,4-Dinitrotoluene	9.59	165	42391	5.91	ng	# 16
66) 4-Bromophenyl-phenylether	10.38	248	19379	2.98	ng	# 1
76) Benzidine	12.65	184	20838	2.04	ng	97

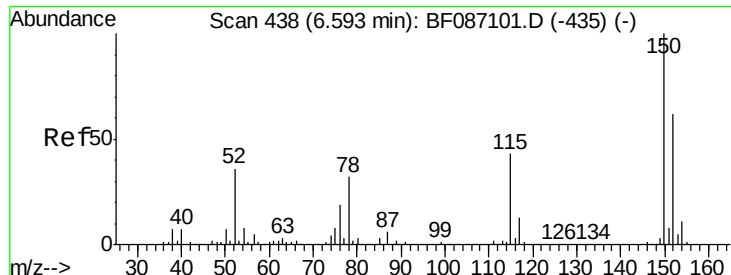
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF087232.D

Acq: 20 May 2016 18:58

Instrument :

BNA_F

ClientSampleId :

PB90771BL

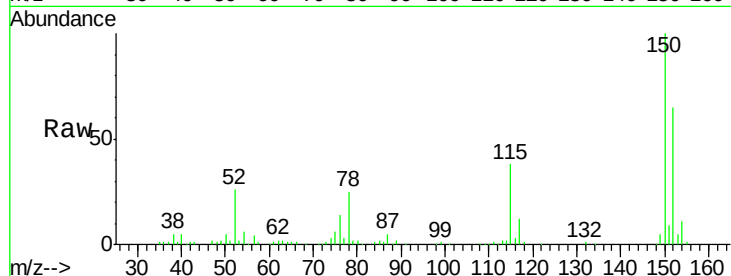
Tgt Ion:152 Resp: 152190

Ion Ratio Lower Upper

152 100

150 153.9 125.8 188.6

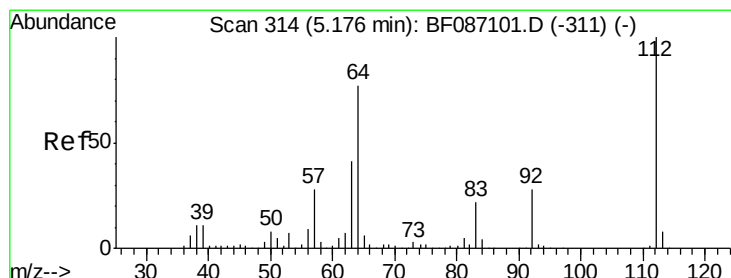
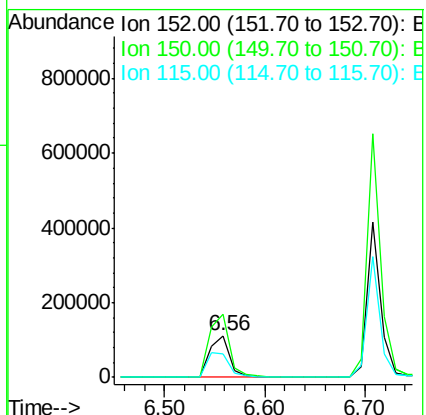
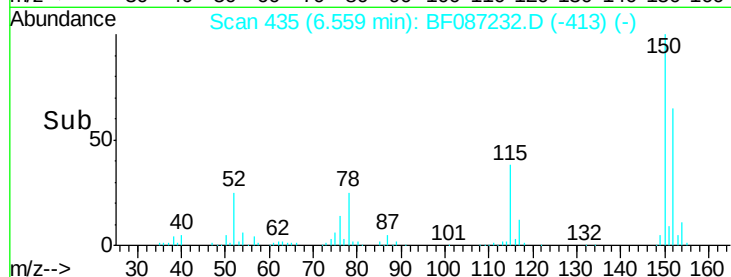
115 58.1 51.5 77.3



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: 95.51 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.06 min

Lab File: BF087232.D

Acq: 20 May 2016 18:58

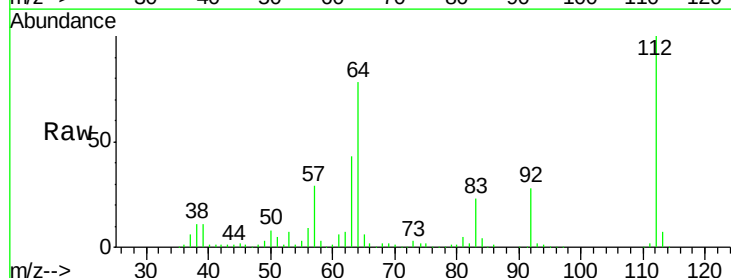
Tgt Ion:112 Resp: 864778

Ion Ratio Lower Upper

112 100

64 77.6 52.1 78.1

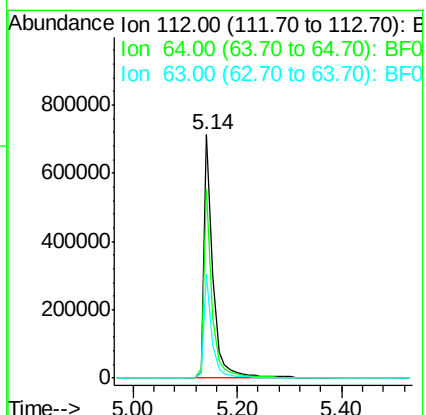
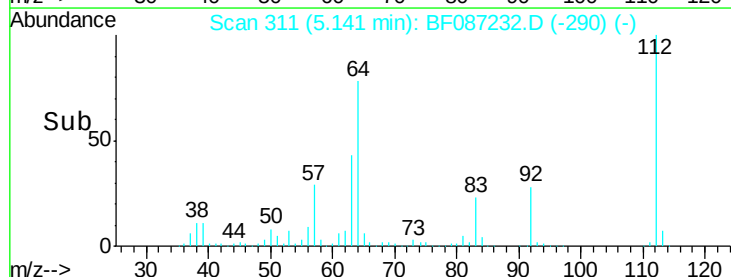
63 42.5 25.7 38.5#

