

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042016\
 Data File : BF086340.D
 Acq On : 21 Apr 2016 6:15
 Operator : UM/SJ
 Sample : PB89945TB
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB89945TB

Quant Time: Apr 21 07:22:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 20 15:45:26 2016
 Response via : Initial Calibration

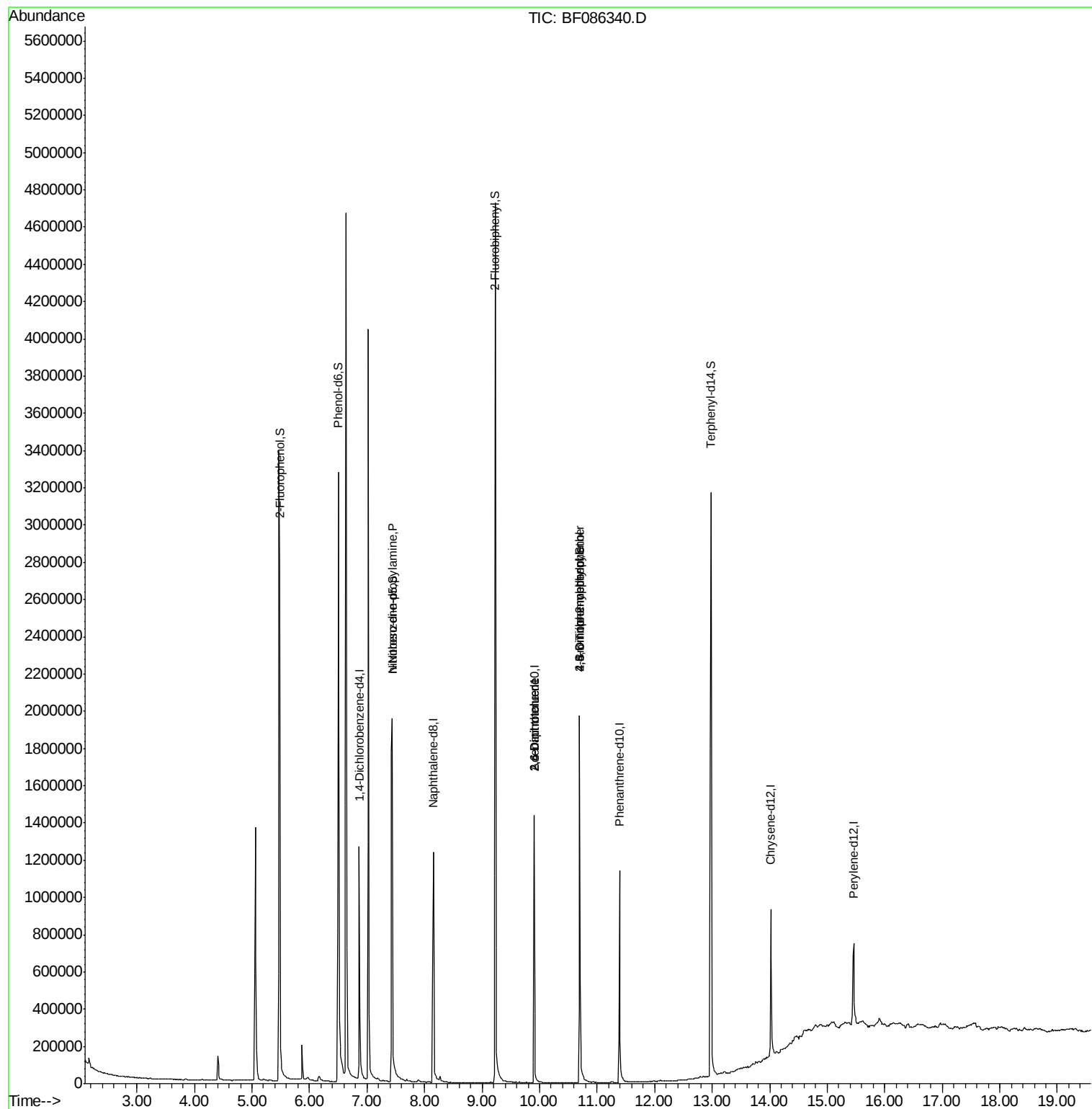
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	219112	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	814079	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	303858	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	488114	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	372349	20.00	ng	-0.03
86) Perylene-d12	15.46	264	270886	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1511479	120.36	ng	0.00
7) Phenol-d6	6.50	99	1899533	115.58	ng	-0.02
23) Nitrobenzene-d5	7.44	82	1146538	80.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	266172	112.39	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	1637084	109.57	ng	-0.03
78) Terphenyl-d14	12.98	244	1223592	78.22	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	144371	14.50	ng	# 74
50) 2,6-Dinitrotoluene	9.90	165	37527	7.88	ng	# 32
56) 2,4-Dinitrotoluene	9.90	165	38649	6.53	ng	# 31
64) 4,6-Dinitro-2-methylphenol	10.69	198	464	6.32	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	16272	3.10	ng	# 1

