

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021116\
 Data File : BF085011.D
 Acq On : 11 Feb 2016 11:37
 Operator : SJ/IZ
 Sample : PB88297BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB88297BL

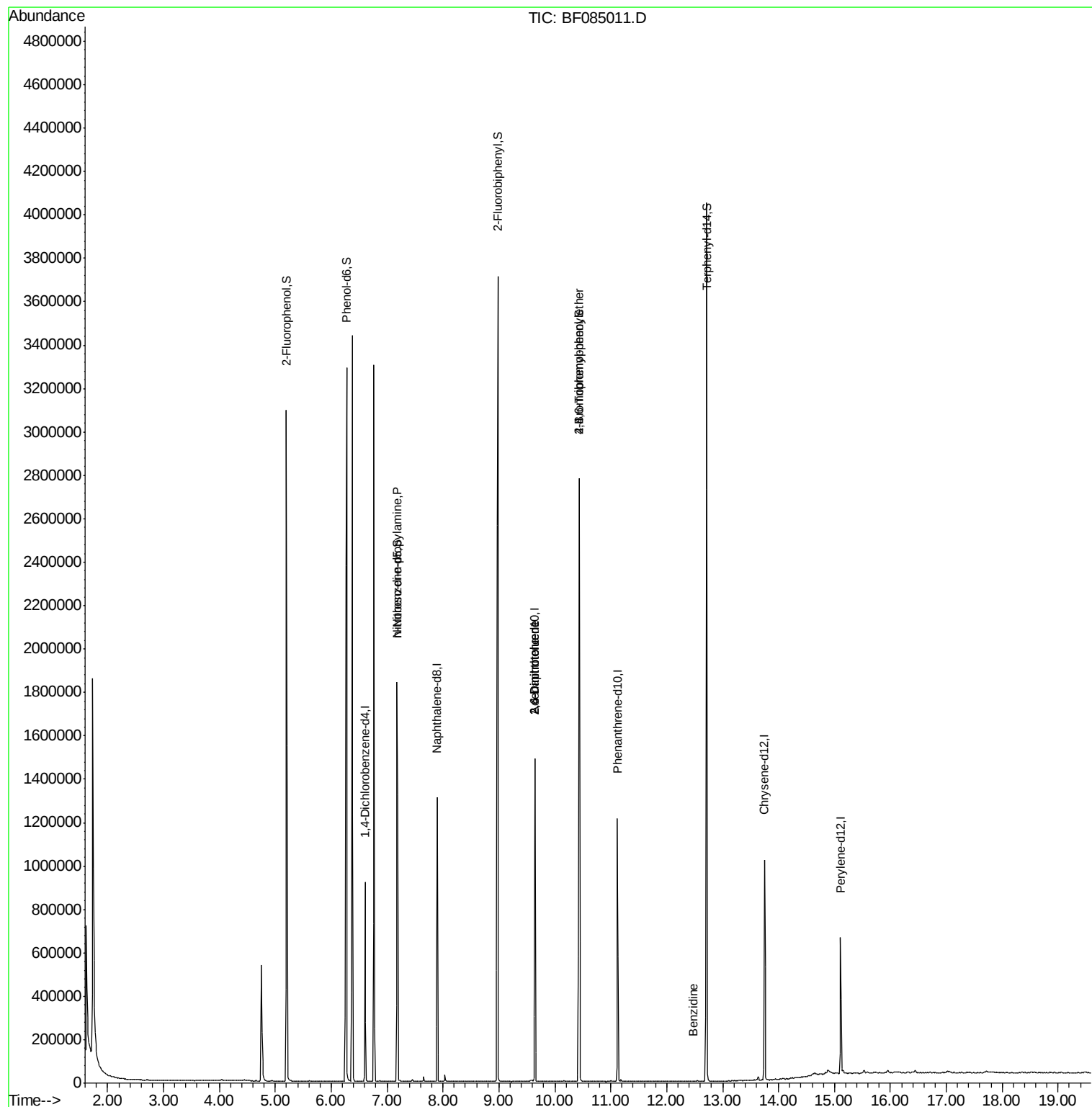
Quant Time: Feb 11 16:02:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

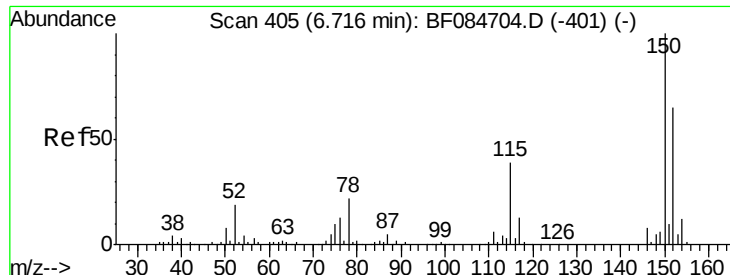
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	135188	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	579630	20.00	ng	-0.02
38) Acenaphthene-d10	9.64	164	285966	20.00	ng	-0.02
63) Phenanthrene-d10	11.12	188	518090	20.00	ng	-0.02
75) Chrysene-d12	13.75	240	416424	20.00	ng	-0.02
86) Perylene-d12	15.11	264	286106	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1017295	117.21	ng	0.00
7) Phenol-d6	6.27	99	1473897	136.98	ng	-0.01
23) Nitrobenzene-d5	7.18	82	823949	80.08	ng	-0.02
41) 2,4,6-Tribromophenol	10.43	330	335572	112.50	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	1601739	100.44	ng	-0.01
78) Terphenyl-d14	12.72	244	1642950	89.40	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.18	70	108143	16.03	ng	# 71
50) 2,6-Dinitrotoluene	9.64	165	36993	7.77	ng	# 37
56) 2,4-Dinitrotoluene	9.64	165	36993	6.10	ng	# 21
66) 4-Bromophenyl-phenylether	10.43	248	20055	3.50	ng	# 1
76) Benzidine	12.47	184	1005	6.94	ng	# 66

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

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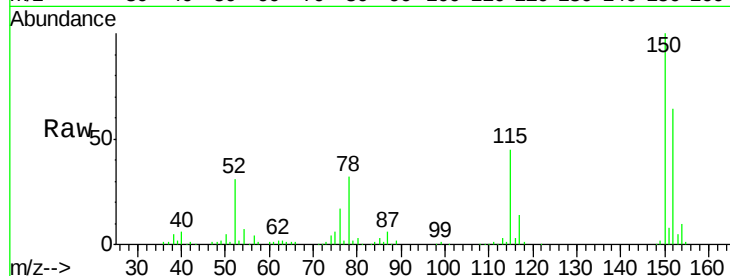


