

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087030.D
 Acq On : 14 May 2016 20:09
 Operator : UM/SJ
 Sample : PB90419BL
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90419BL

Quant Time: May 16 04:45:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

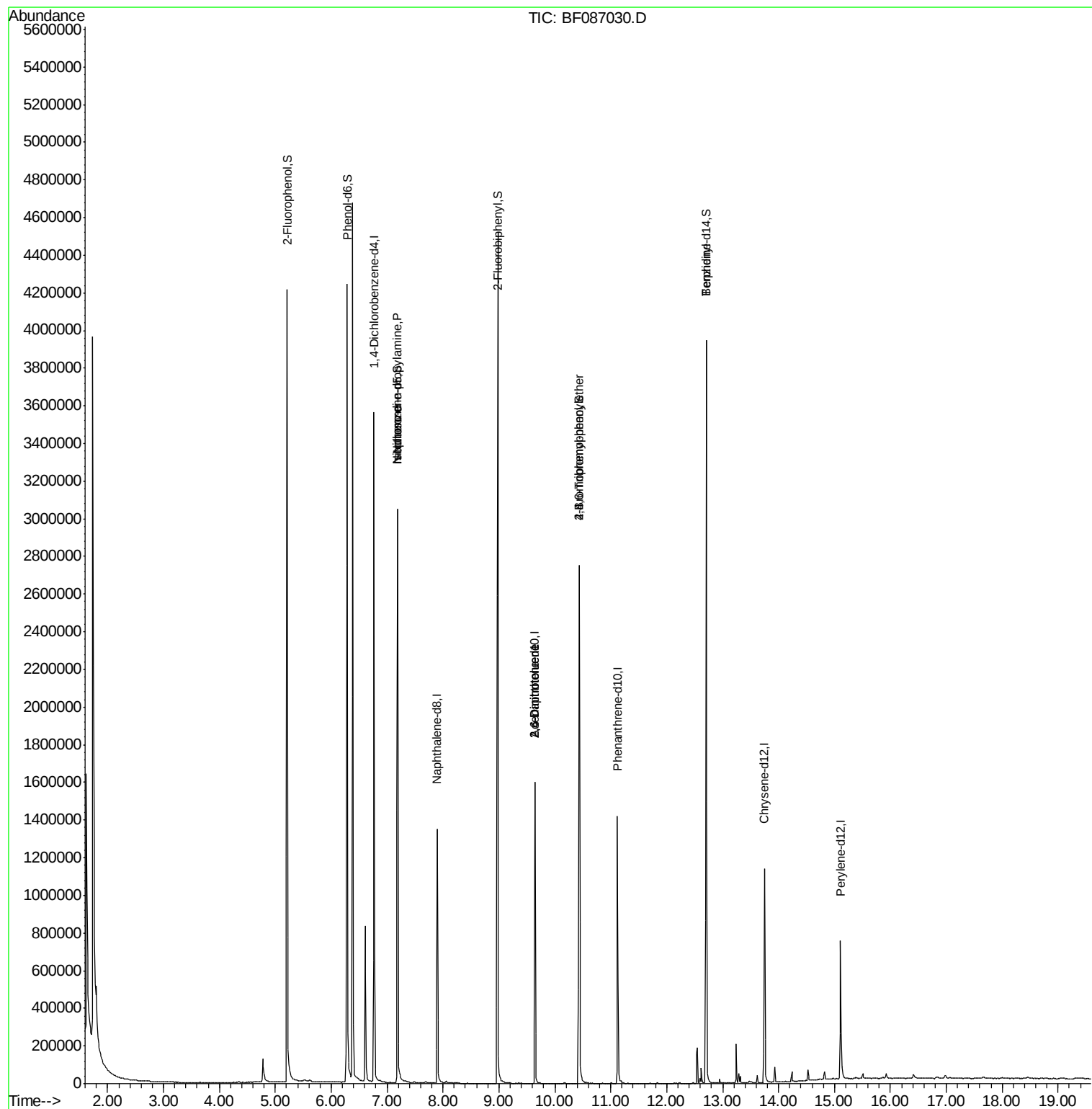
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	488731	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	620832	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	308088	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	564503	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	389065	20.00	ng	-0.09
86) Perylene-d12	15.11	264	327070	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1077251	37.33	ng	-0.08
7) Phenol-d6	6.28	99	1607255	41.67	ng	-0.08
23) Nitrobenzene-d5	7.19	82	1068985	86.46	ng	-0.08
41) 2,4,6-Tribromophenol	10.43	330	339274	104.02	ng	-0.09
44) 2-Fluorobiphenyl	8.98	172	1682414	91.78	ng	-0.08
78) Terphenyl-d14	12.71	244	1374109	74.94	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	152793	5.67	ng	# 74
25) Isophorone	7.19	82	1048790	45.72	ng	# 68
50) 2,6-Dinitrotoluene	9.64	165	39785	8.04	ng	# 21
56) 2,4-Dinitrotoluene	9.64	165	39778	6.50	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	20118	3.52	ng	# 1
76) Benzidine	12.71	184	20837	2.10	ng	98

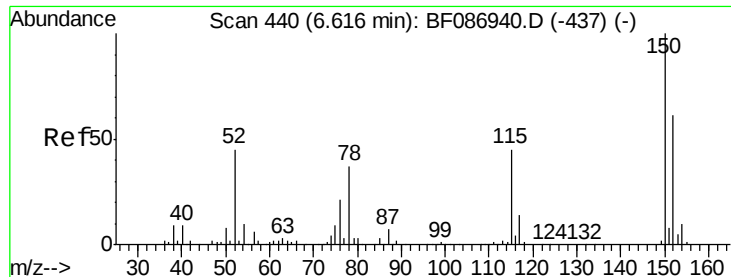
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
Data File : BF087030.D
Acq On : 14 May 2016 20:09
Operator : UM/SJ
Sample : PB90419BL
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB90419BL

Quant Time: May 16 04:45:59 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 13 14:55:23 2016
Response via : Initial Calibration



