

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
 Data File : BF086369.D
 Acq On : 23 Apr 2016 4:21
 Operator : UM/SJ
 Sample : PB89989TB
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB89989TB

Quant Time: Apr 23 05:28:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 23 00:24:02 2016
 Response via : Initial Calibration

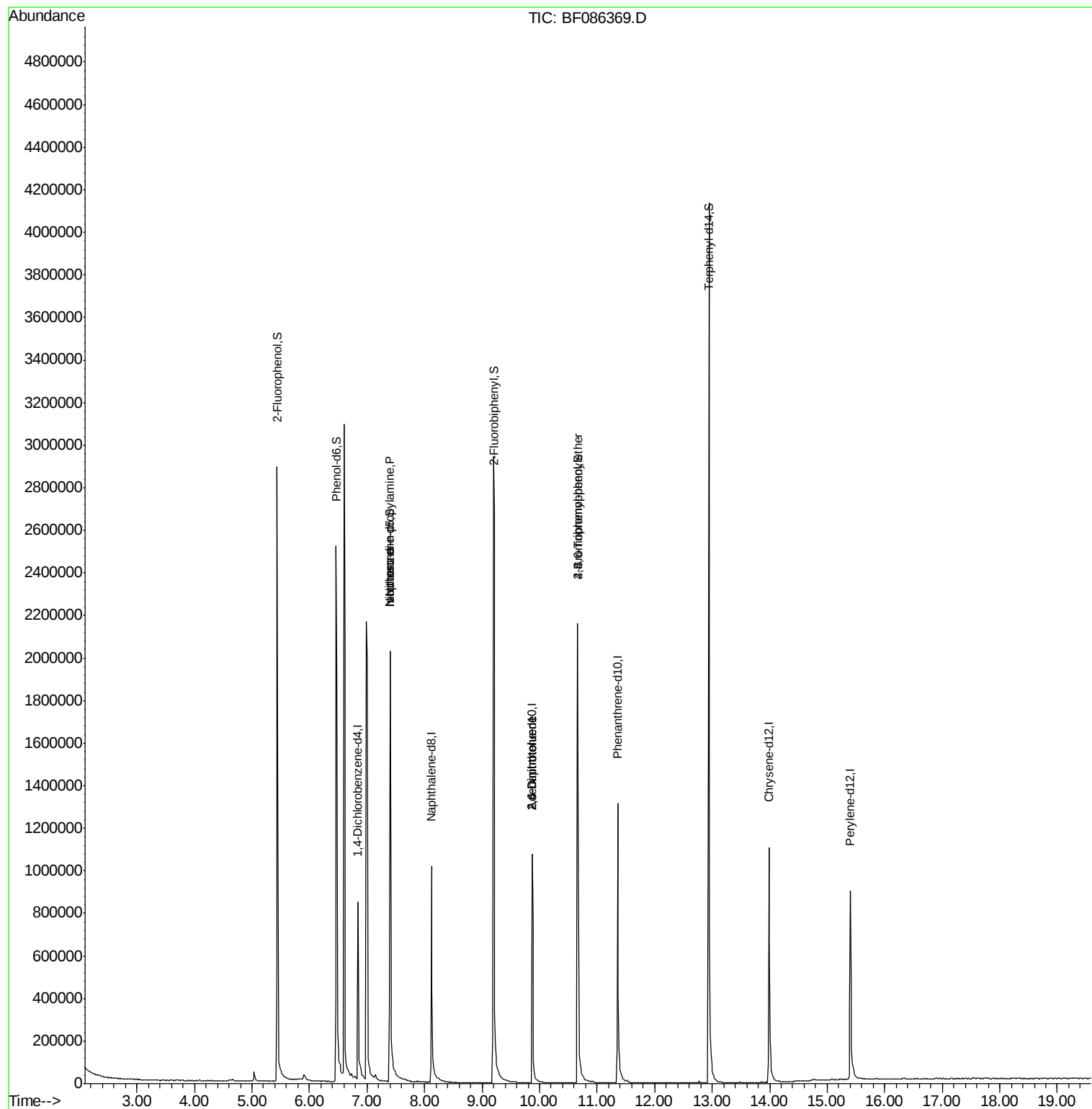
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	166198	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	712394	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	323984	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	684912	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	597188	20.00	ng	-0.01
86) Perylene-d12	15.40	264	518138	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1095809	113.87	ng	0.01
7) Phenol-d6	6.46	99	1526906	116.71	ng	-0.01
23) Nitrobenzene-d5	7.40	82	926251	77.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	348121	118.70	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1679342	88.45	ng	0.00
78) Terphenyl-d14	12.94	244	1565014	65.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	117858	15.07	ng	# 80
25) Isophorone	7.40	82	934149	39.64	ng	# 68
50) 2,6-Dinitrotoluene	9.87	165	38448	7.60	ng	# 20
56) 2,4-Dinitrotoluene	9.87	165	41052	6.11	ng	# 16
66) 4-Bromophenyl-phenylether	10.66	248	21208	3.16	ng	# 1