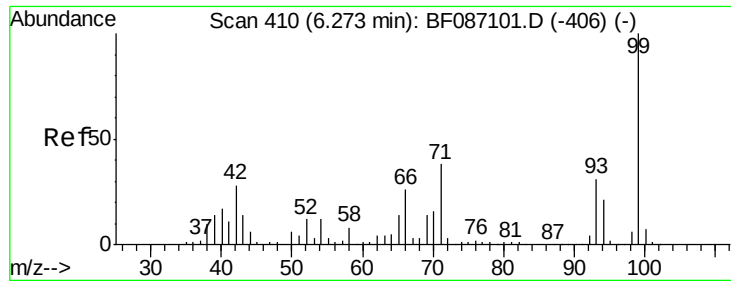


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.39 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF087232.D

Acq: 20 May 2016 18:58

Instrument :

BNA_F

ClientSampleId :

PB90771BL

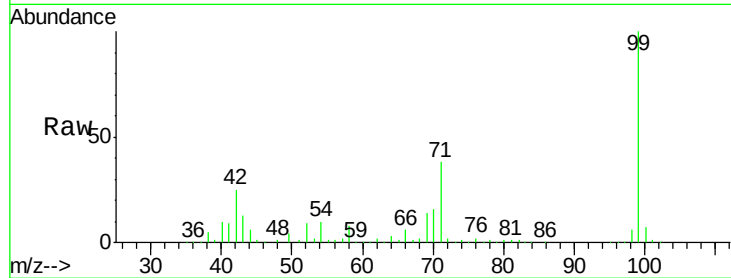
Tgt Ion: 99 Resp: 1316266

Ion Ratio Lower Upper

99 100

42 25.5 13.6 20.4#

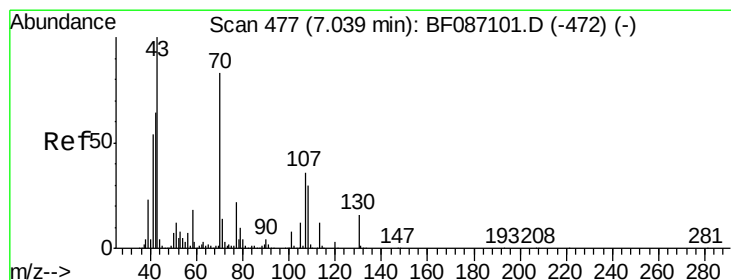
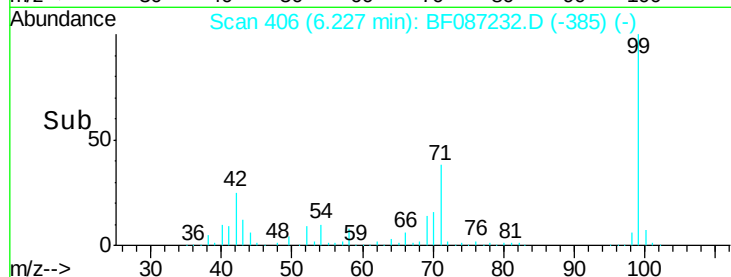
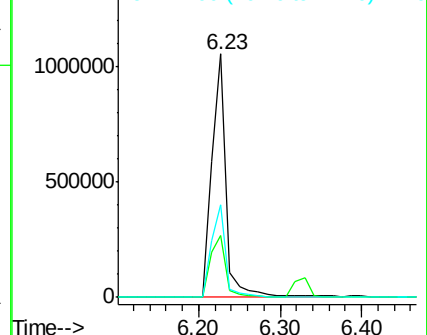
71 37.8 24.6 36.8#



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: 11.80 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.08 min

Lab File: BF087232.D

Acq: 20 May 2016 18:58

Tgt Ion: 70 Resp: 108919

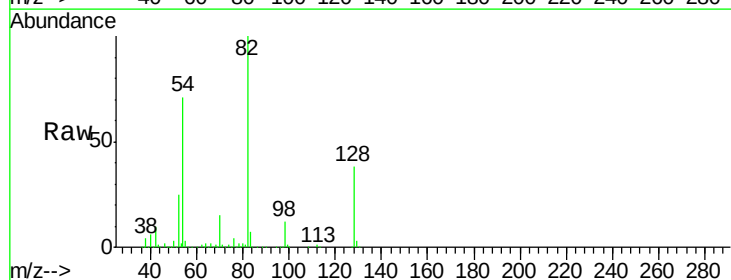
Ion Ratio Lower Upper

70 100

42 67.8 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

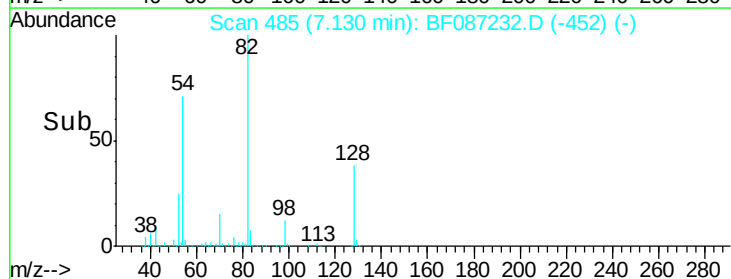
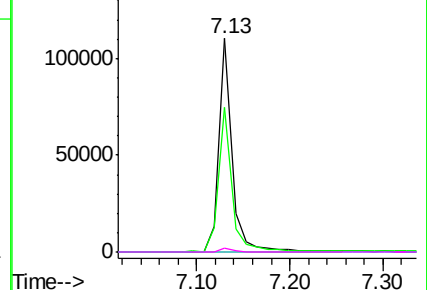


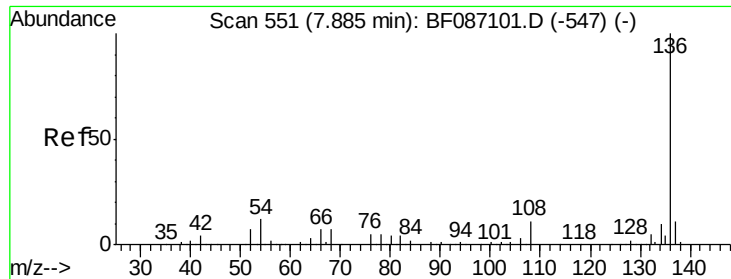
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