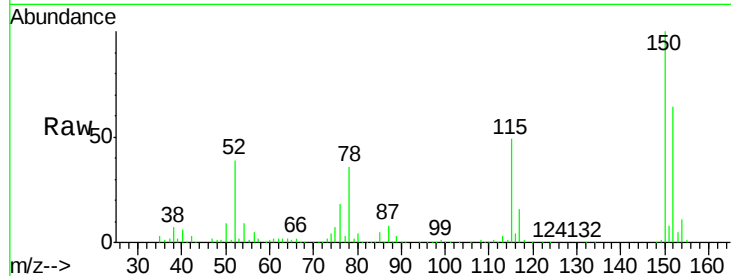


#1

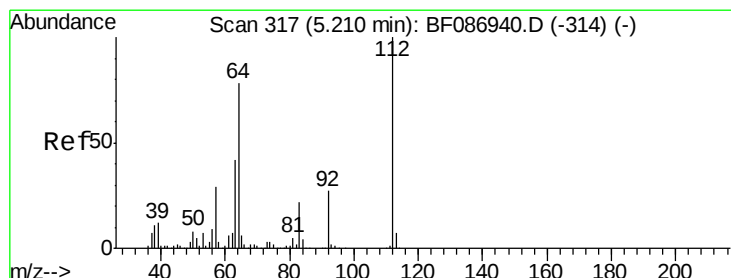
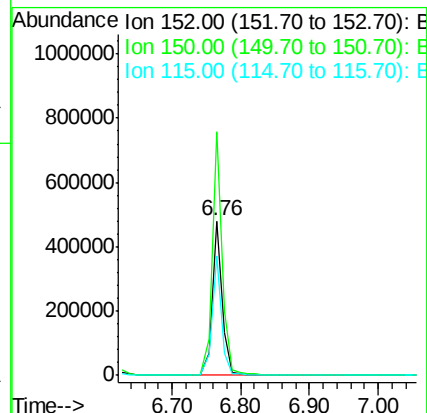
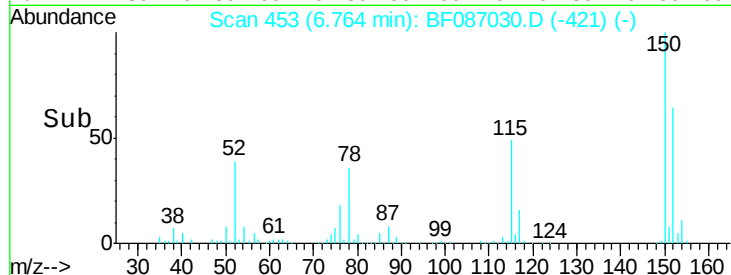
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 453
Delta R.T. 0.07 min
Lab File: BF087030.D
Acq: 14 May 2016 20:09

Instrument :
BNA_F
ClientSampleID :
PB90419BL

Tgt Ion:152 Resp: 488731
Ion Ratio Lower Upper
152 100
150 157.4 125.8 188.6
115 77.2 51.5 77.3



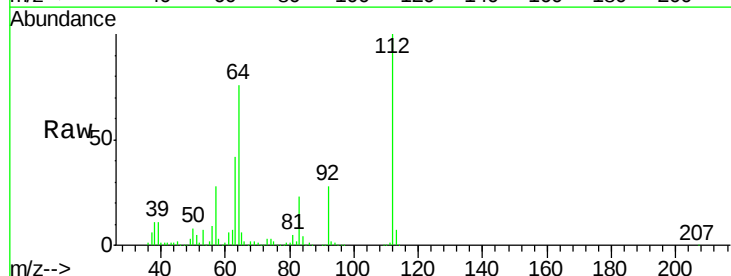
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



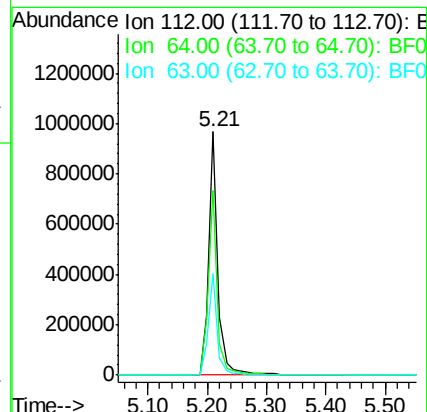
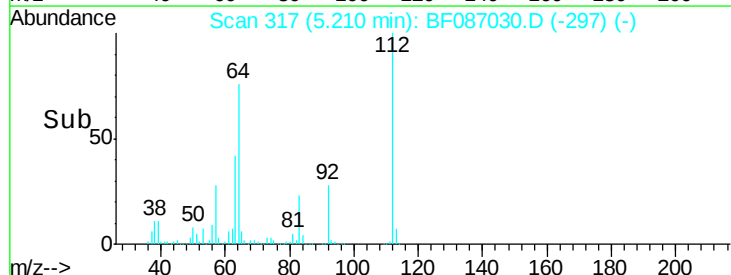
#5

2-Fluorophenol
Concen: 37.33 ng
RT: 5.21 min Scan# 317
Delta R.T. -0.08 min
Lab File: BF087030.D
Acq: 14 May 2016 20:09

Tgt Ion:112 Resp: 1077251
Ion Ratio Lower Upper
112 100
64 75.8 52.1 78.1
63 41.7 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: 41.67 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087030.D

Acq: 14 May 2016 20:09

Instrument :

BNA_F

ClientSampleId :

PB90419BL

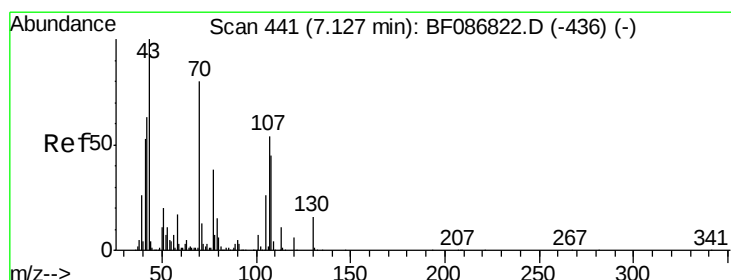
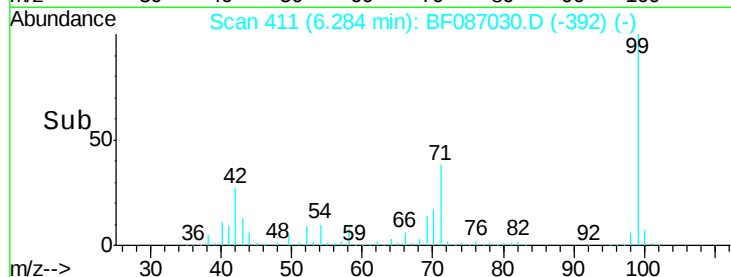
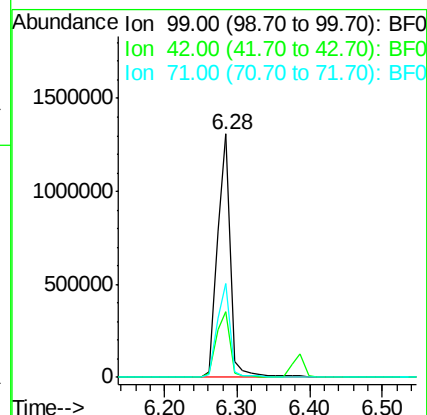
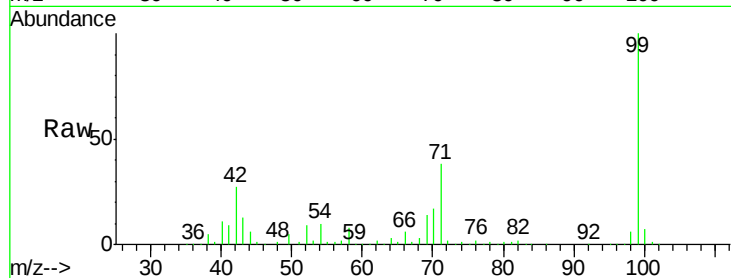
Tgt Ion: 99 Resp: 1607255