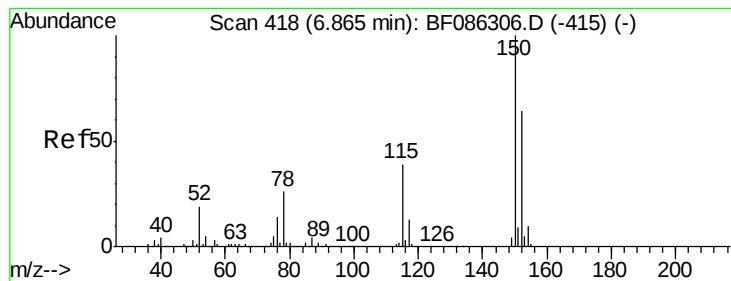
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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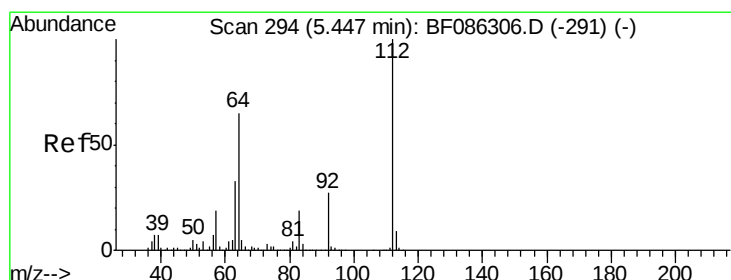
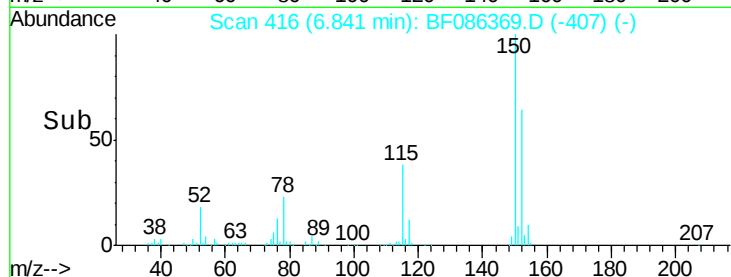
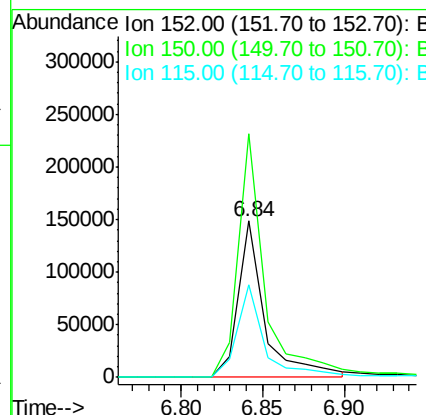
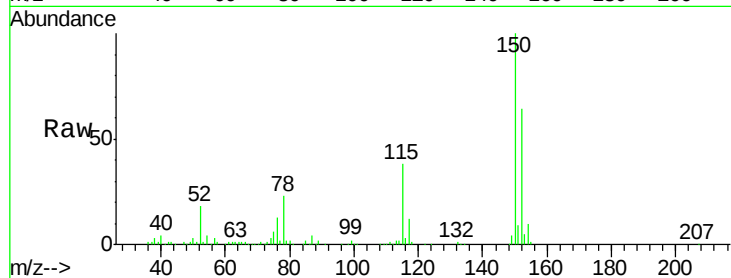




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: BF086369.D
 Acq: 23 Apr 2016 4:21

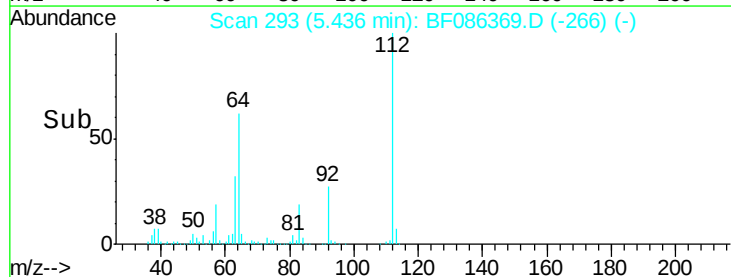
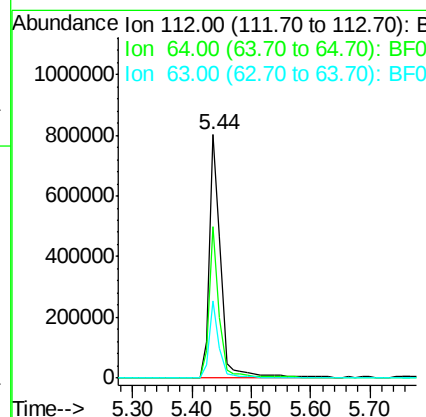
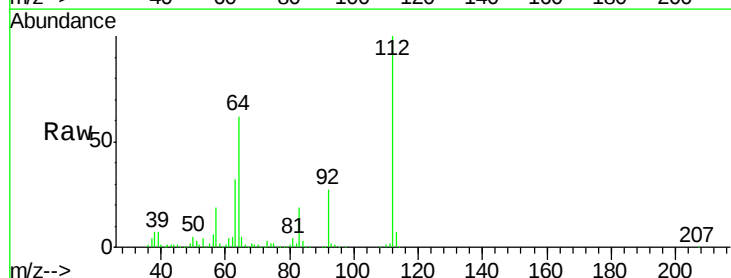
Instrument :
 BNA_F
 ClientSampleId :
 PB89989TB

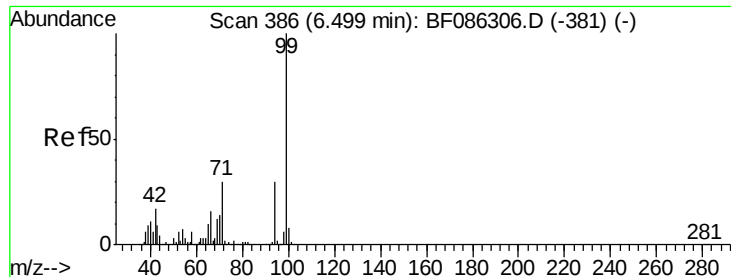
Tgt Ion:152 Resp: 166198
 Ion Ratio Lower Upper
 152 100
 150 156.0 125.8 188.6
 115 59.4 51.5 77.3



#5
 2-Fluorophenol
 Concen: 113.87 ng
 RT: 5.44 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: BF086369.D
 Acq: 23 Apr 2016 4:21

Tgt Ion:112 Resp: 1095809
 Ion Ratio Lower Upper
 112 100
 64 62.4 52.1 78.1
 63 32.0 25.7 38.5





#7

Phenol-d6

Concen: 116.71 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF086369.D

Acq: 23 Apr 2016 4:21

Instrument :

BNA_F

ClientSampleId :