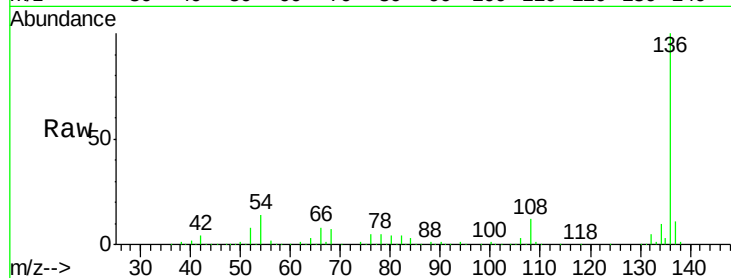




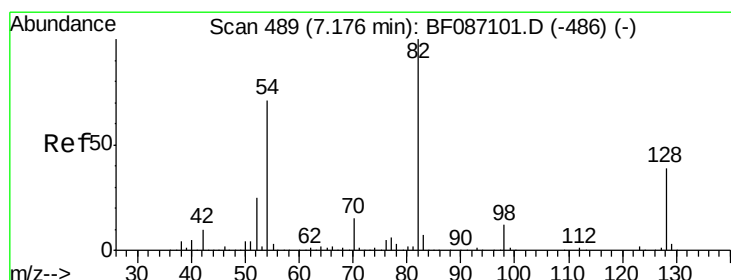
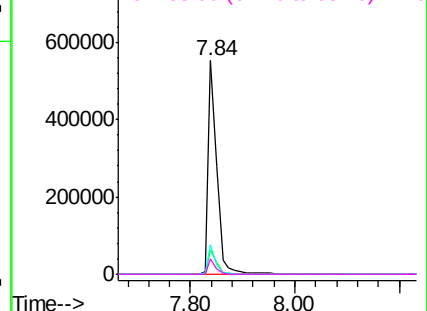
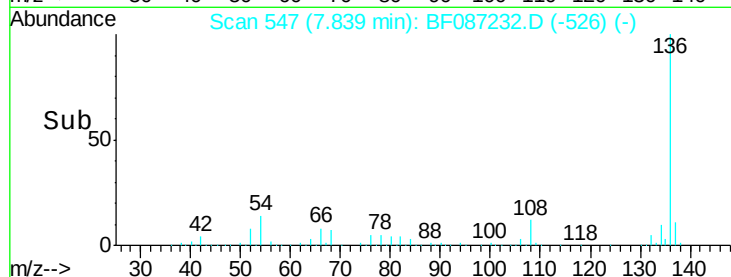
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF087232.D
Acq: 20 May 2016 18:58

Instrument :
BNA_F
ClientSampleId :
PB90771BL

Tgt Ion:	136	Resp:	641078
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	13.6	5.0	7.4#
68	7.1	4.4	6.6#

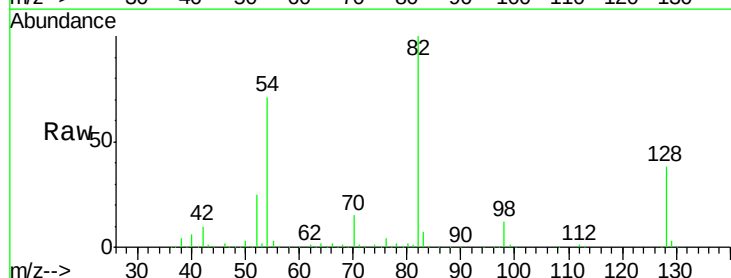


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

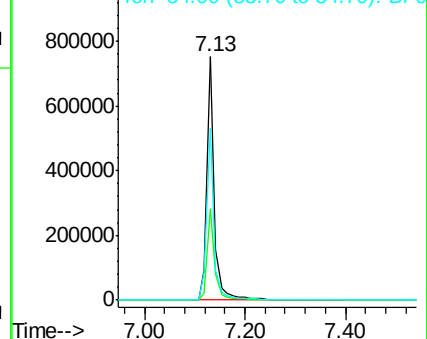
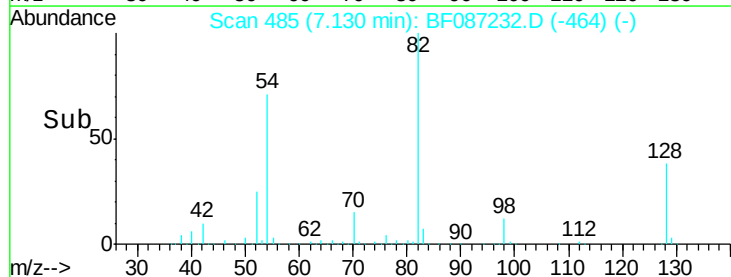


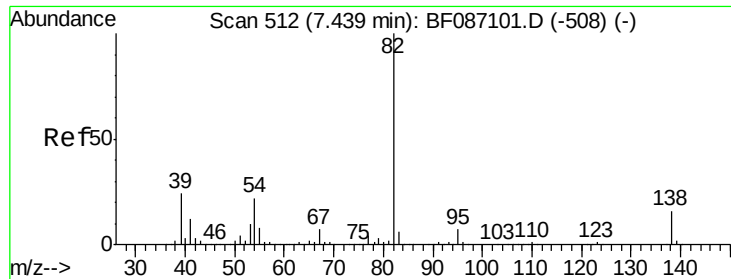
#23
Nitrobenzene-d5
Concen: 60.23 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.06 min
Lab File: BF087232.D
Acq: 20 May 2016 18:58

Tgt Ion:	82	Resp:	774703
Ion	Ratio	Lower	Upper
82	100		
128	37.5	40.6	61.0#
54	70.8	38.1	57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 29.78 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.32 min

Lab File: BF087232.D

Acq: 20 May 2016 18:58

Instrument :

BNA_F

ClientSampleId :