#1

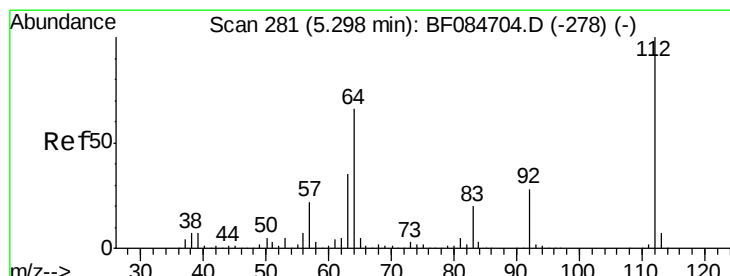
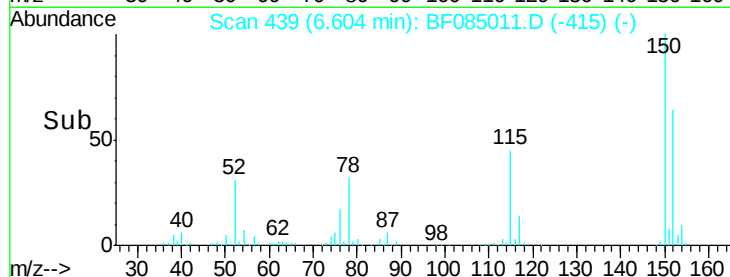
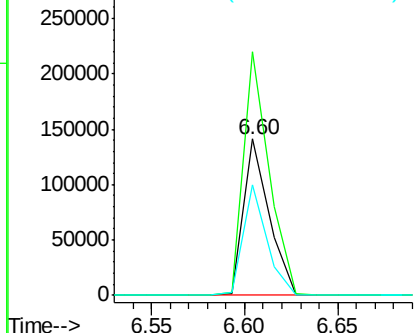
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. -0.02 min
Lab File: BF085011.D
Acq: 11 Feb 2016 11:37

Instrument :
BNA_F
ClientSampleId :
PB88297BL

Tgt Ion:152 Resp: 135188
Ion Ratio Lower Upper
152 100
150 155.5 123.0 184.4
115 70.6 51.4 77.2



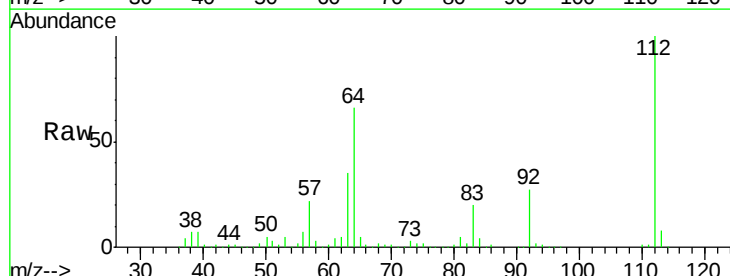
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



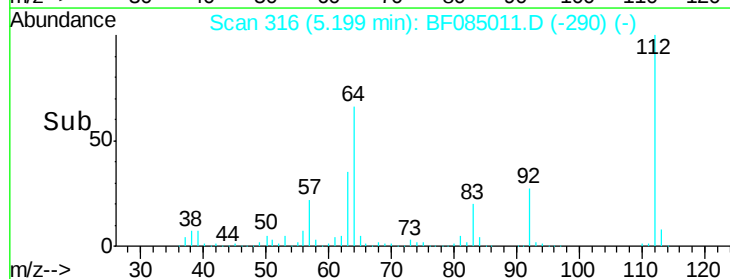
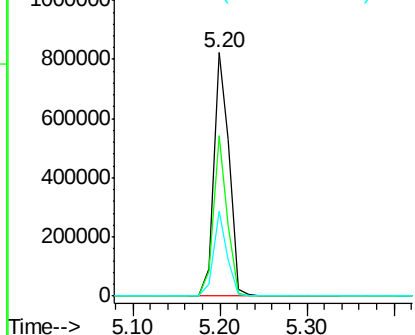
#5

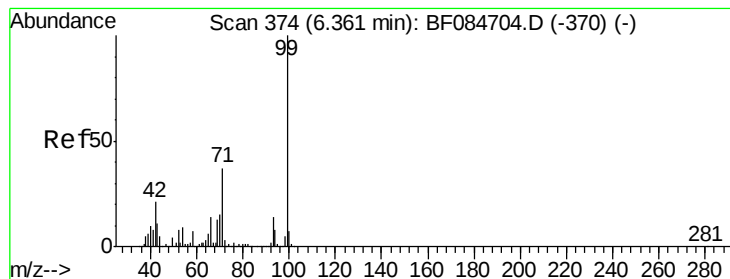
2-Fluorophenol
Concen: 117.21 ng
RT: 5.20 min Scan# 316
Delta R.T. -0.00 min
Lab File: BF085011.D
Acq: 11 Feb 2016 11:37

Tgt Ion:112 Resp: 1017295
Ion Ratio Lower Upper
112 100
64 65.6 36.6 55.0#
63 34.9 19.4 29.0#



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: 136.98 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF085011.D

Acq: 11 Feb 2016 11:37

Instrument :

BNA_F

ClientSampleId :