PB89989TB

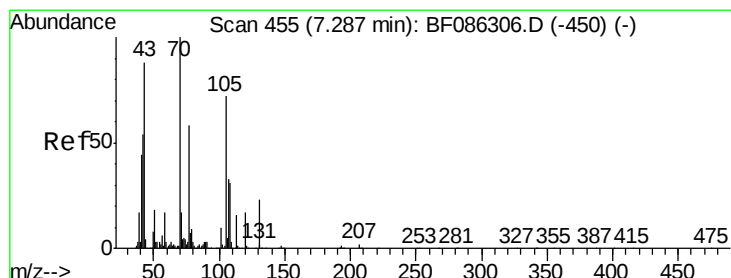
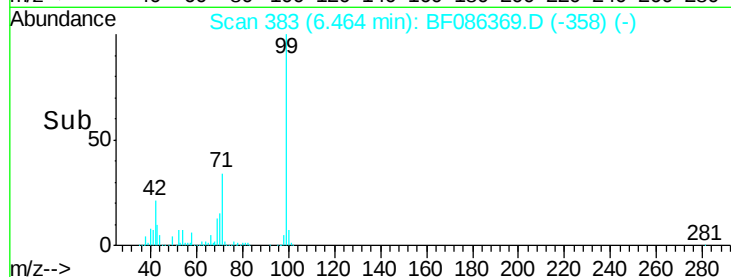
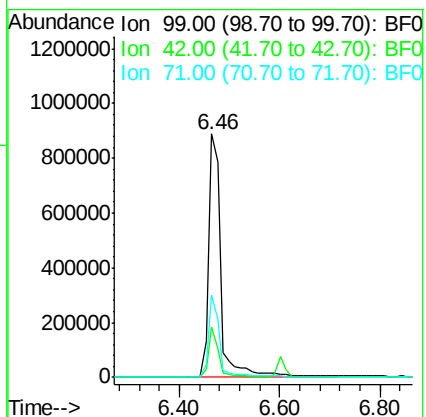
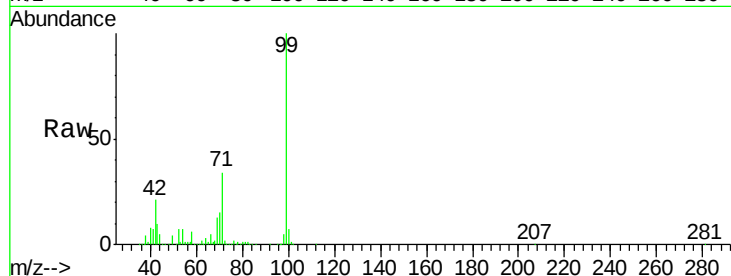
Tgt Ion: 99 Resp: 1526906

Ion Ratio Lower Upper

99 100

42 20.5 13.6 20.4#

71 33.6 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 15.07 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.14 min

Lab File: BF086369.D

Acq: 23 Apr 2016 4:21

Tgt Ion: 70 Resp: 117858

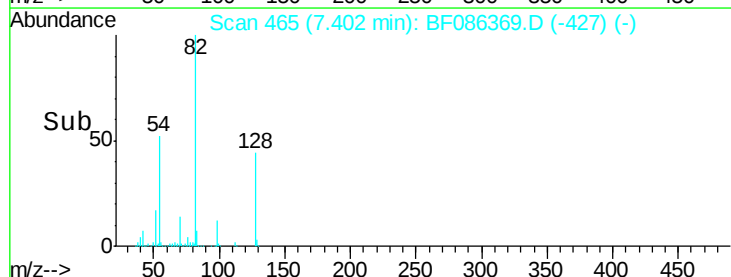
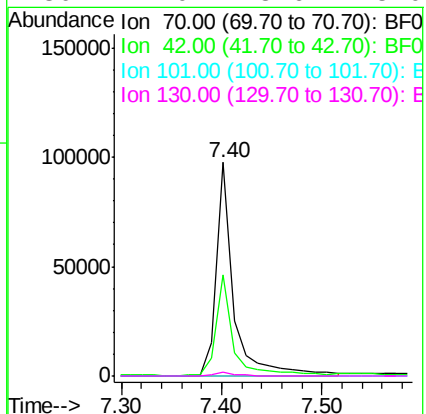
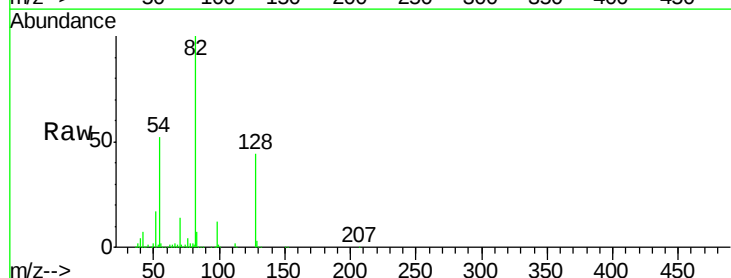
Ion Ratio Lower Upper

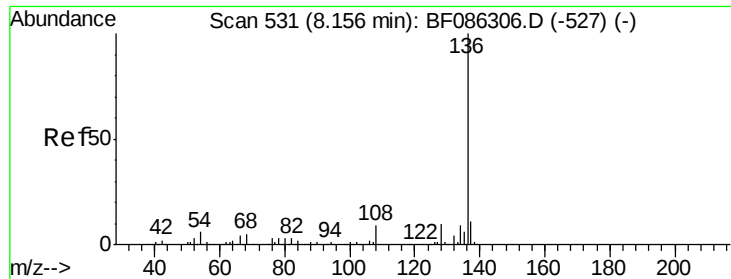
70 100

42 47.3 43.1 64.7

101 0.0 8.1 12.1#

130 2.0 18.6 28.0#

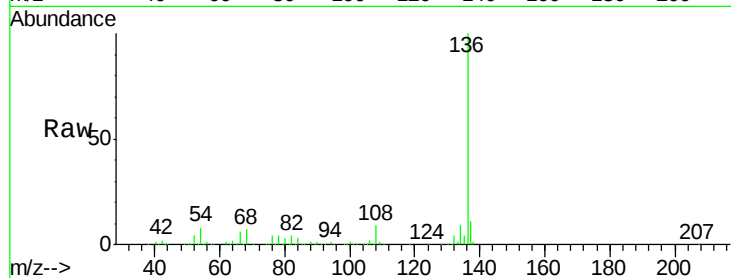




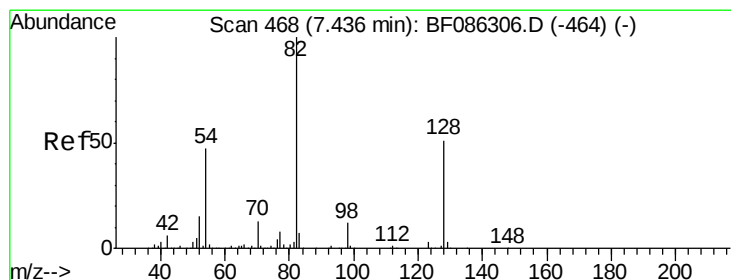
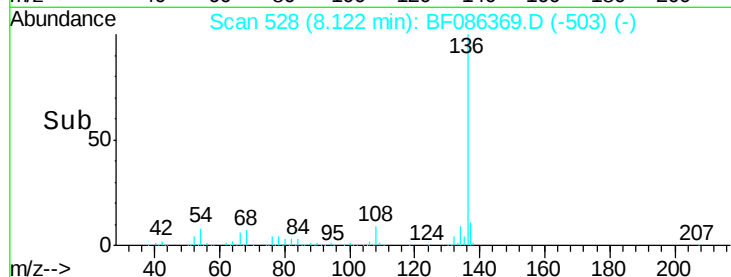
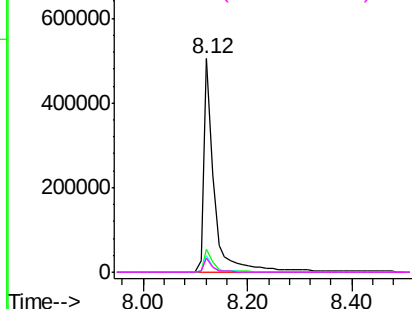
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF086369.D
Acq: 23 Apr 2016 4:21