PB90771BL

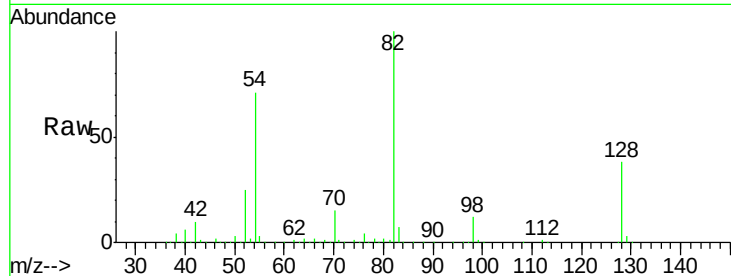
Tgt Ion: 82 Resp: 701277

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

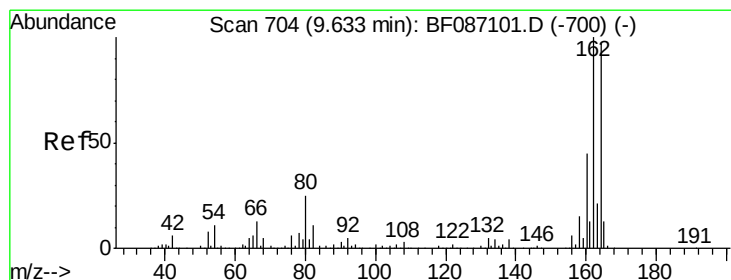
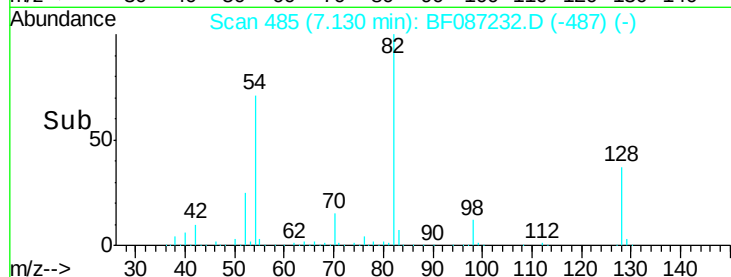
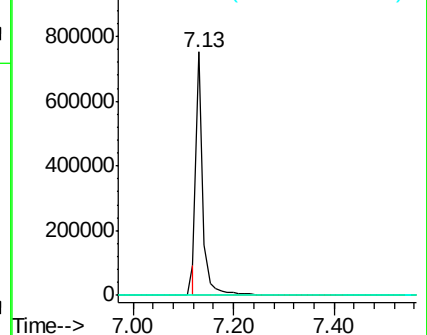
138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF087232.D

Acq: 20 May 2016 18:58

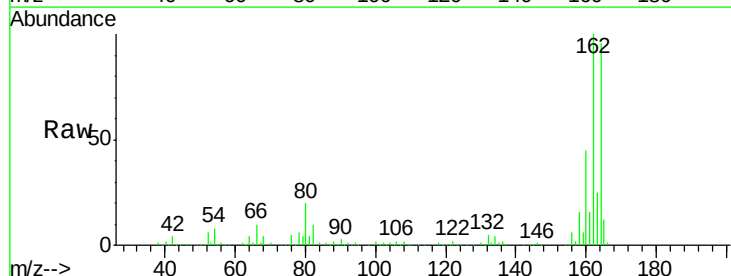
Tgt Ion: 164 Resp: 337943

Ion Ratio Lower Upper

164 100

162 104.6 82.8 124.2

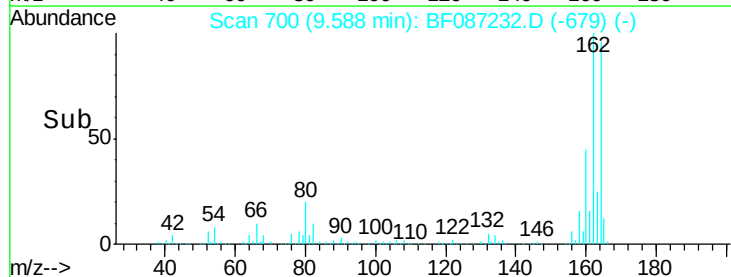
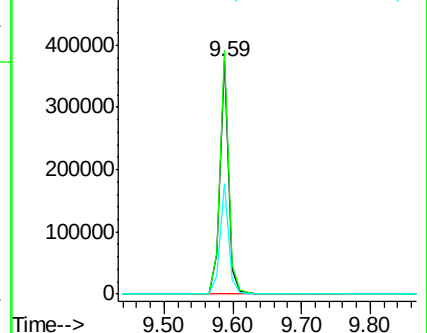
160 47.4 36.9 55.3