Ion Ratio Lower Upper

99 100

42 27.2 13.6 20.4#

71 38.4 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 5.67 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087030.D

Acq: 14 May 2016 20:09

Tgt Ion: 70 Resp: 152793

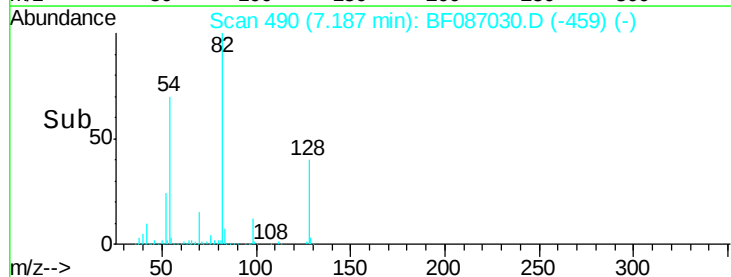
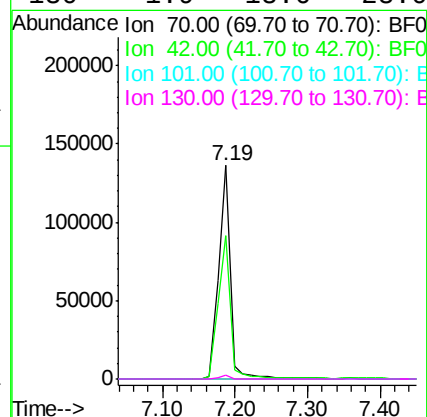
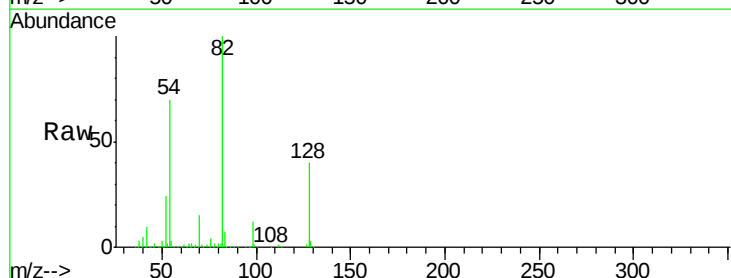
Ion Ratio Lower Upper

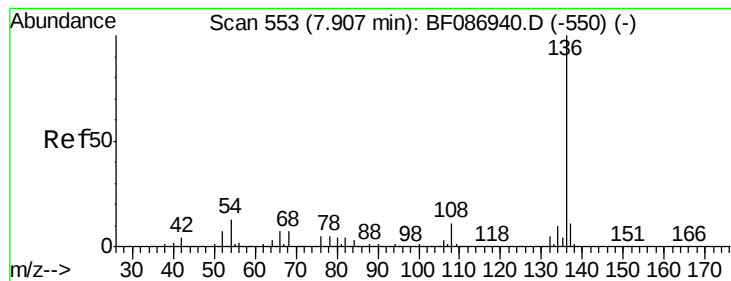
70 100

42 66.9 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.09 min

Lab File: BF087030.D

Acq: 14 May 2016 20:09

Instrument :

BNA_F

ClientSampleId :

PB90419BL

Tgt Ion: 136 Resp: 620832

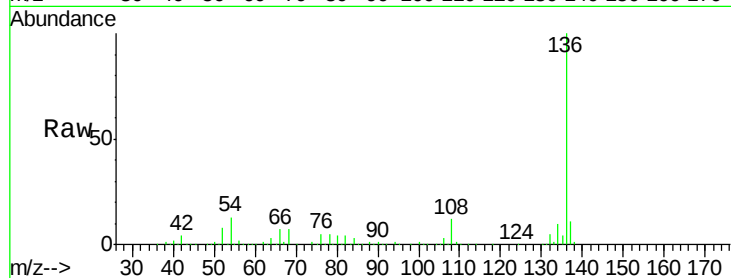
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 13.3 5.0 7.4#

68 6.9 4.4 6.6#

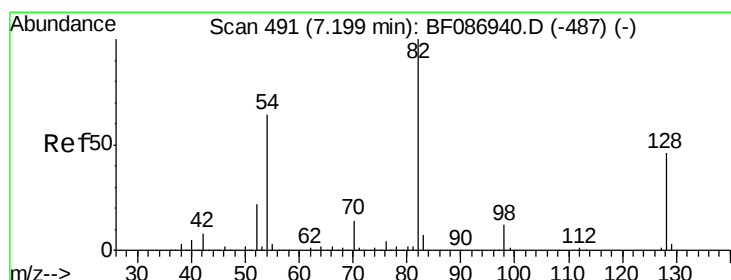
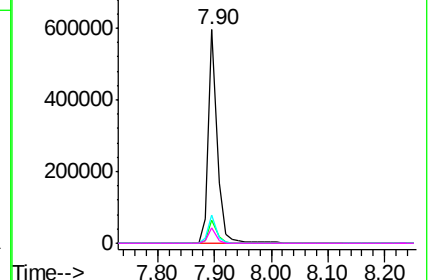
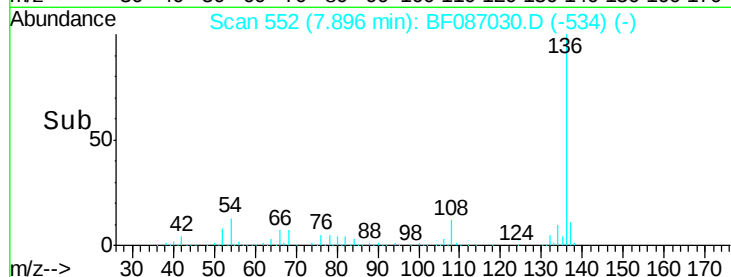


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.46 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF087030.D