Instrument :
BNA_F
ClientSampleId :
PB89989TB

Tgt Ion:	136	Resp:	712394
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.1	5.0	7.4#
68	6.7	4.4	6.6#

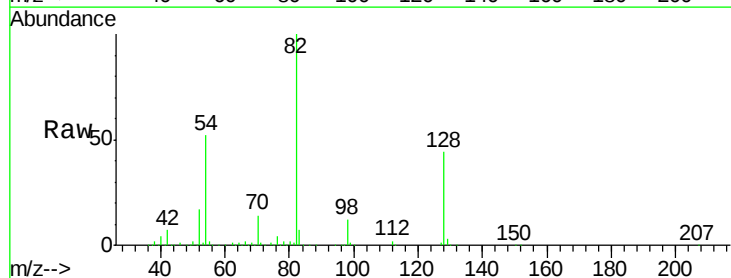


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

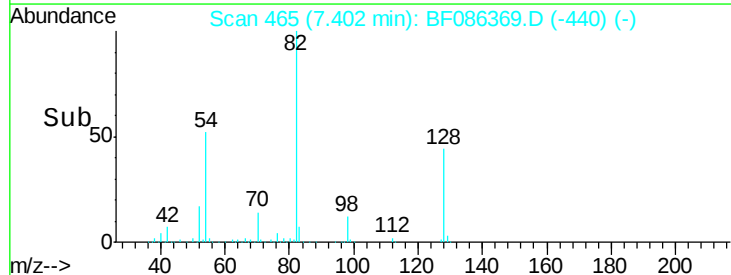
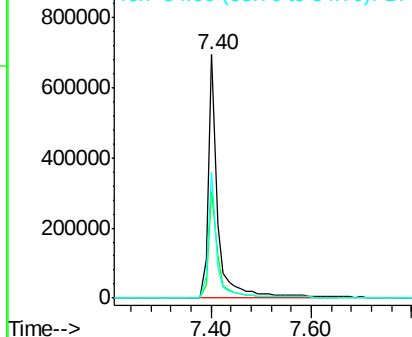


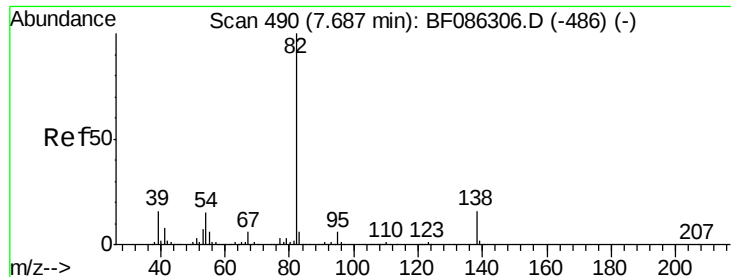
#23
Nitrobenzene-d5
Concen: 77.02 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF086369.D
Acq: 23 Apr 2016 4:21

Tgt Ion:	82	Resp:	926251
Ion	Ratio	Lower	Upper
82	100		
128	43.9	40.6	61.0
54	51.8	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: 39.64 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.26 min

Lab File: BF086369.D

Acq: 23 Apr 2016 4:21

Instrument :

BNA_F

ClientSampleId :

PB89989TB

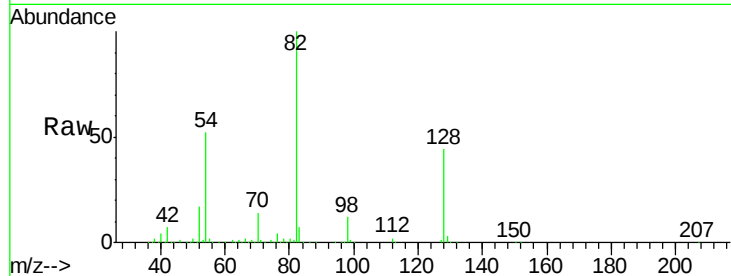
Tgt Ion: 82 Resp: 934149

Ion Ratio Lower Upper

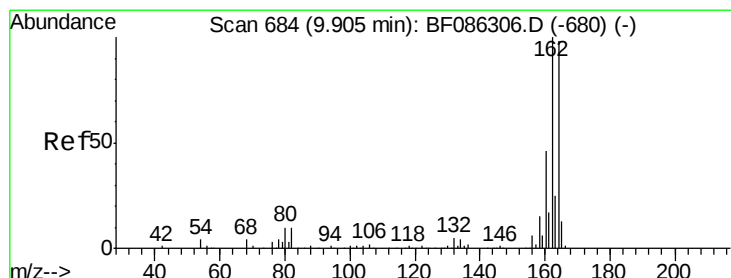
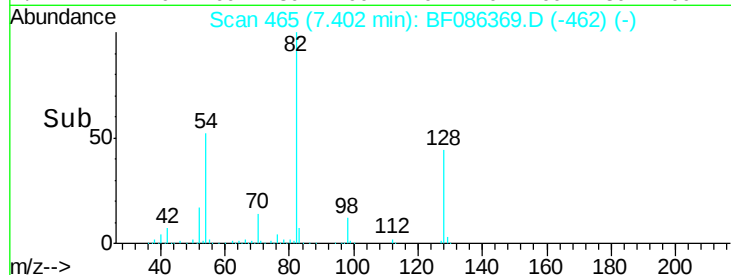
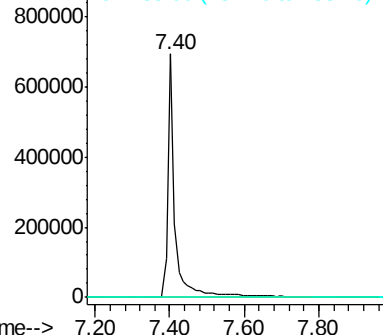
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF086369.D