PB88297BL

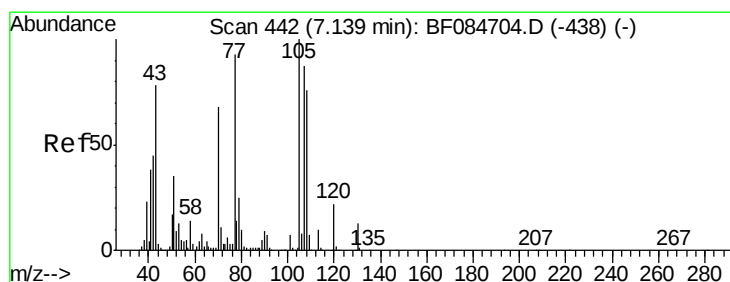
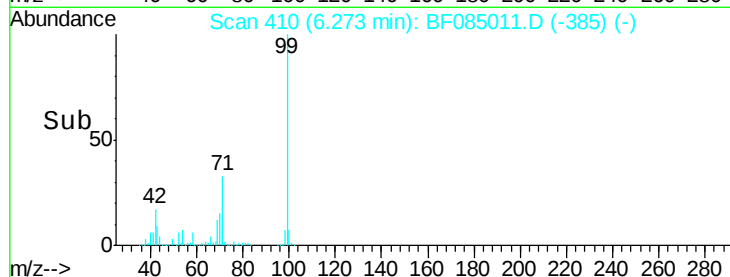
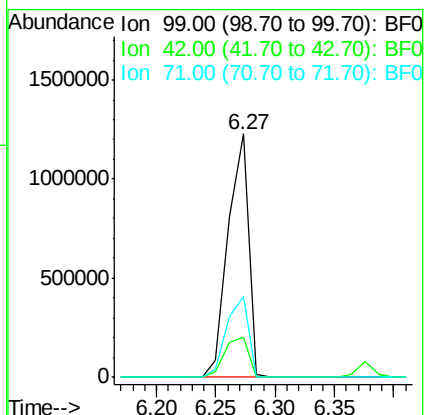
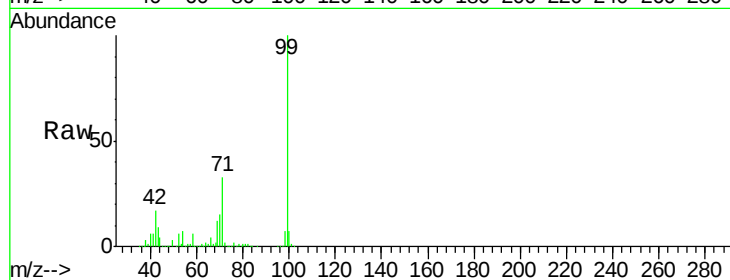
Tgt Ion: 99 Resp: 1473897

Ion Ratio Lower Upper

99 100

42 16.6 12.8 19.2

71 33.2 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.03 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.11 min

Lab File: BF085011.D

Acq: 11 Feb 2016 11:37

Tgt Ion: 70 Resp: 108143

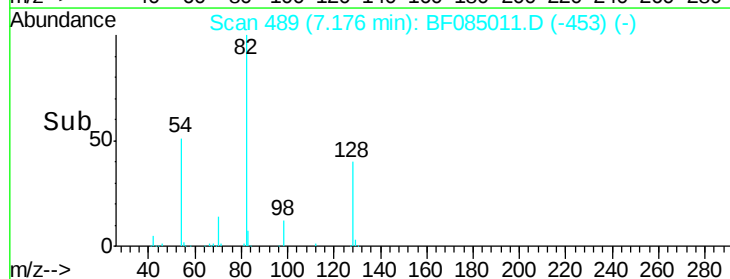
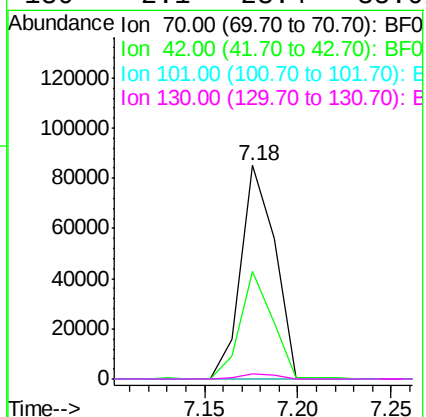
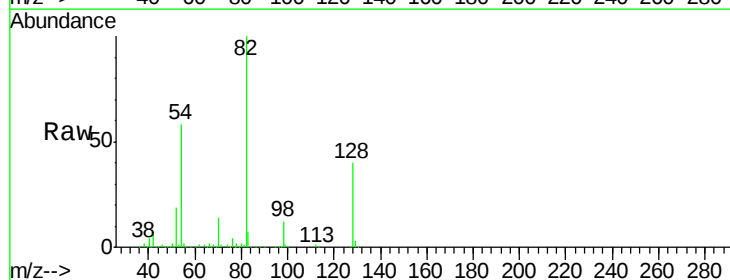
Ion Ratio Lower Upper

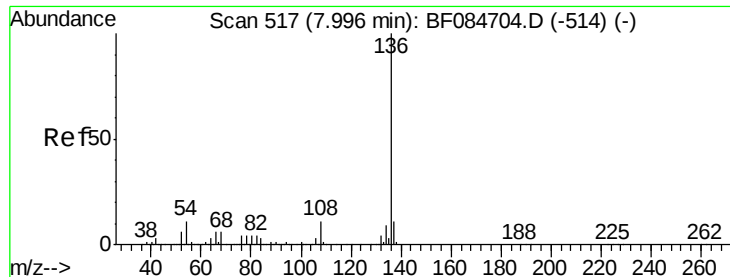
70 100

42 50.5 33.3 49.9#

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

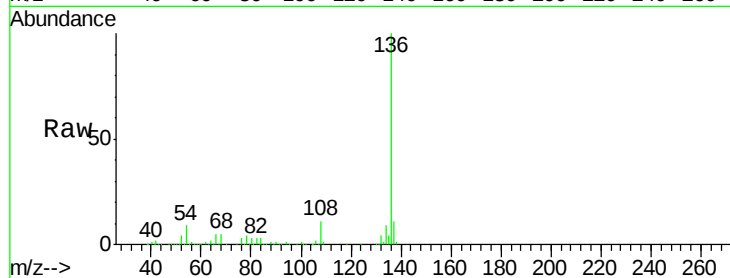




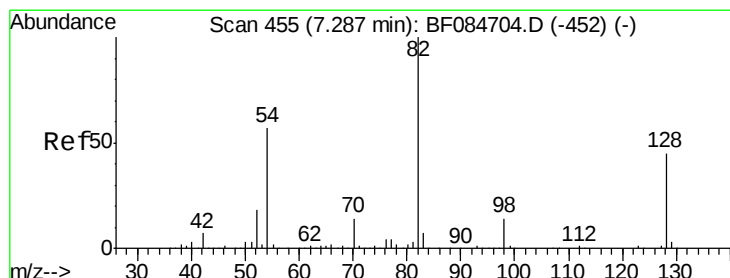
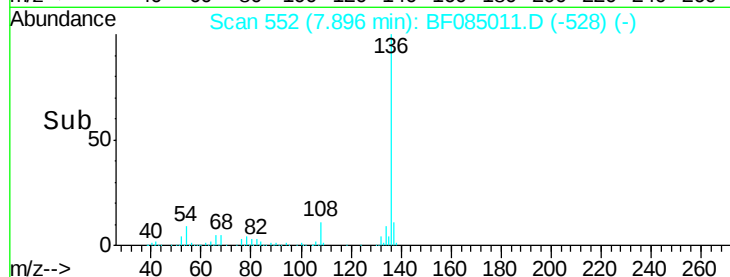
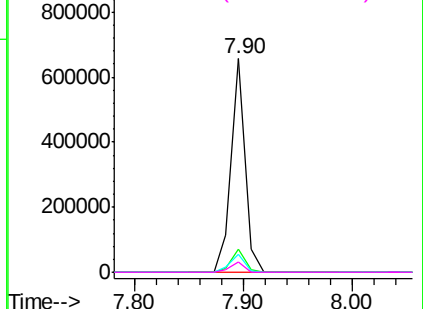
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF085011.D
Acq: 11 Feb 2016 11:37