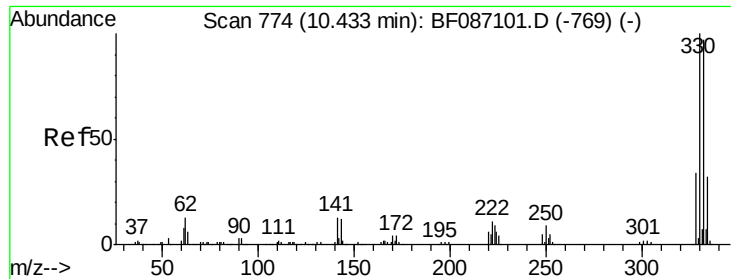


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

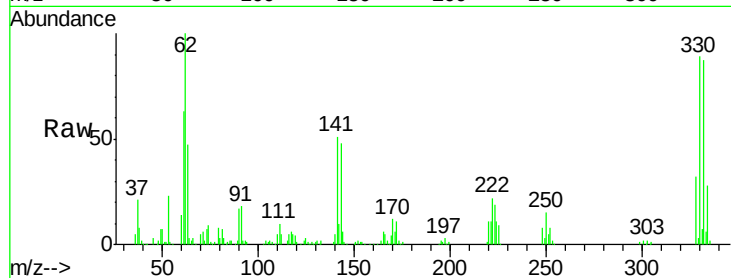




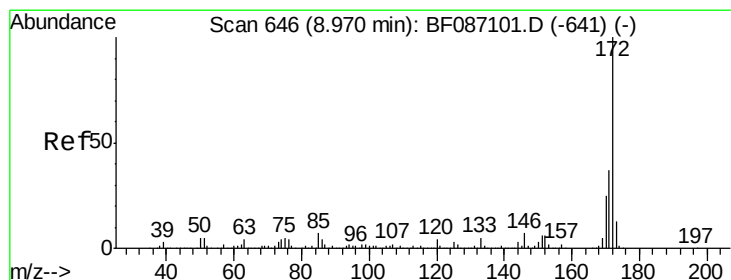
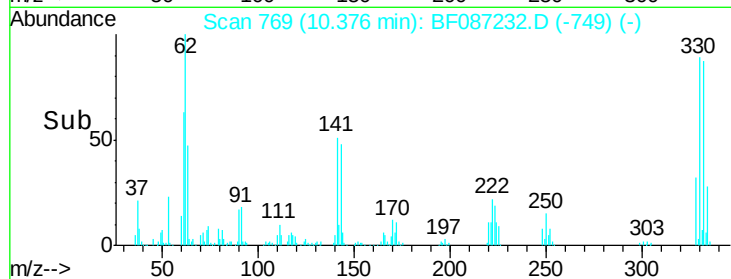
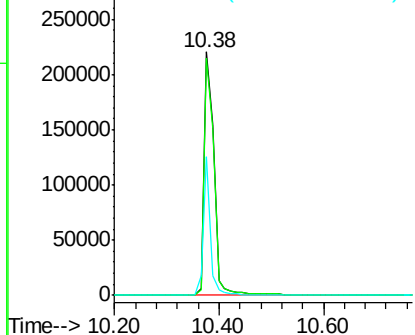
#41
 2,4,6-Tribromophenol
 Concen: 77.30 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.07 min
 Lab File: BF087232.D
 Acq: 20 May 2016 18:58

Instrument :
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 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	79.0	118.4
141	41.7	31.2	46.8

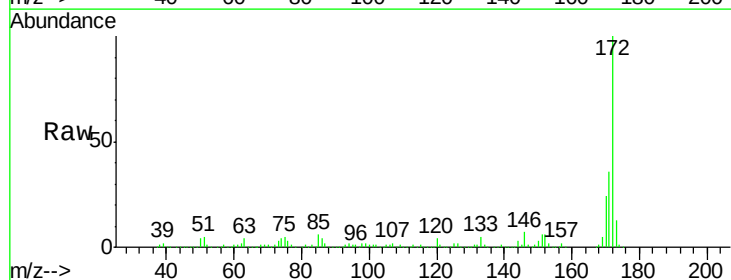


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

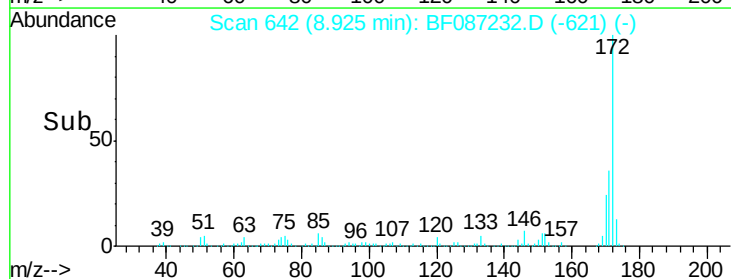
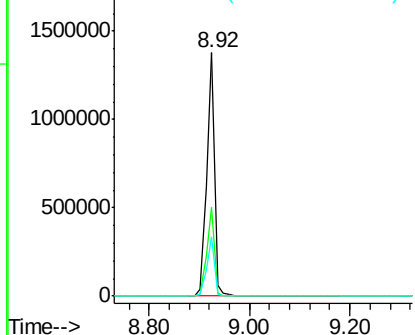


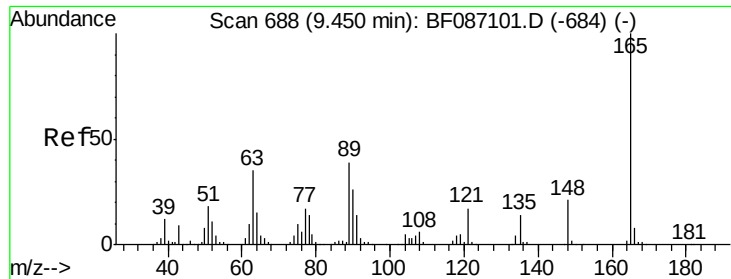
#44
 2-Fluorobiphenyl
 Concen: 72.22 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.06 min
 Lab File: BF087232.D
 Acq: 20 May 2016 18:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.6
170	24.4	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

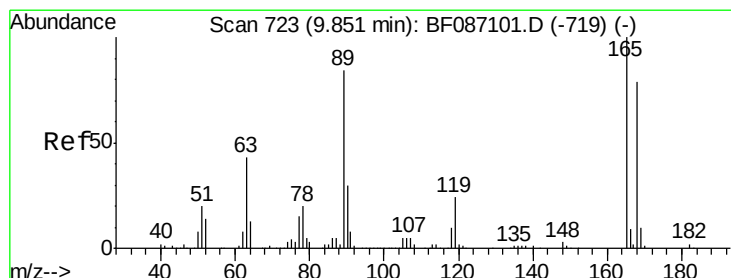
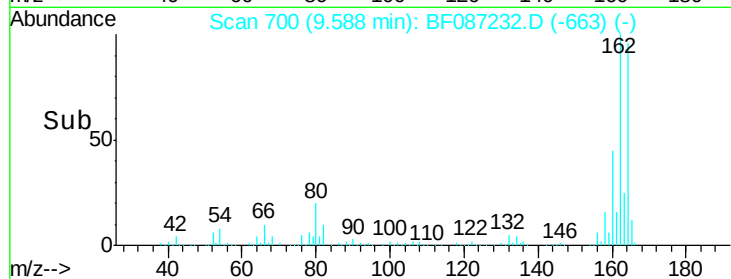
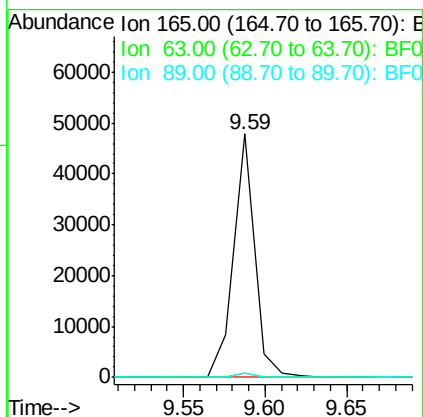
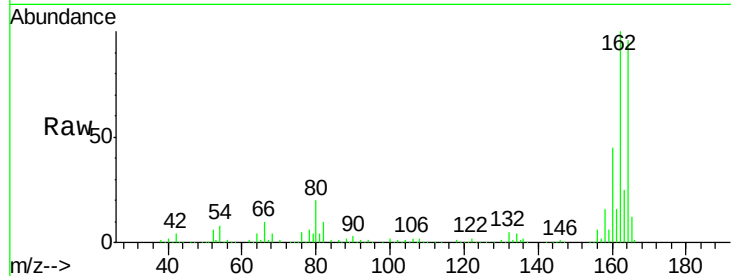