Acq: 23 Apr 2016 4:21

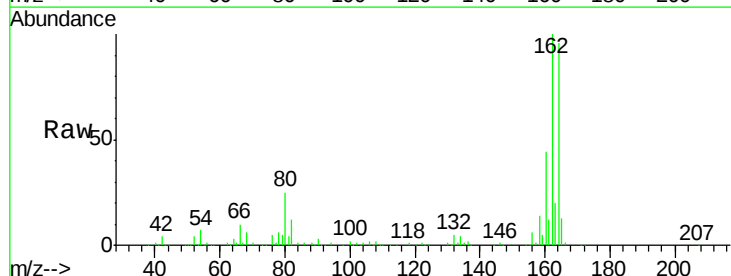
Tgt Ion: 164 Resp: 323984

Ion Ratio Lower Upper

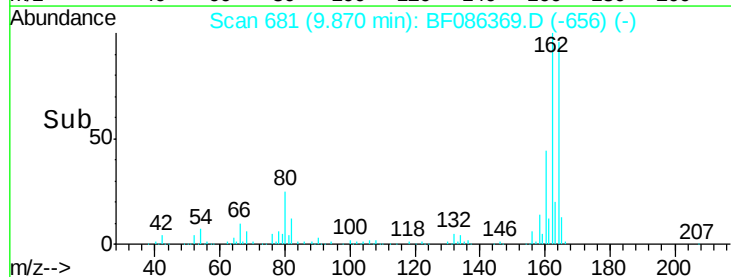
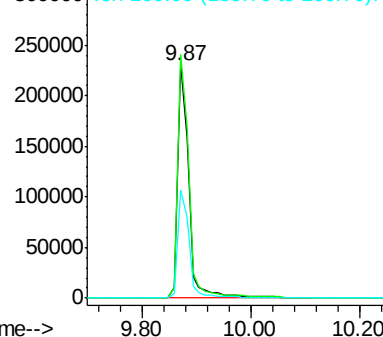
164 100

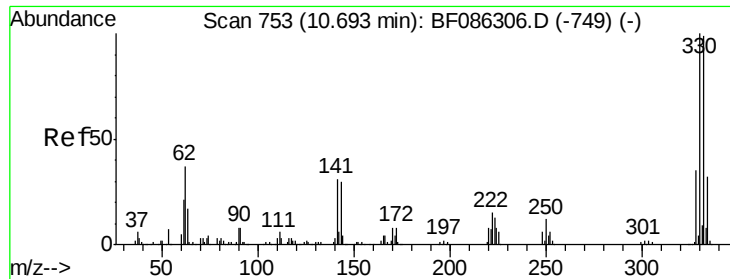
162 104.4 82.8 124.2

160 46.4 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

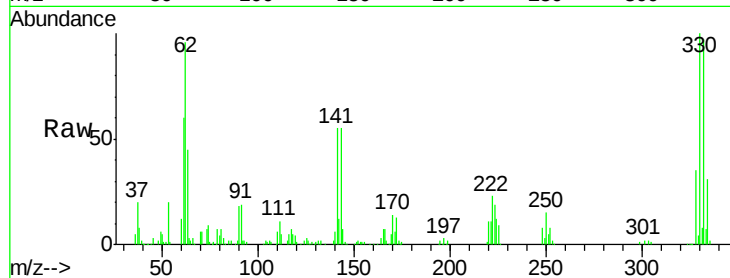




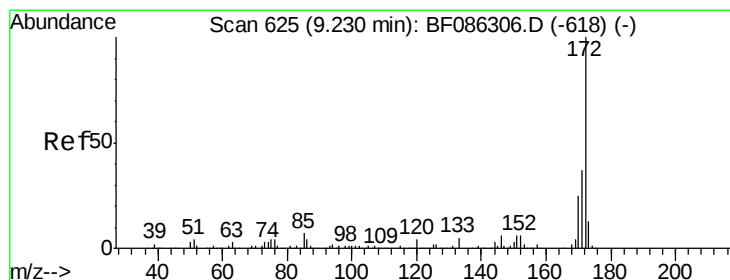
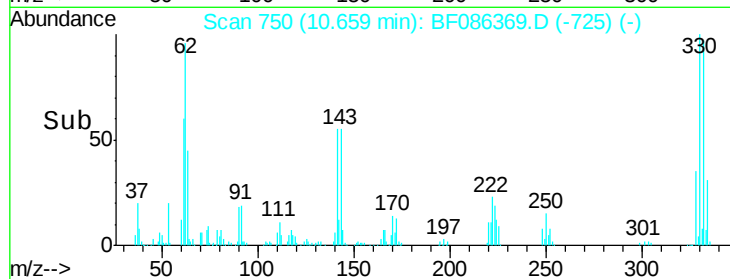
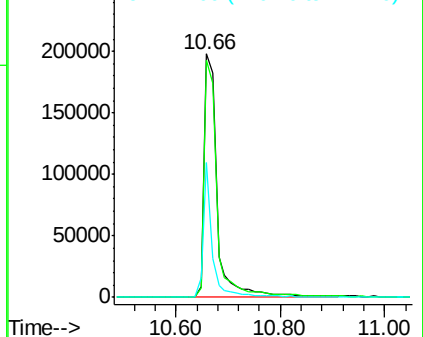
#41
 2,4,6-Tribromophenol
 Concen: 118.70 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF086369.D
 Acq: 23 Apr 2016 4:21

Instrument :
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 ClientSampleId :
 PB89989TB

Tgt Ion:330 Resp: 348121
 Ion Ratio Lower Upper
 330 100
 332 96.6 79.0 118.4
 141 38.1 31.2 46.8