Acq: 14 May 2016 20:09

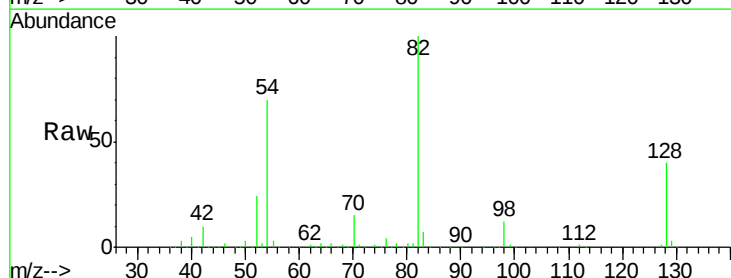
Tgt Ion: 82 Resp: 1068985

Ion Ratio Lower Upper

82 100

128 40.1 40.6 61.0#

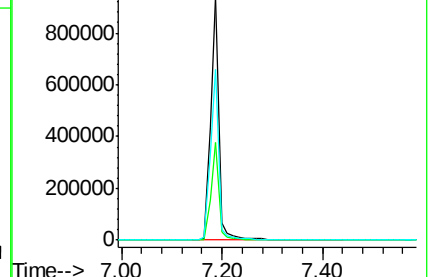
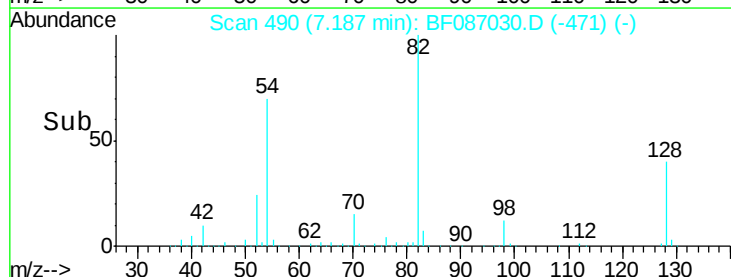
54 69.9 38.1 57.1#

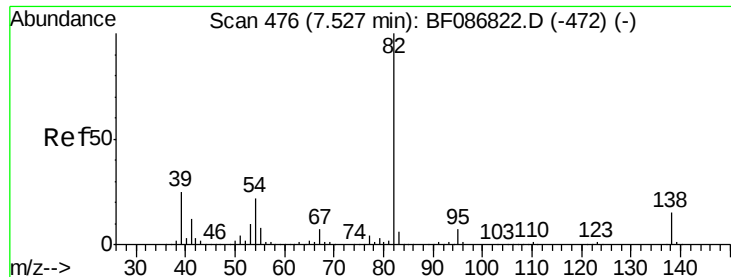


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 45.72 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087030.D

Acq: 14 May 2016 20:09

Instrument :

BNA_F

ClientSampleId :

PB90419BL

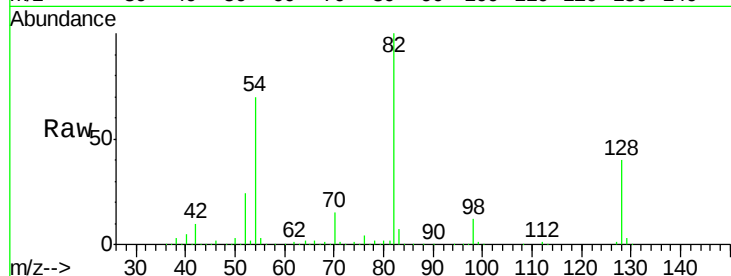
Tgt Ion: 82 Resp: 1048790

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

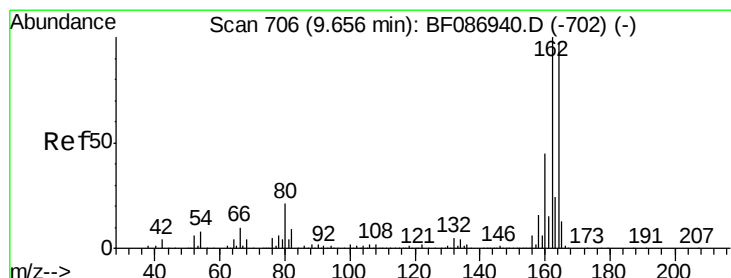
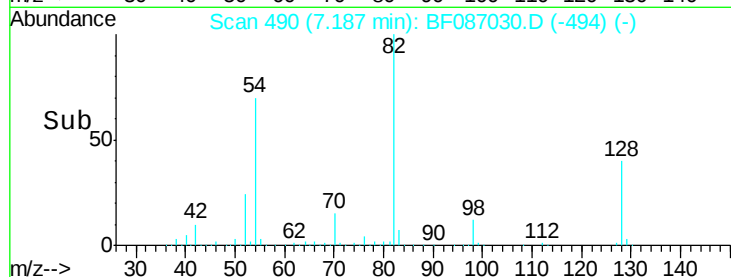
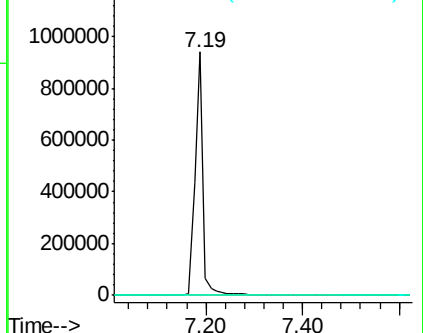
138 0.0 12.4 18.6#



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: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087030.D

Acq: 14 May 2016 20:09

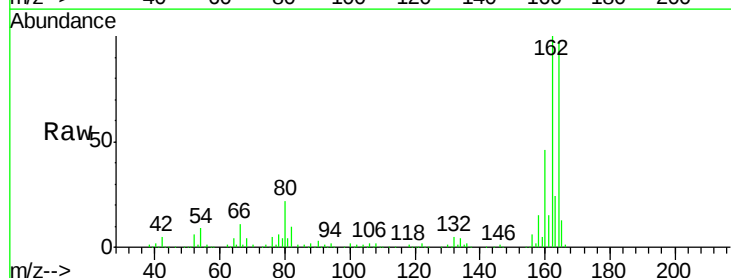
Tgt Ion: 164 Resp: 308088

Ion Ratio Lower Upper

164 100

162 103.4 82.8 124.2

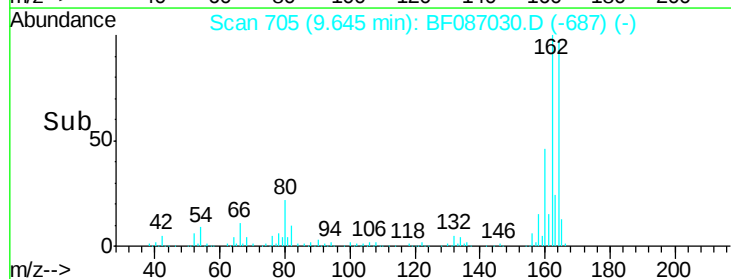
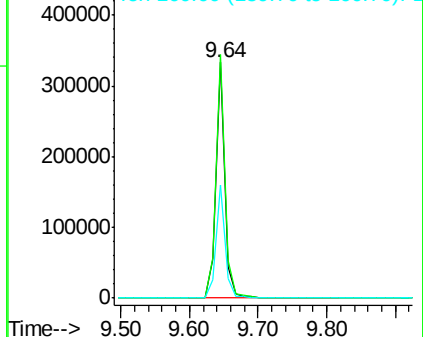
160 48.1 36.9 55.3