Instrument :
BNA_F
ClientSampleId :
PB88297BL

Tgt Ion:	136	Resp:	579630
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	8.6	5.8	8.8
68	4.9	4.2	6.2

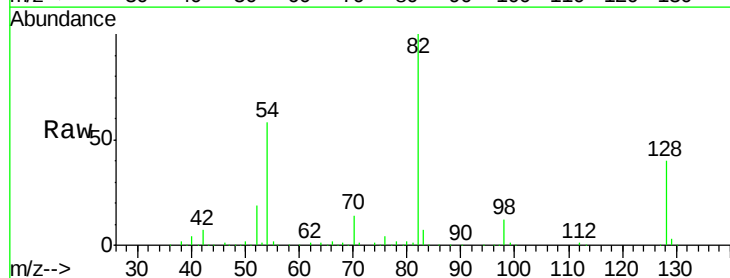


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

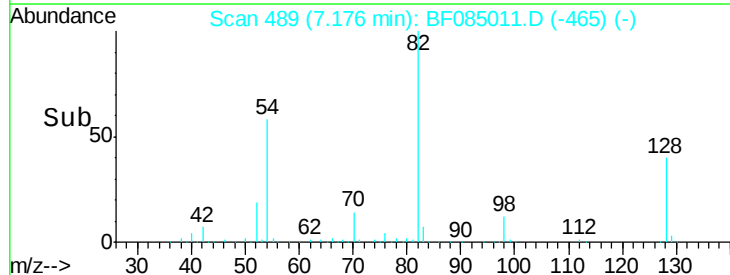
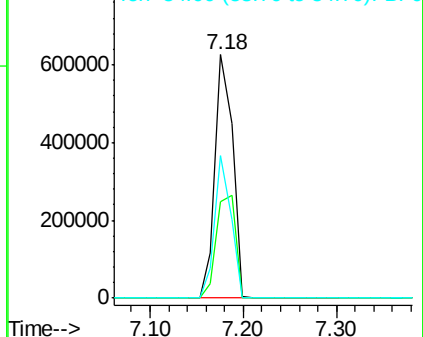


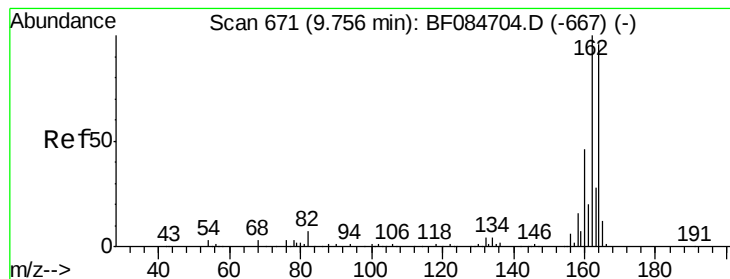
#23
Nitrobenzene-d5
Concen: 80.08 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.02 min
Lab File: BF085011.D
Acq: 11 Feb 2016 11:37

Tgt Ion:	82	Resp:	823949
Ion	Ratio	Lower	Upper
82	100		
128	39.8	34.6	51.8
54	58.4	38.4	57.6#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF085011.D

Acq: 11 Feb 2016 11:37

Instrument :

BNA_F

ClientSampleId :

PB88297BL

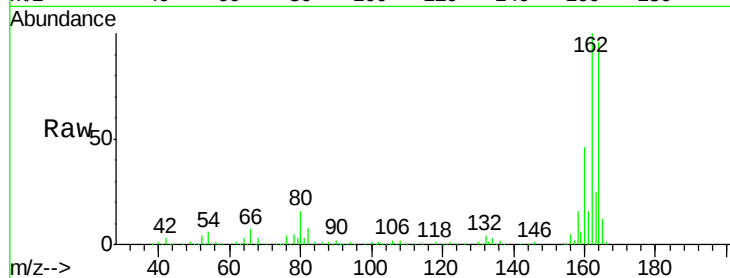
Tgt Ion:164 Resp: 285966

Ion Ratio Lower Upper

164 100

162 104.6 85.1 127.7

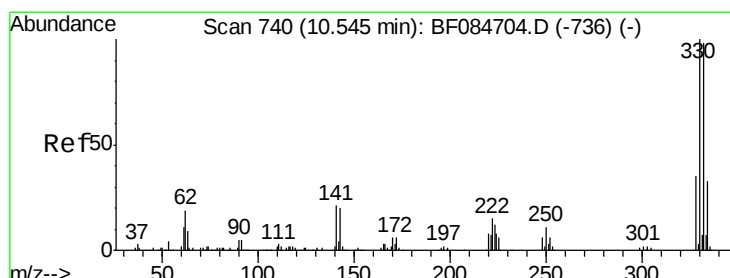
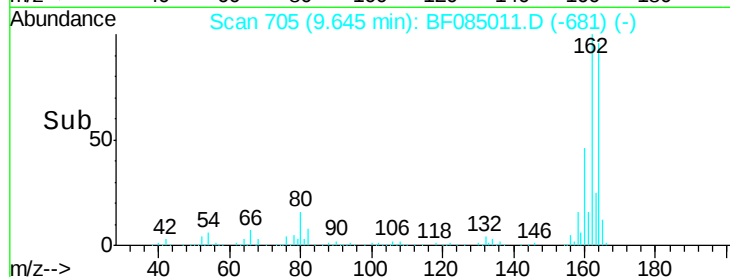
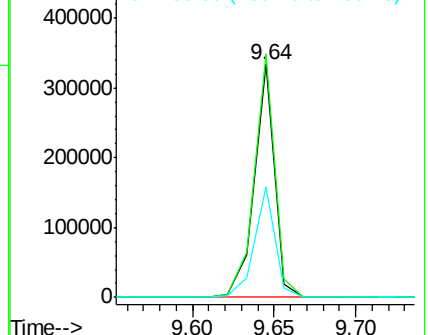
160 47.6 37.5 56.3