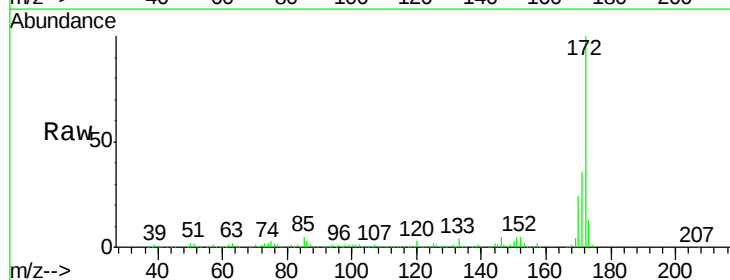


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

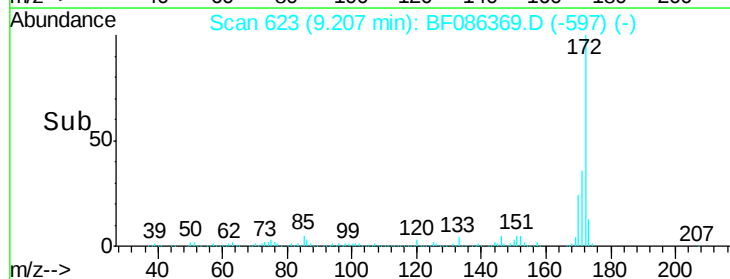
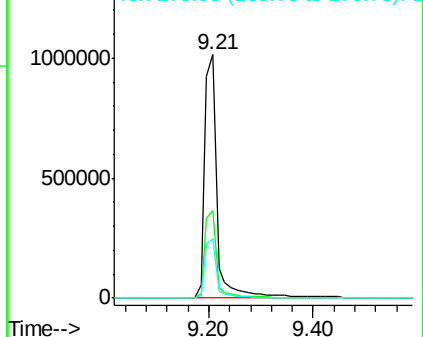


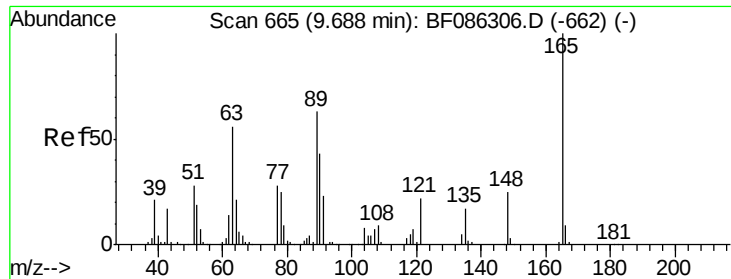
#44
 2-Fluorobiphenyl
 Concen: 88.45 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086369.D
 Acq: 23 Apr 2016 4:21

Tgt Ion:172 Resp: 1679342
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.6
 170 24.3 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

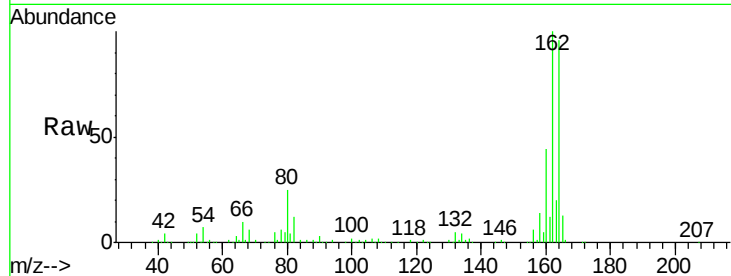




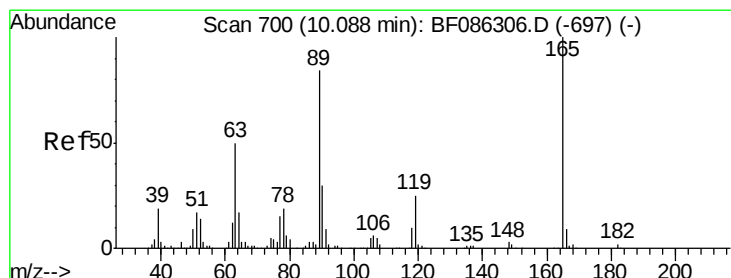
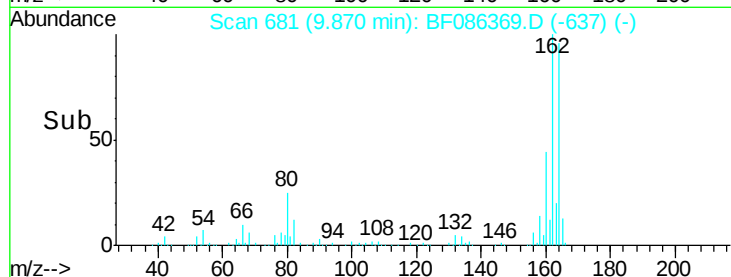
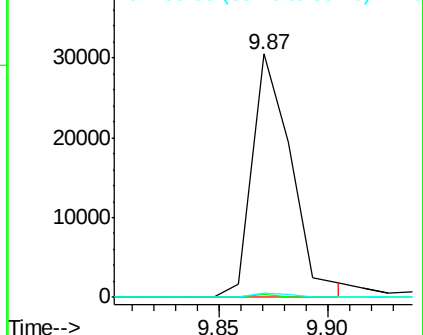
#50
 2,6-Dinitrotoluene
 Concen: 7.60 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.21 min
 Lab File: BF086369.D
 Acq: 23 Apr 2016 4:21

Instrument :
 BNA_F
 ClientSampleId :
 PB89989TB

Tgt Ion:165 Resp: 38448
 Ion Ratio Lower Upper
 165 100
 63 1.5 51.8 77.8#
 89 1.7 50.7 76.1#

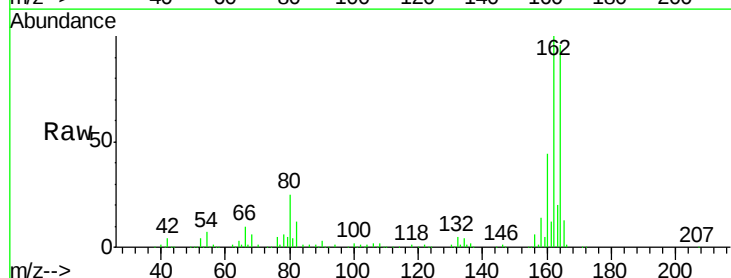


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

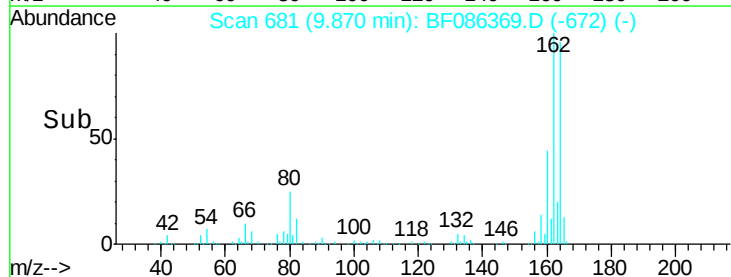
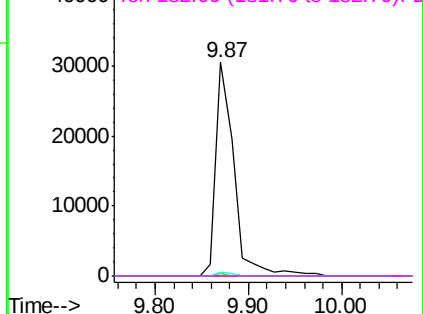