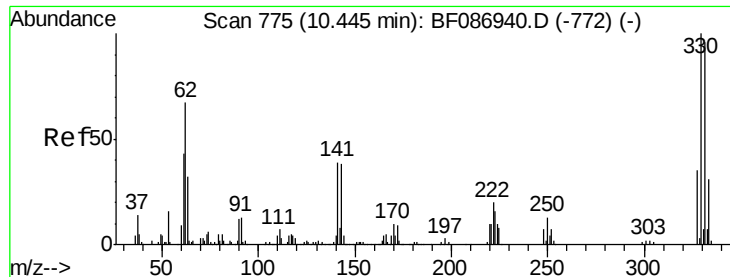


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

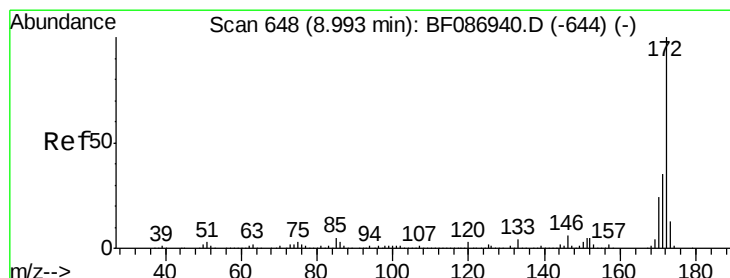
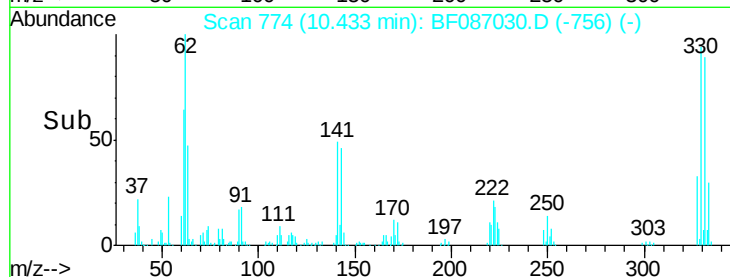
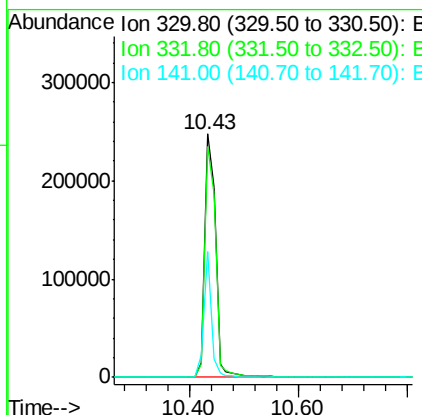
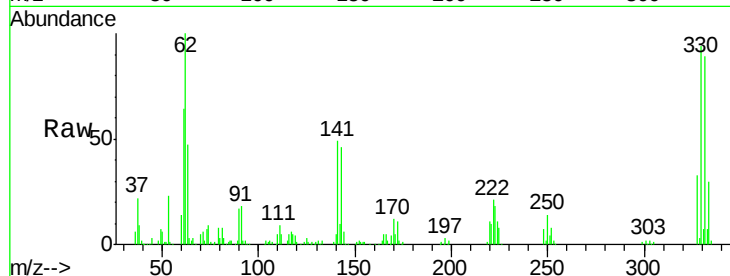




#41
 2,4,6-Tribromophenol
 Concen: 104.02 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087030.D
 Acq: 14 May 2016 20:09

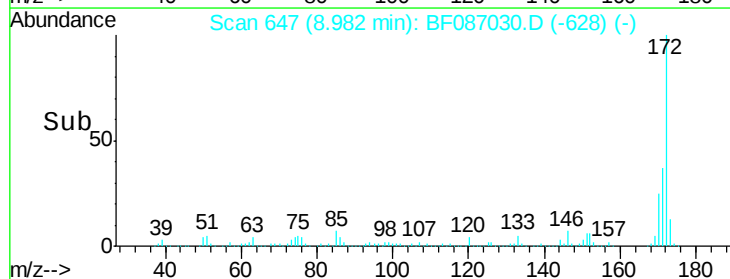
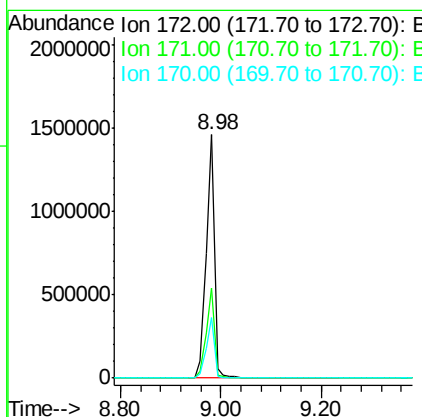
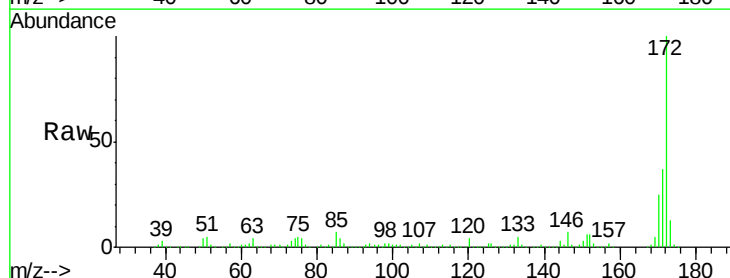
Instrument :
 BNA_F
 ClientSampleId :
 PB90419BL

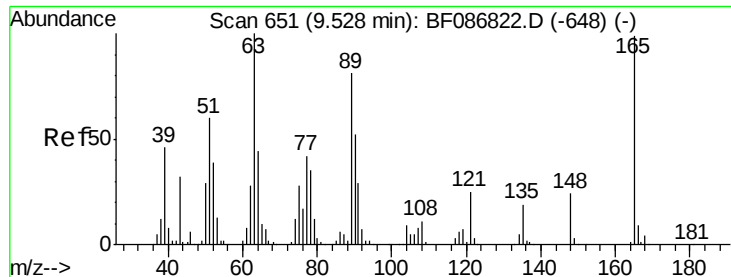
Tgt Ion:330 Resp: 339274
 Ion Ratio Lower Upper
 330 100
 332 95.6 79.0 118.4
 141 36.9 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 91.78 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087030.D
 Acq: 14 May 2016 20:09

Tgt Ion:172 Resp: 1682414
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.0 43.6
 170 25.0 19.8 29.8





#50

2,6-Dinitrotoluene

Concen: 8.04 ng

RT: 9.64 min Scan# 705

Delta R.T. 0.12 min

Lab File: BF087030.D

Acq: 14 May 2016 20:09

Instrument :