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: 112.50 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.02 min

Lab File: BF085011.D

Acq: 11 Feb 2016 11:37

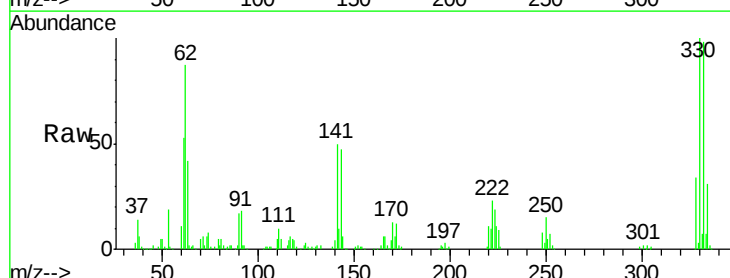
Tgt Ion:330 Resp: 335572

Ion Ratio Lower Upper

330 100

332 98.1 76.6 114.8

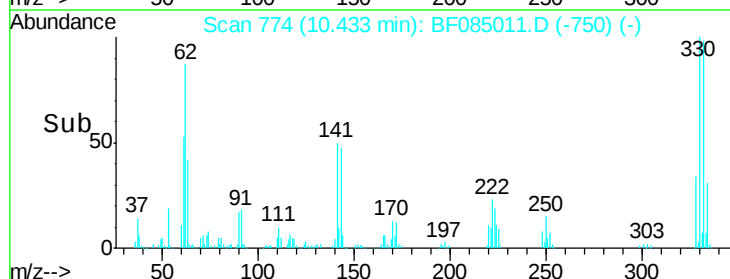
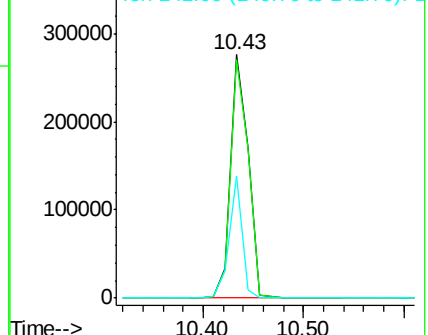
141 37.1 27.8 41.6

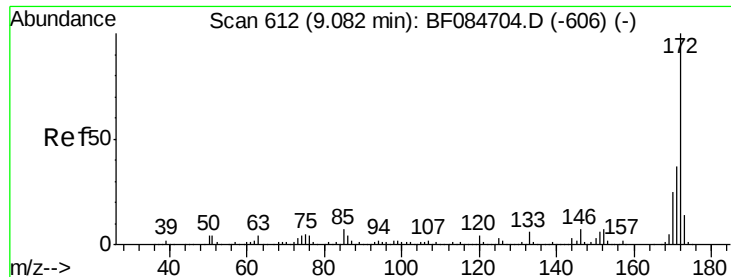


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

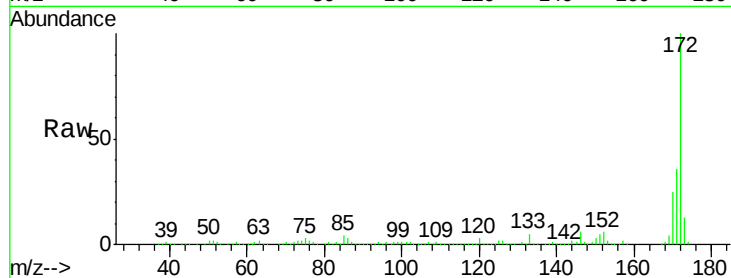




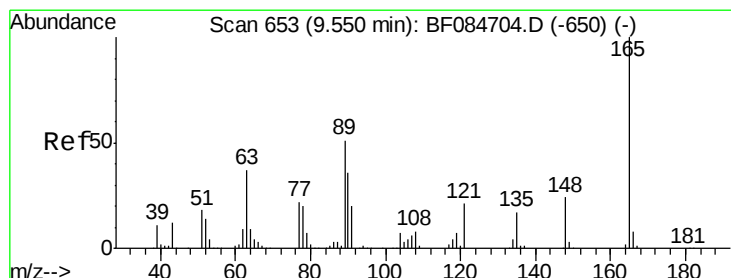
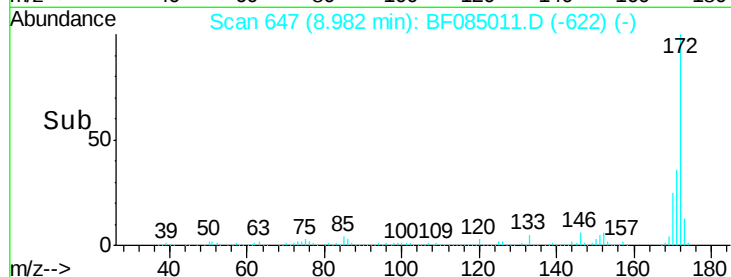
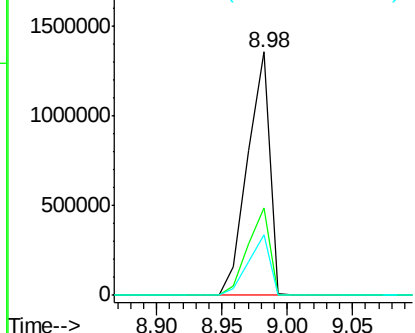
#44
 2-Fluorobiphenyl
 Concen: 100.44 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BF085011.D
 Acq: 11 Feb 2016 11:37

Instrument :
 BNA_F
 ClientSampleId :
 PB88297BL

Tgt Ion:172 Resp: 1601739
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.9 43.3
 170 24.7 18.6 27.8