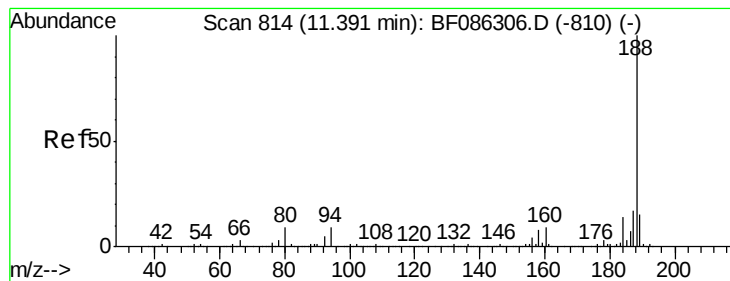
#56
 2,4-Dinitrotoluene
 Concen: 6.11 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.19 min
 Lab File: BF086369.D
 Acq: 23 Apr 2016 4:21

Tgt Ion:165 Resp: 41052
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.3 66.5#
 89 1.7 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: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF086369.D

Acq: 23 Apr 2016 4:21

Instrument :

BNA_F

ClientSampleId :

PB89989TB

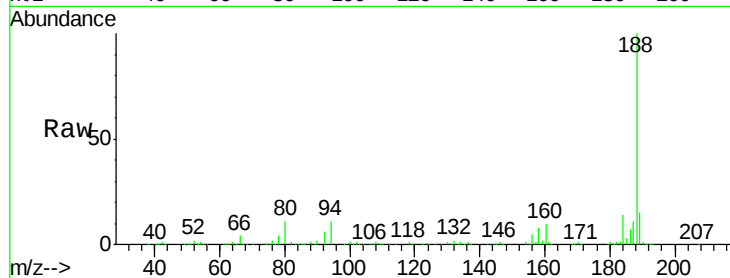
Tgt Ion:188 Resp: 684912

Ion Ratio Lower Upper

188 100

94 10.8 6.8 10.2#

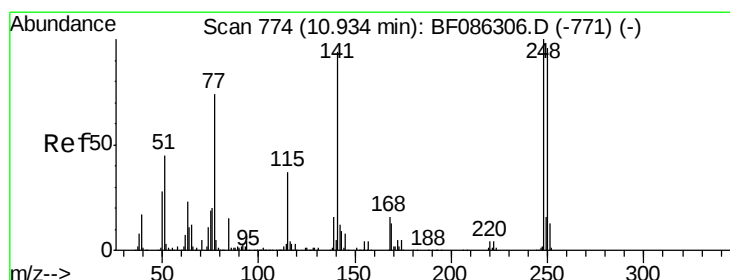
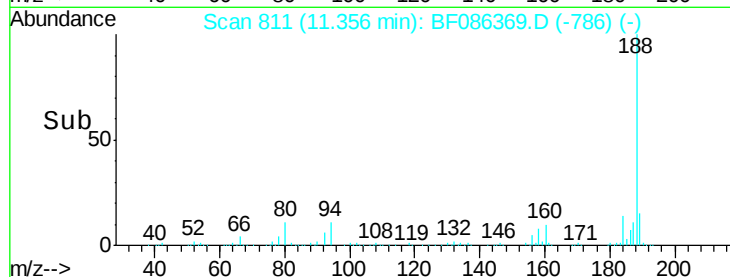
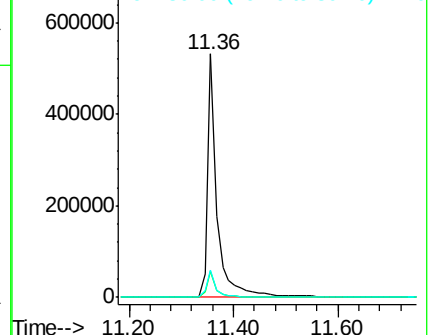
80 11.3 7.1 10.7#



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: 3.16 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.25 min

Lab File: BF086369.D

Acq: 23 Apr 2016 4:21

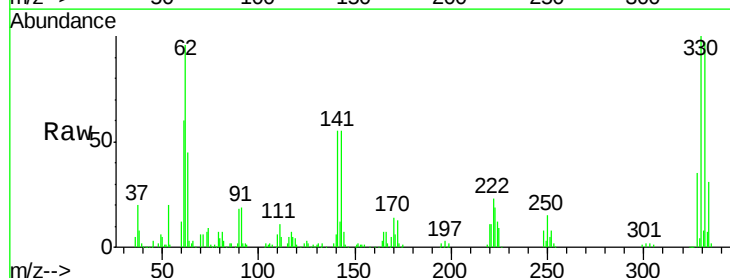
Tgt Ion:248 Resp: 21208

Ion Ratio Lower Upper

248 100

250 192.3 78.6 117.8#

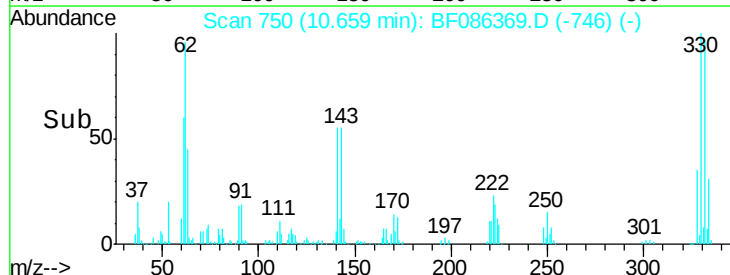
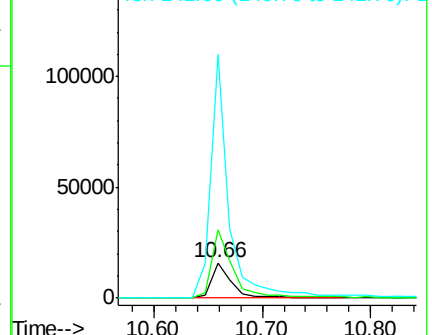
141 690.1 76.0 114.0#