#50
 2,6-Dinitrotoluene
 Concen: 7.57 ng
 RT: 9.59 min Scan# 700
 Delta R.T. 0.13 min
 Lab File: BF087232.D
 Acq: 20 May 2016 18:58

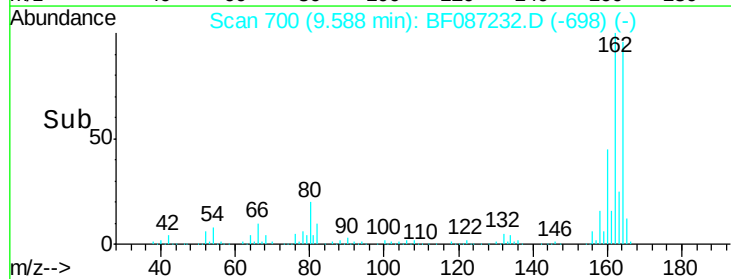
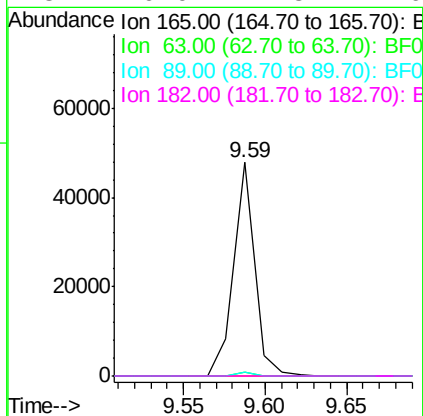
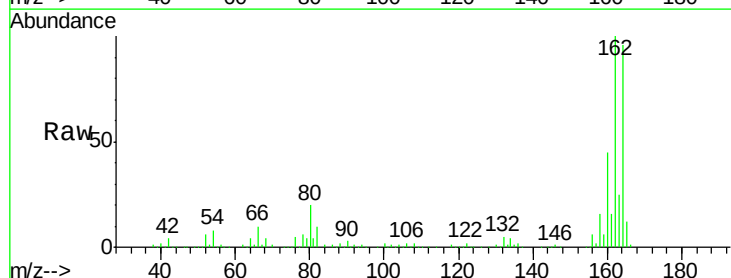
Instrument :
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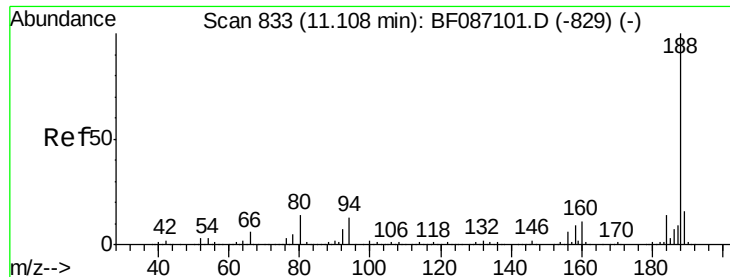
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	51.8	77.8#
89	1.8	50.7	76.1#



#56
 2,4-Dinitrotoluene
 Concen: 5.91 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.27 min
 Lab File: BF087232.D
 Acq: 20 May 2016 18:58

Tgt 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#

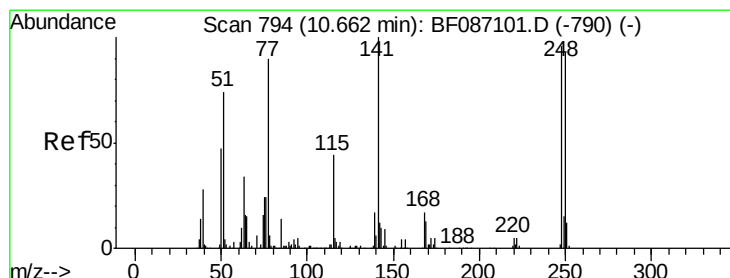
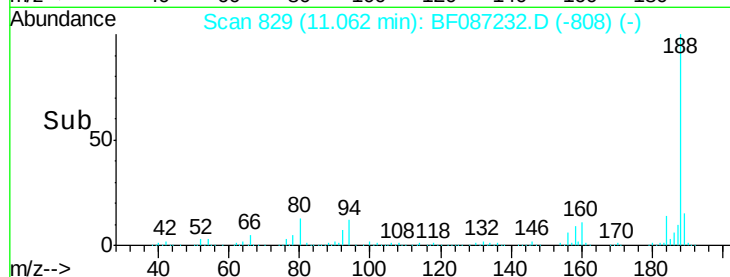
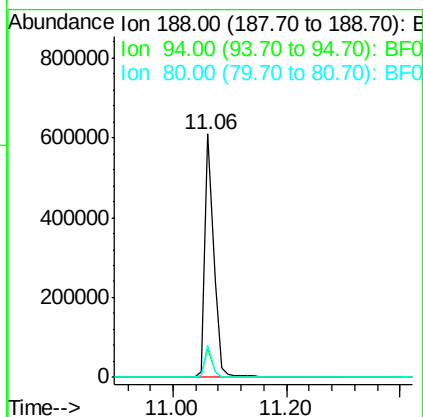
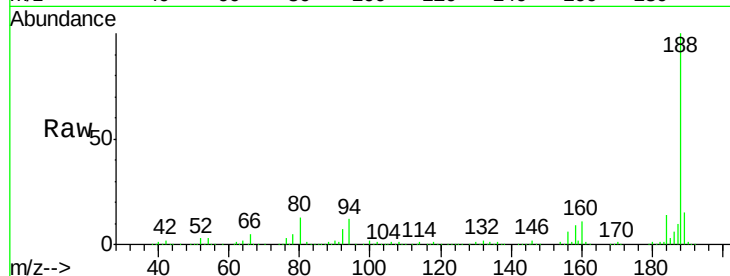




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.06 min Scan# 829
 Delta R.T. -0.06 min
 Lab File: BF087232.D
 Acq: 20 May 2016 18:58