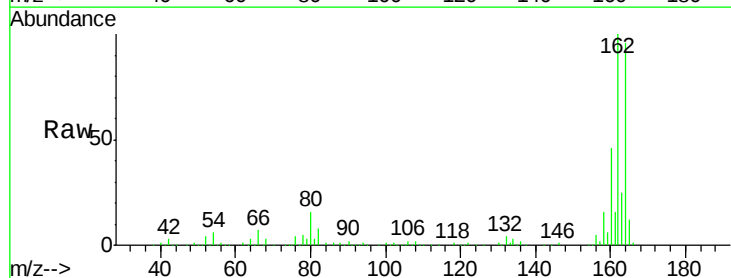


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

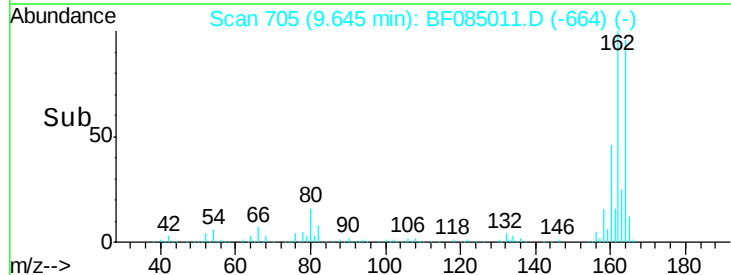
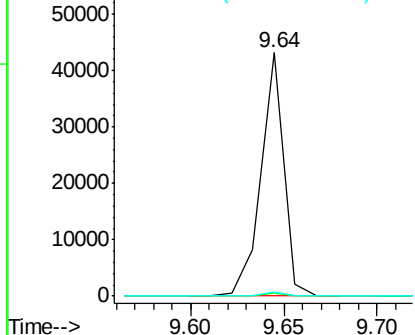


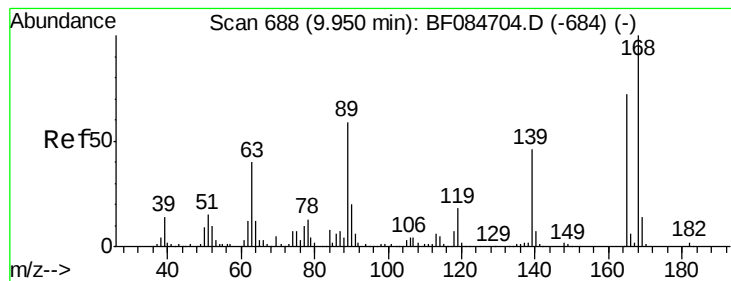
#50
 2,6-Dinitrotoluene
 Concen: 7.77 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.17 min
 Lab File: BF085011.D
 Acq: 11 Feb 2016 11:37

Tgt Ion:165 Resp: 36993
 Ion Ratio Lower Upper
 165 100
 63 1.1 28.8 43.2#
 89 1.5 35.1 52.7#



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

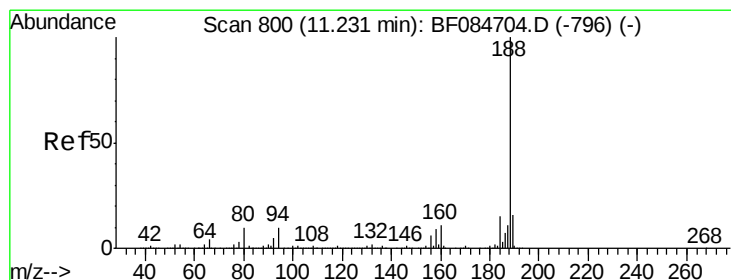
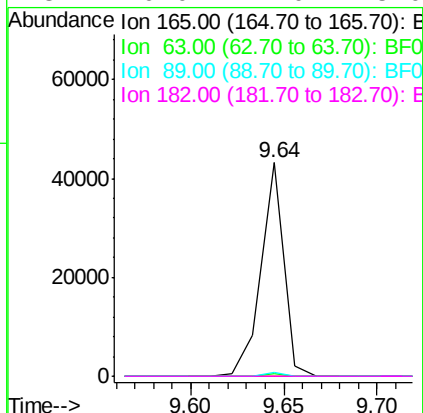
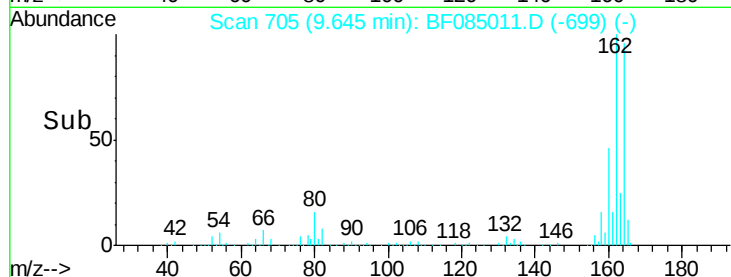
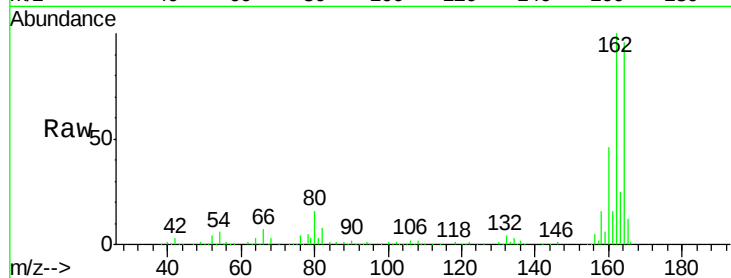




#56
 2,4-Dinitrotoluene
 Concen: 6.10 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.23 min
 Lab File: BF085011.D
 Acq: 11 Feb 2016 11:37

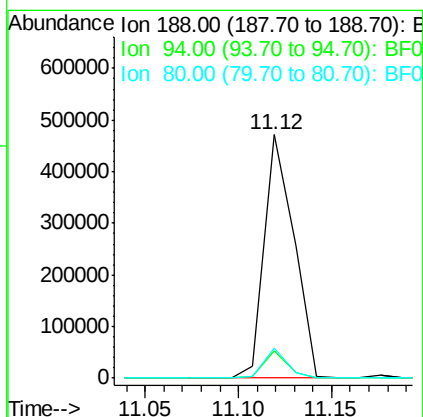
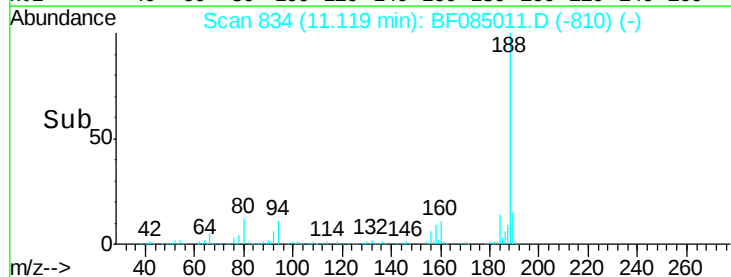
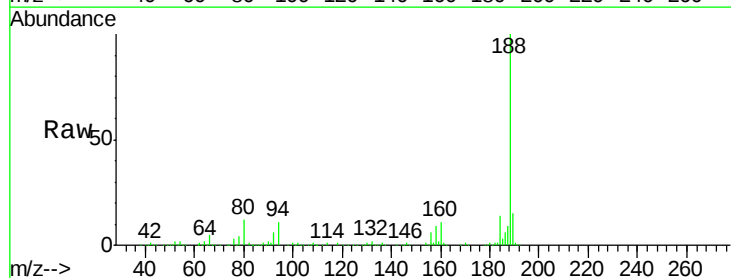
Instrument :
 BNA_F
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 PB88297BL