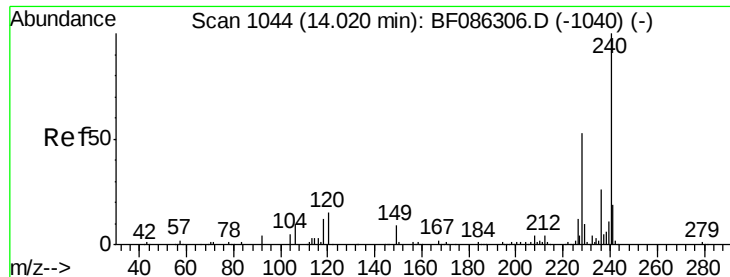


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF086369.D

Acq: 23 Apr 2016 4:21

Instrument :

BNA_F

ClientSampleId :

PB89989TB

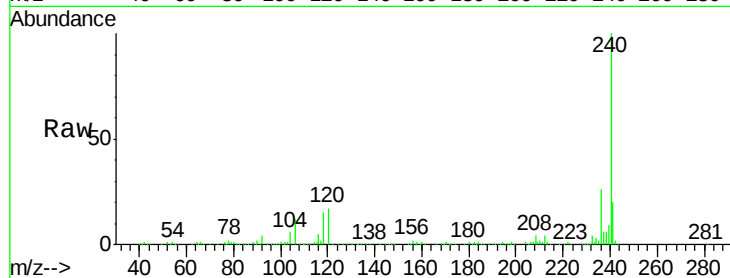
Tgt Ion:240 Resp: 597188

Ion Ratio Lower Upper

240 100

120 17.1 11.2 16.8#

236 25.8 21.2 31.8

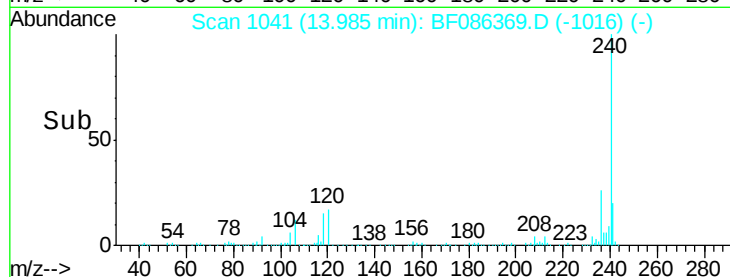


Abundance Ion 240.00 (239.70 to 240.70): E

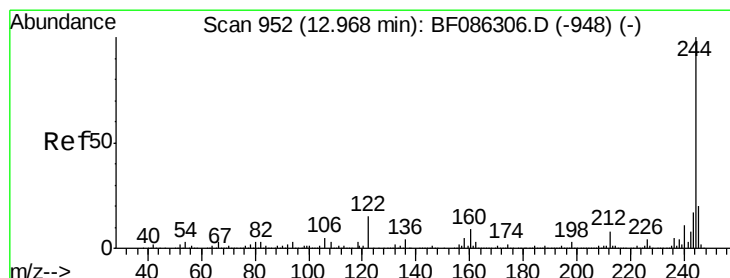
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.99



Time-->



#78

Terphenyl-d14

Concen: 65.11 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF086369.D

Acq: 23 Apr 2016 4:21

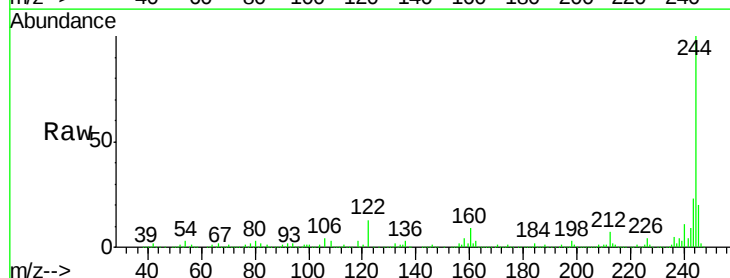
Tgt Ion:244 Resp: 1565014

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

122 13.3 12.0 18.0

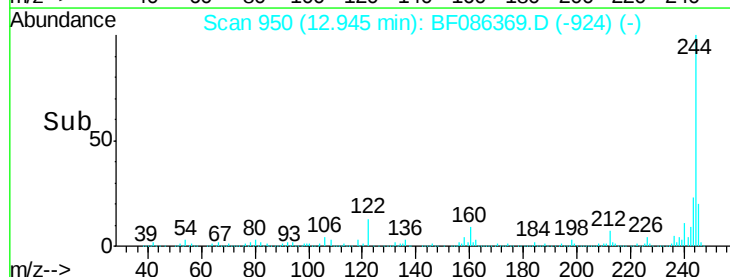


Abundance Ion 244.00 (243.70 to 244.70): E

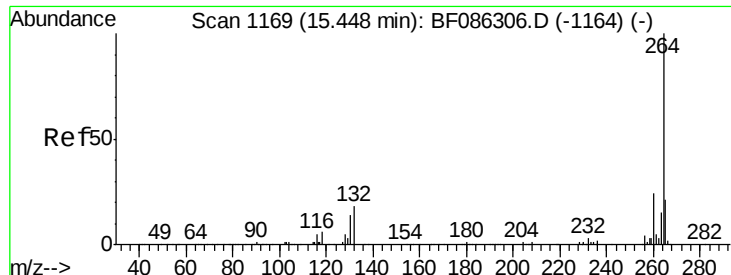
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.94



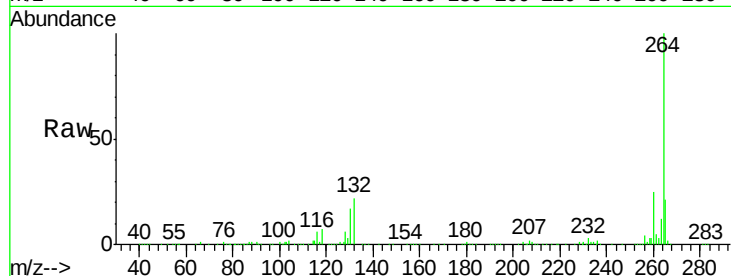
Time-->



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF086369.D
Acq: 23 Apr 2016 4:21

Instrument :
BNA_F
ClientSampleId :
PB89989TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.3	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