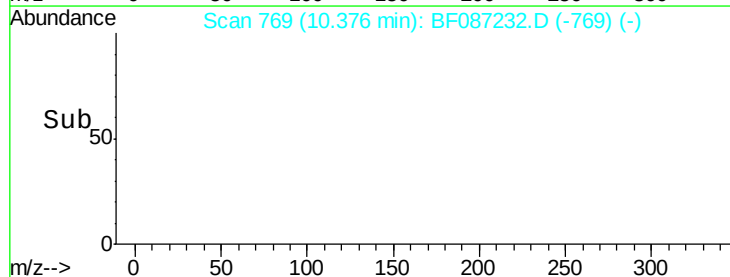
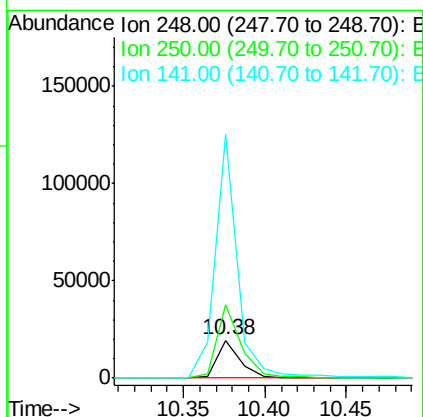
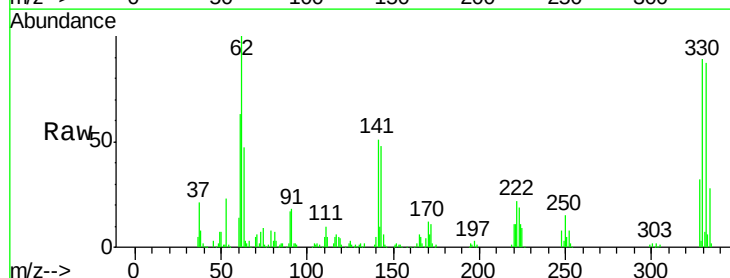
Instrument :
 BNA_F
 ClientSampleId :
 PB90771BL

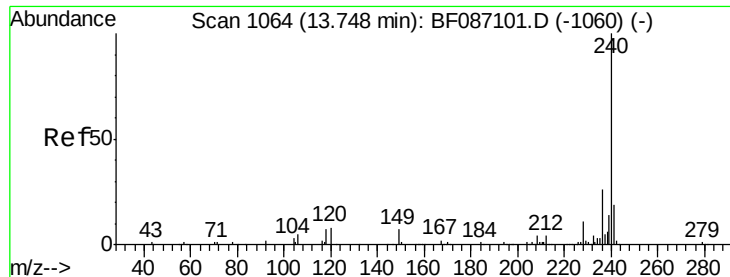
Tgt Ion:188 Resp: 632091
 Ion Ratio Lower Upper
 188 100
 94 11.7 6.8 10.2#
 80 13.4 7.1 10.7#



#66
 4-Bromophenyl-phenylether
 Concen: 2.98 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.30 min
 Lab File: BF087232.D
 Acq: 20 May 2016 18:58

Tgt Ion:248 Resp: 19379
 Ion Ratio Lower Upper
 248 100
 250 195.9 78.6 117.8#
 141 644.4 76.0 114.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.07 min

Lab File: BF087232.D

Acq: 20 May 2016 18:58

Instrument :

BNA_F

ClientSampleId :

PB90771BL

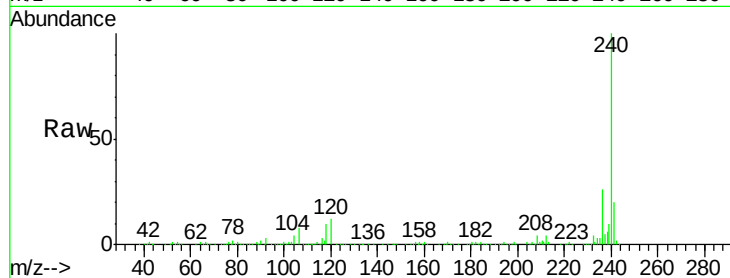
Tgt Ion:240 Resp: 518314

Ion Ratio Lower Upper

240 100

120 11.6 11.2 16.8

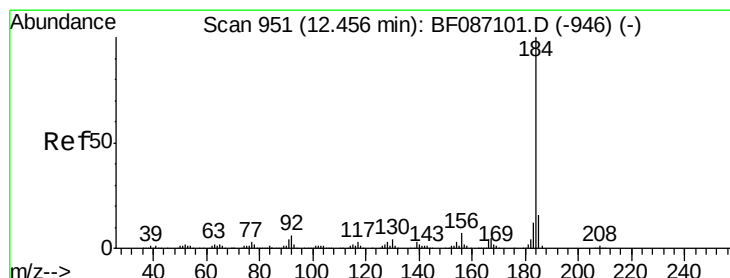
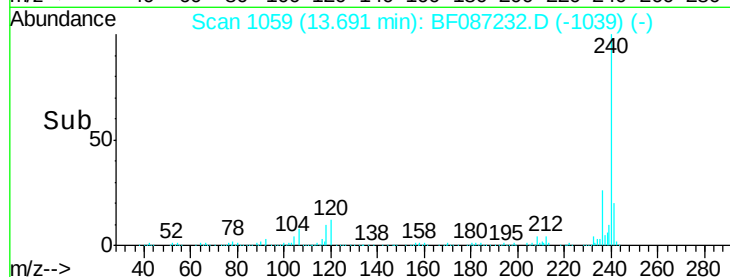
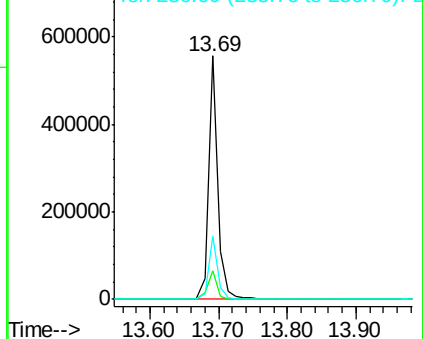
236 26.0 21.2 31.8



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: 2.04 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.18 min