BNA_F

ClientSampleId :

PB90419BL

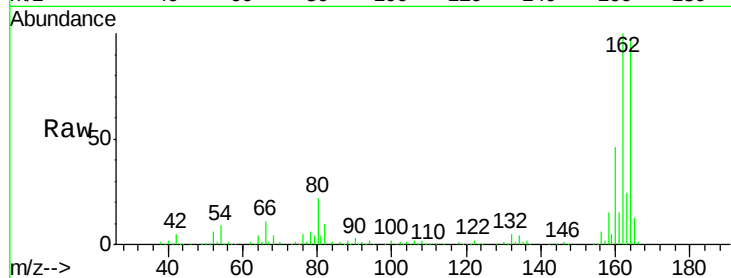
Tgt Ion:165 Resp: 39785

Ion Ratio Lower Upper

165 100

63 1.9 51.8 77.8#

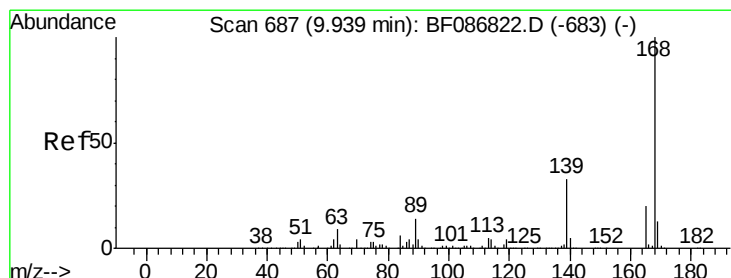
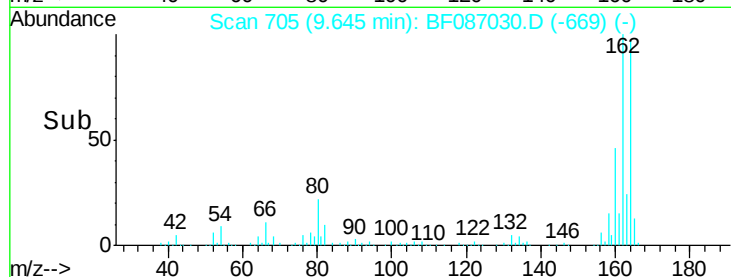
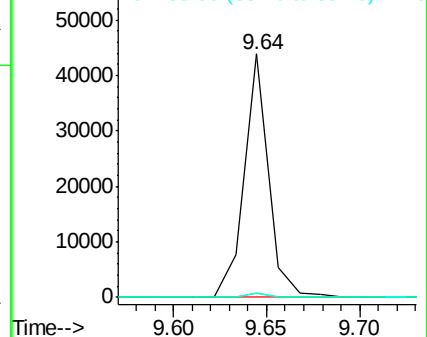
89 2.0 50.7 76.1#



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: 6.50 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.29 min

Lab File: BF087030.D

Acq: 14 May 2016 20:09

Tgt Ion:165 Resp: 39778

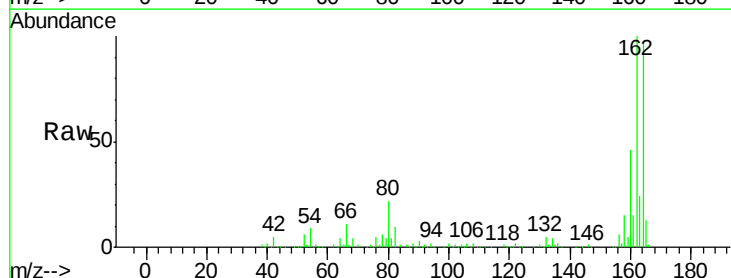
Ion Ratio Lower Upper

165 100

63 1.9 44.3 66.5#

89 2.0 70.0 105.0#

182 0.0 1.8 2.6#

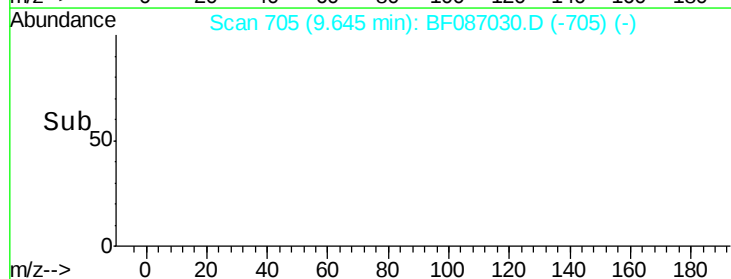
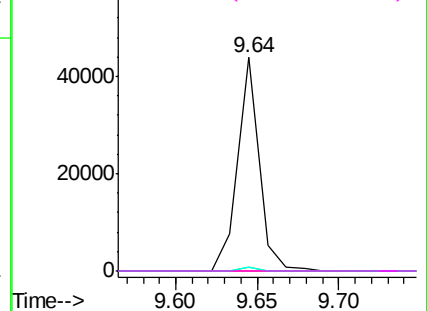


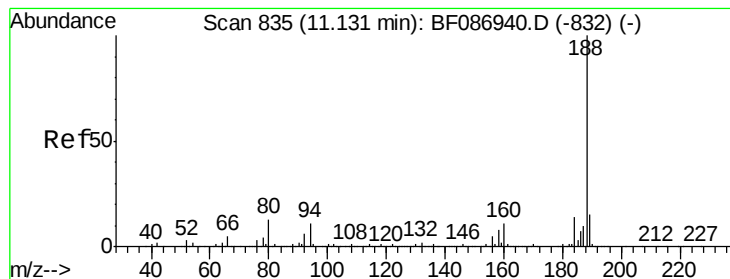
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.12 min Scan# 834

Delta R.T. -0.09 min

Lab File: BF087030.D

Acq: 14 May 2016 20:09

Instrument :

BNA_F

ClientSampleId :