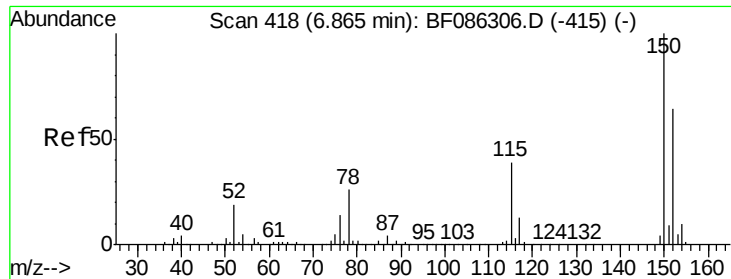
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF086340.D

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BNA_F

ClientSampleId :

PB89945TB

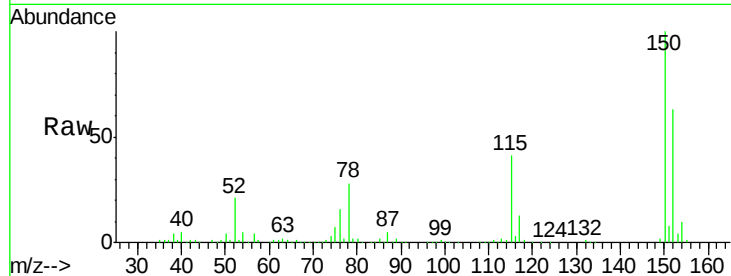
Tgt Ion:152 Resp: 219112

Ion Ratio Lower Upper

152 100

150 158.0 124.1 186.1

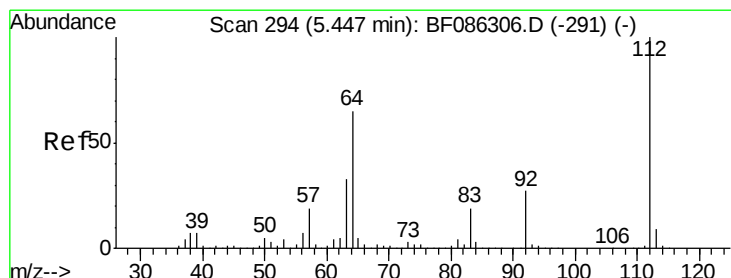
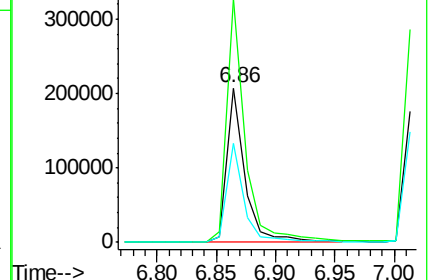
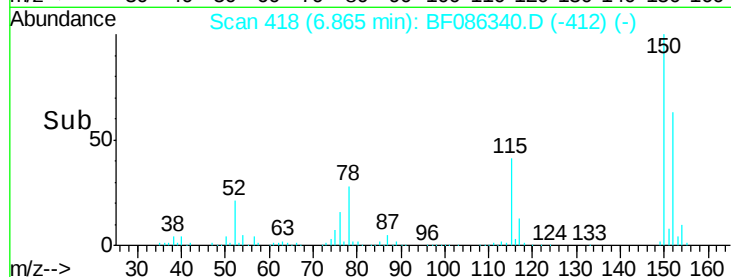
115 64.2 43.9 65.9