Lab File: BF087232.D

Acq: 20 May 2016 18:58

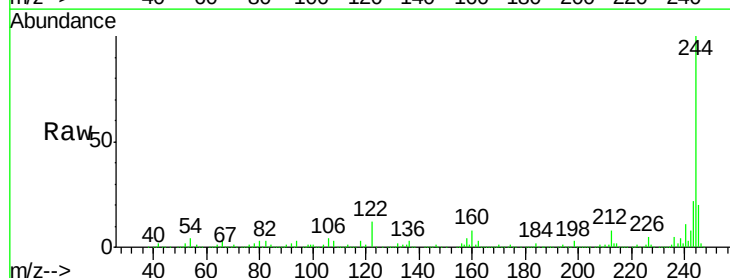
Tgt Ion:184 Resp: 20838

Ion Ratio Lower Upper

184 100

185 17.6 13.6 20.4

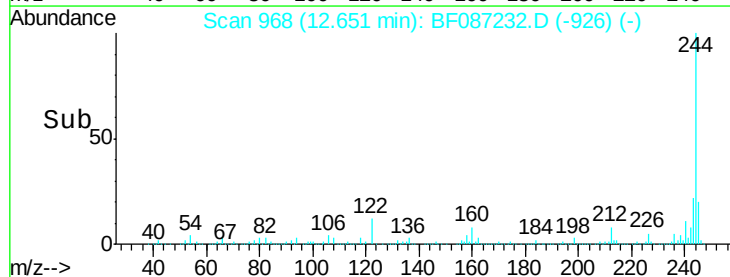
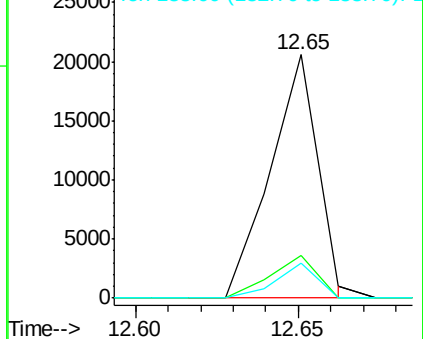
183 14.3 9.8 14.6

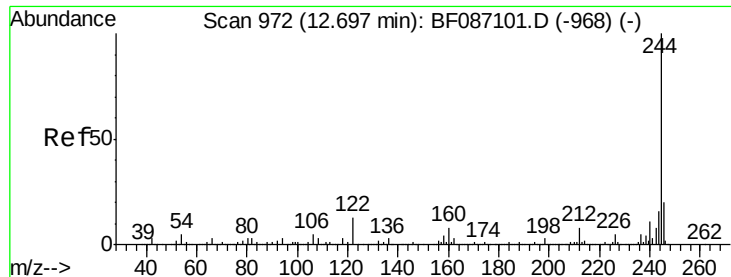


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 57.88 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.06 min

Lab File: BF087232.D

Acq: 20 May 2016 18:58

Instrument :

BNA_F

ClientSampleId :

PB90771BL

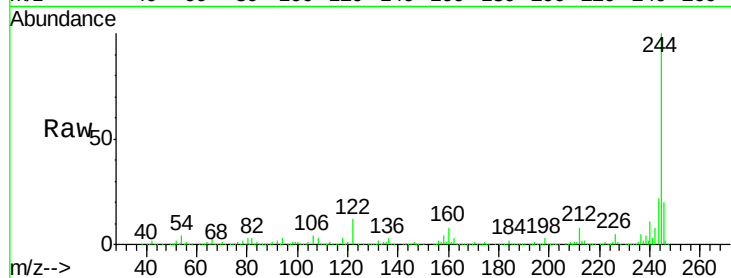
Tgt Ion:244 Resp: 1326161

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

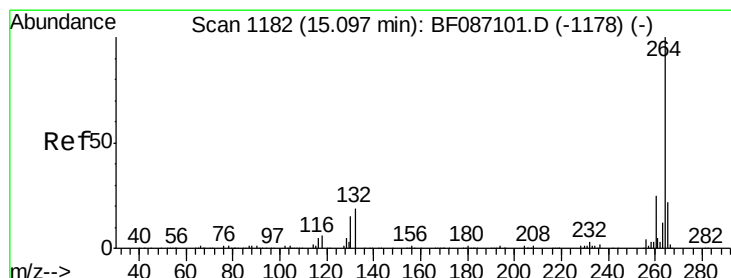
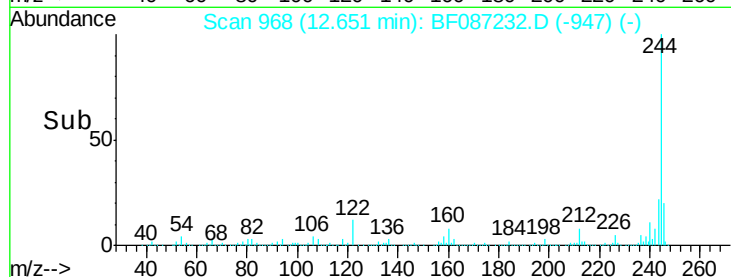
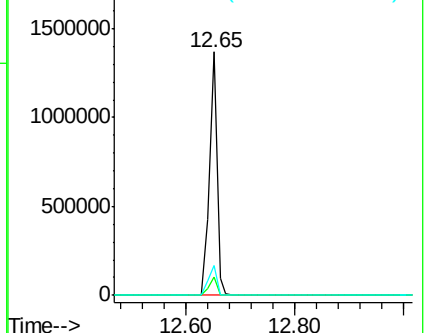
122 12.1 12.0 18.0



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: 15.04 min Scan# 1177

Delta R.T. -0.07 min

Lab File: BF087232.D

Acq: 20 May 2016 18:58

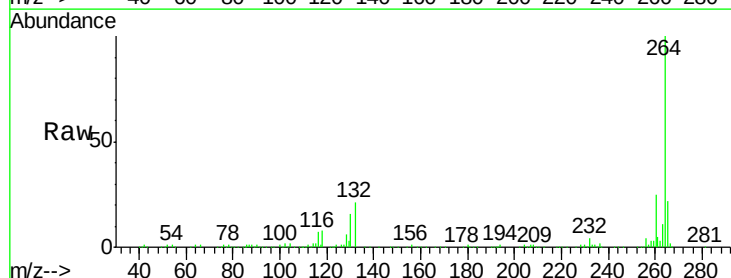
Tgt Ion:264 Resp: 360044

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 22.3 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