PB90419BL

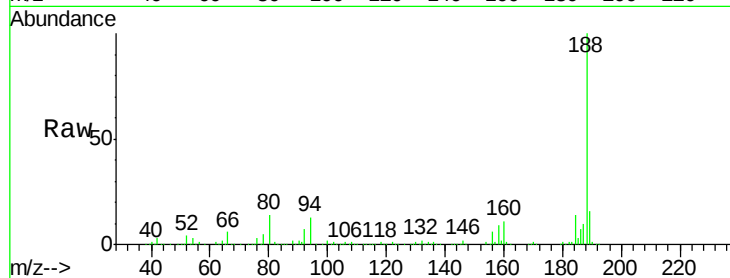
Tgt Ion:188 Resp: 564503

Ion Ratio Lower Upper

188 100

94 12.6 6.8 10.2#

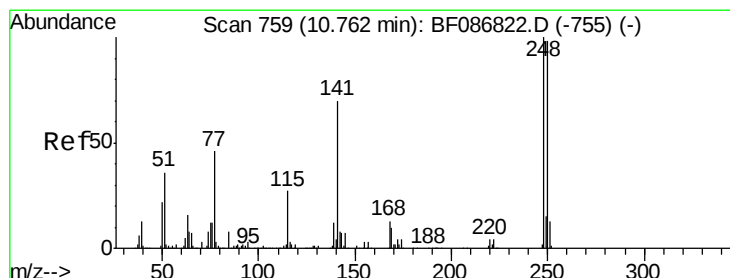
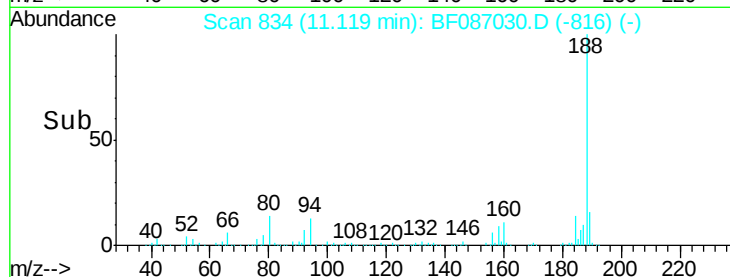
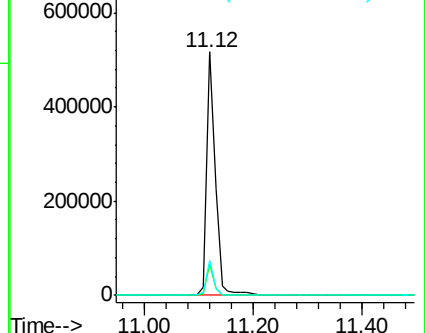
80 14.3 7.1 10.7#



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: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF087030.D

Acq: 14 May 2016 20:09

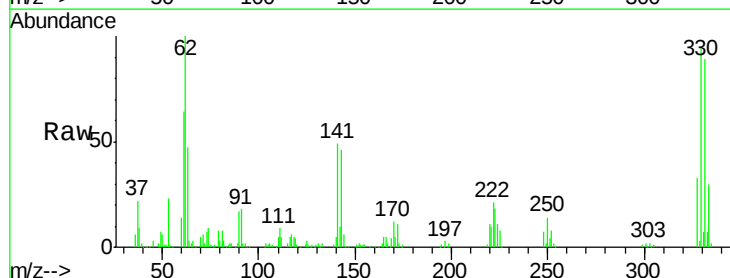
Tgt Ion:248 Resp: 20118

Ion Ratio Lower Upper

248 100

250 196.0 78.6 117.8#

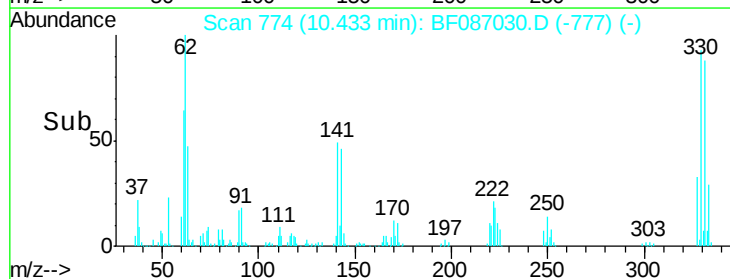
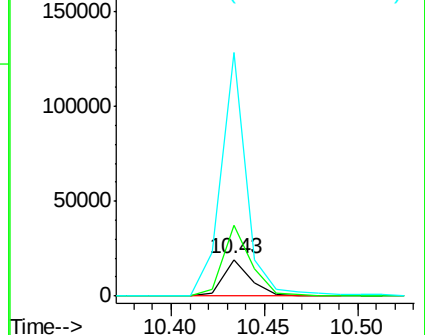
141 668.6 76.0 114.0#

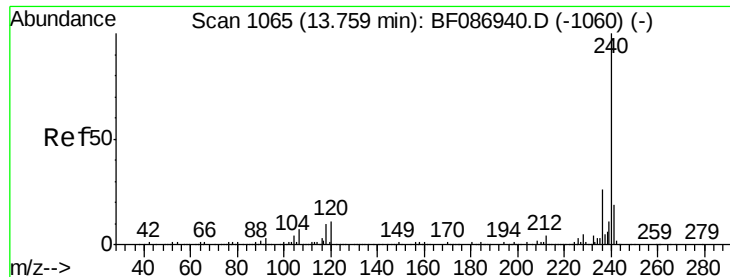


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087030.D

Acq: 14 May 2016 20:09

Instrument :

BNA_F

ClientSampleId :

PB90419BL

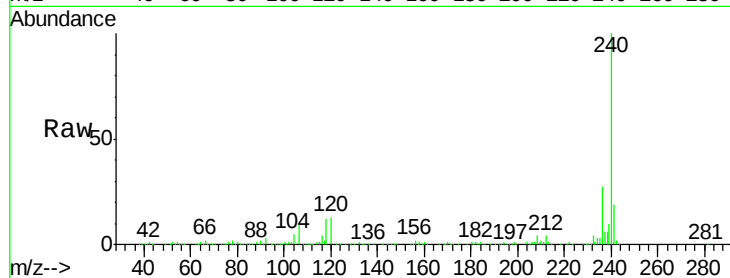
Tgt Ion:240 Resp: 389065

Ion Ratio Lower Upper

240 100

120 13.2 11.2 16.8

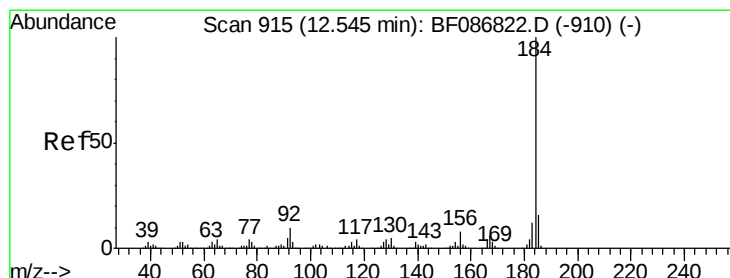
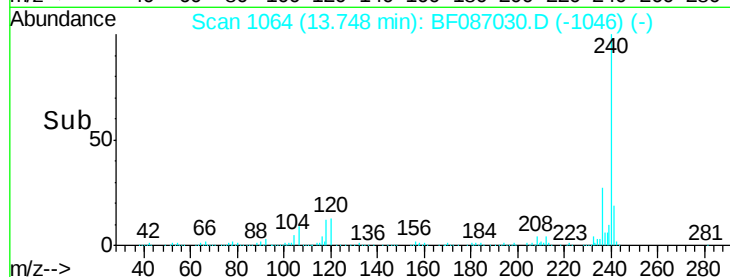
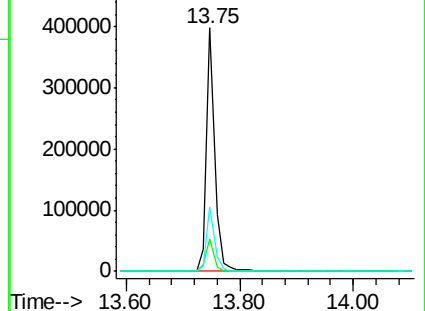
236 26.6 21.2 31.8