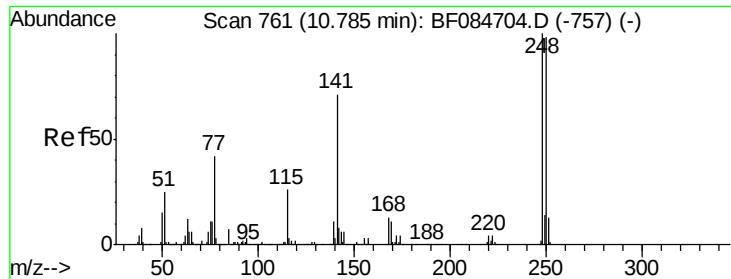
Tgt Ion:	165	Resp:	36993
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.7	55.1#
89	1.5	61.9	92.9#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.02 min
 Lab File: BF085011.D
 Acq: 11 Feb 2016 11:37

Tgt Ion:	188	Resp:	518090
Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.0	13.4
80	12.1	9.6	14.4





#66

4-Bromophenyl-phenylether

Concen: 3.50 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.26 min

Lab File: BF085011.D

Acq: 11 Feb 2016 11:37

Instrument :

BNA_F

ClientSampleId :

PB88297BL

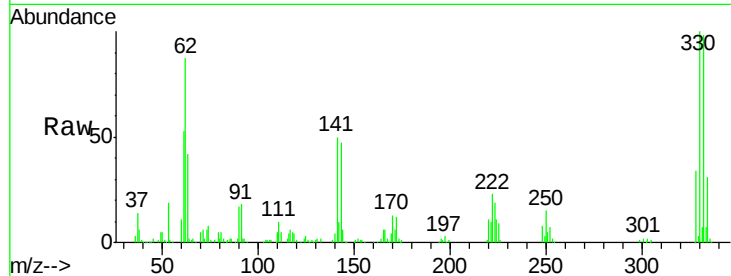
Tgt Ion:248 Resp: 20055

Ion Ratio Lower Upper

248 100

250 200.0 78.4 117.6#

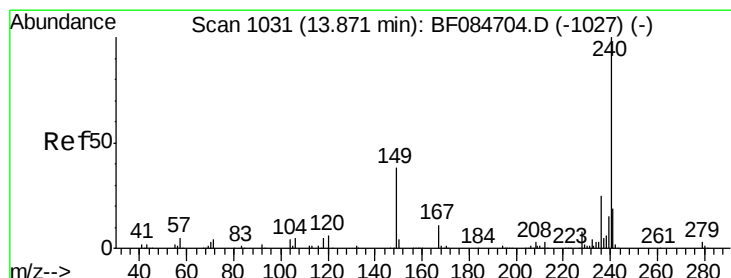
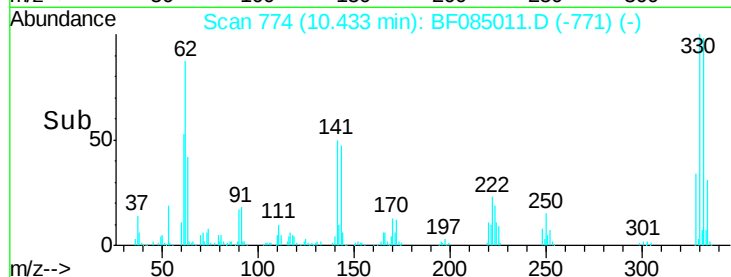
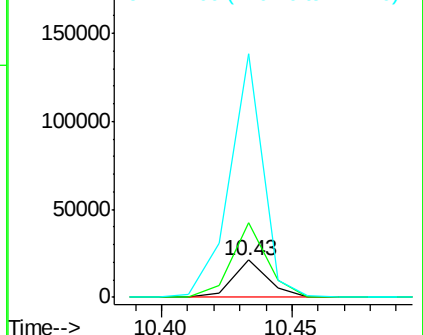
141 655.0 44.0 66.0#



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. -0.02 min

Lab File: BF085011.D

Acq: 11 Feb 2016 11:37

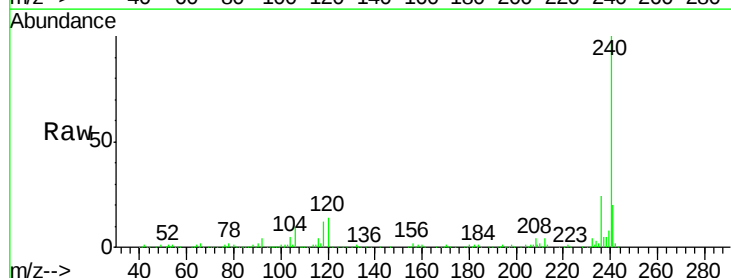
Tgt Ion:240 Resp: 416424

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3#

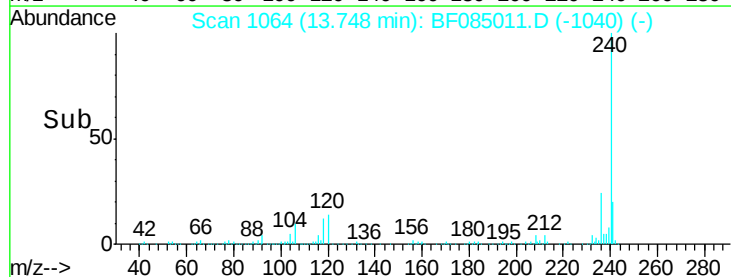
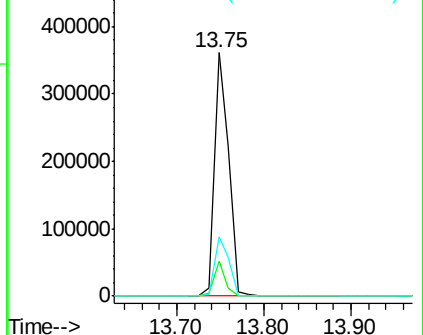
236 24.5 20.6 31.0

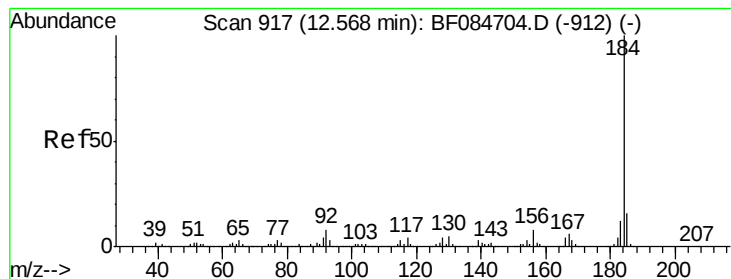


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.94 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF085011.D

Acq: 11 Feb 2016 11:37

Instrument :

BNA_F

ClientSampleId :

PB88297BL

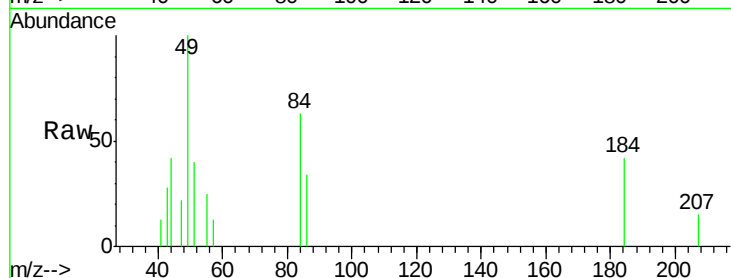
Tgt Ion:184 Resp: 1005

Ion Ratio Lower Upper

184 100

185 0.0 12.2 18.2#

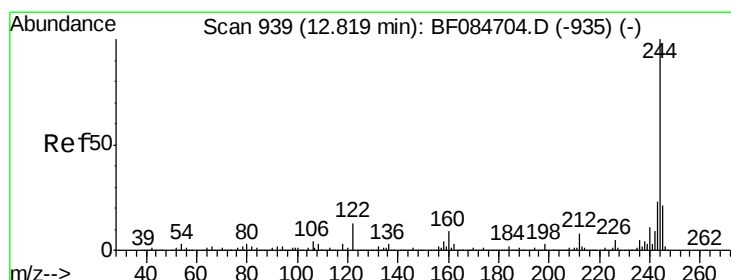
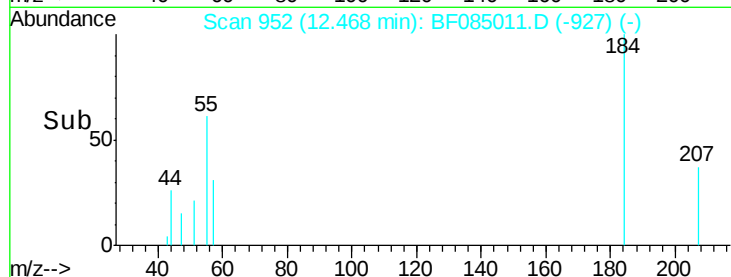
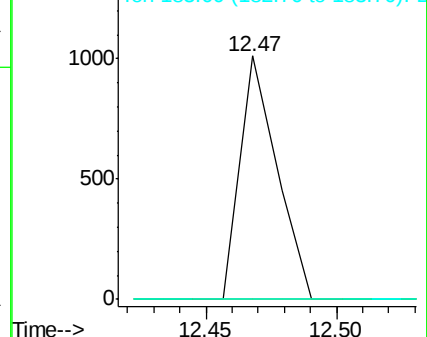
183 0.0 9.8 14.8#



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: 89.40 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF085011.D

Acq: 11 Feb 2016 11:37

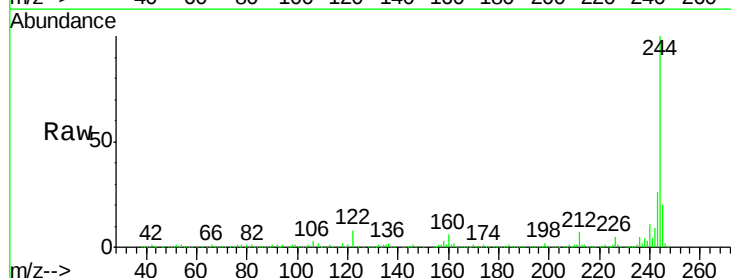
Tgt Ion:244 Resp: 1642950

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

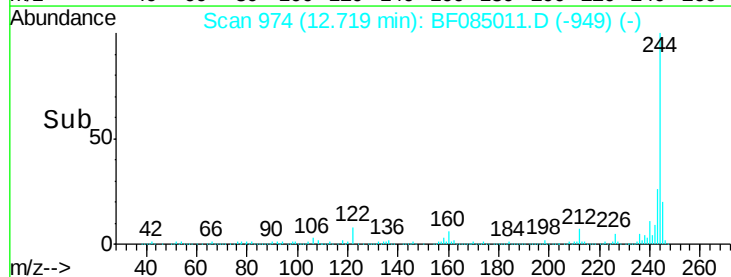
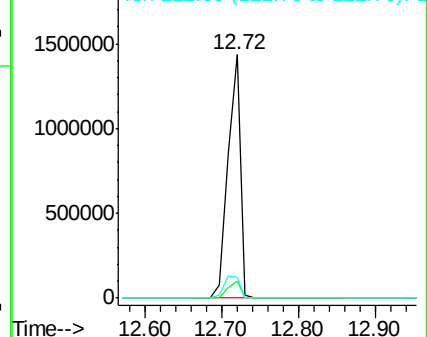
122 8.5 7.4 11.0

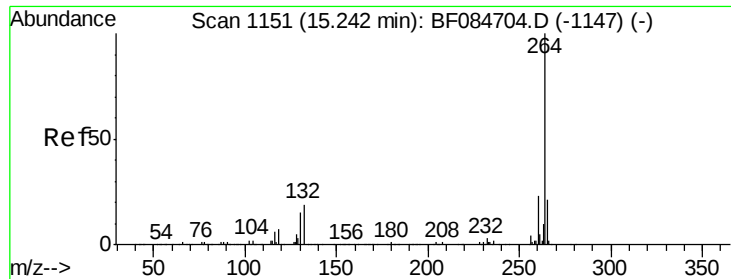


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.02 min
Lab File: BF085011.D
Acq: 11 Feb 2016 11:37

Instrument :
BNA_F
ClientSampleId :
PB88297BL

Tgt Ion: 264 Resp: 286106
Ion Ratio Lower Upper
264 100
260 23.2 19.4 29.2
265 21.7 17.8 26.6