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: 2.10 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.16 min

Lab File: BF087030.D

Acq: 14 May 2016 20:09

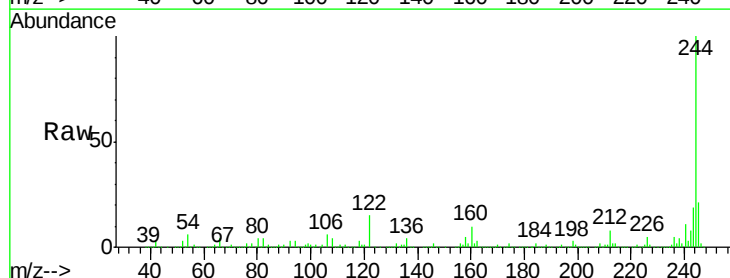
Tgt Ion:184 Resp: 20837

Ion Ratio Lower Upper

184 100

185 17.7 13.6 20.4

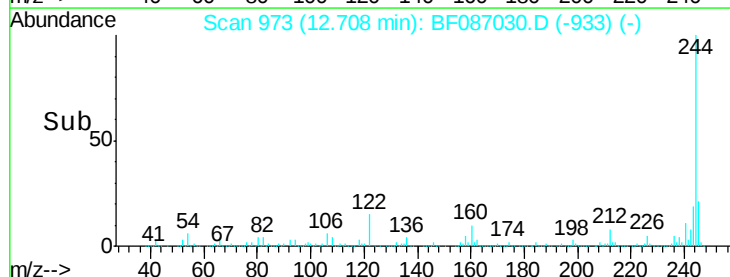
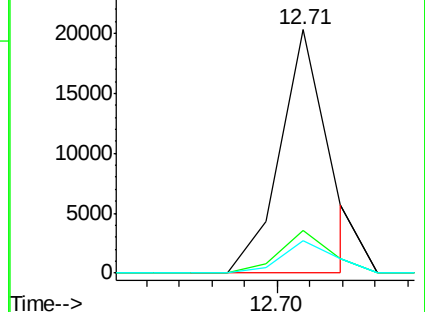
183 13.1 9.8 14.6

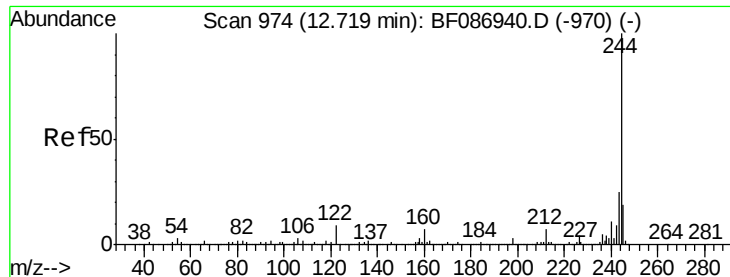


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 74.94 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087030.D

Acq: 14 May 2016 20:09

Instrument :

BNA_F

ClientSampleId :

PB90419BL

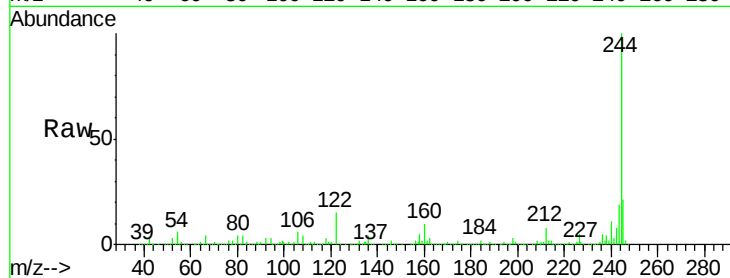
Tgt Ion:244 Resp: 1374109

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

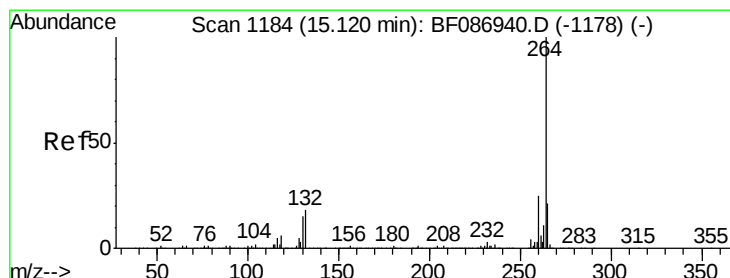
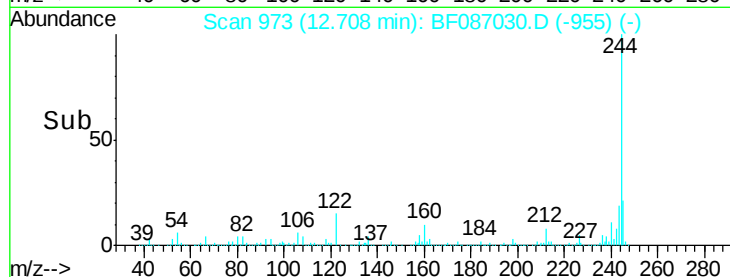
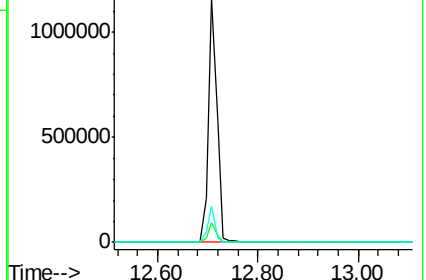
122 15.0 12.0 18.0



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: 15.11 min Scan# 1183

Delta R.T. -0.10 min

Lab File: BF087030.D

Acq: 14 May 2016 20:09

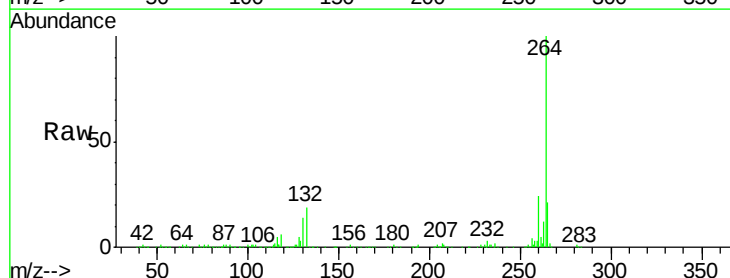
Tgt Ion:264 Resp: 327070

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 21.2 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