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: 120.36 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.00 min

Lab File: BF086340.D

Acq: 21 Apr 2016 6:15

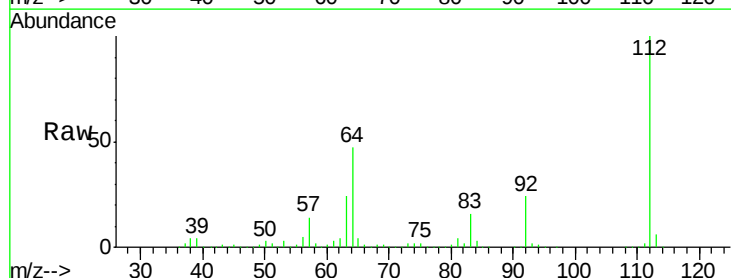
Tgt Ion:112 Resp: 1511479

Ion Ratio Lower Upper

112 100

64 47.5 48.1 72.1#

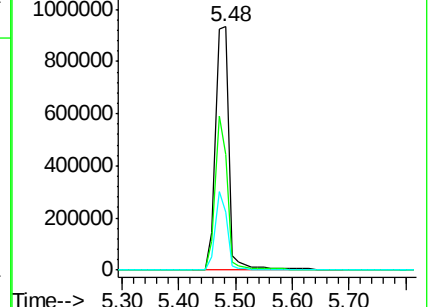
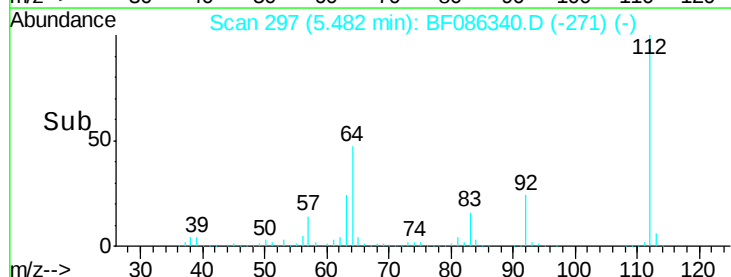
63 23.9 25.5 38.3#

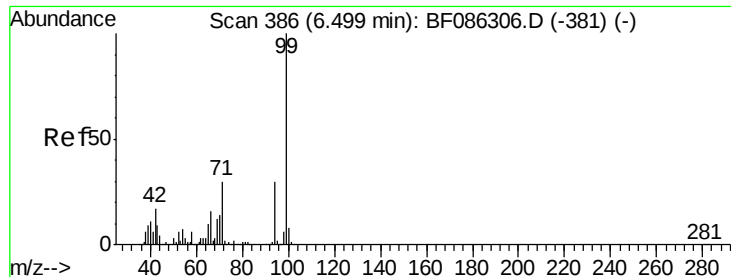


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.58 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086340.D

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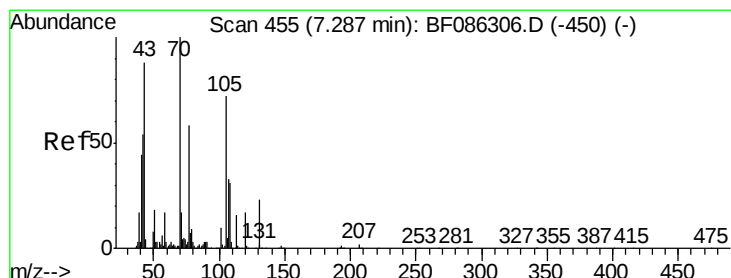
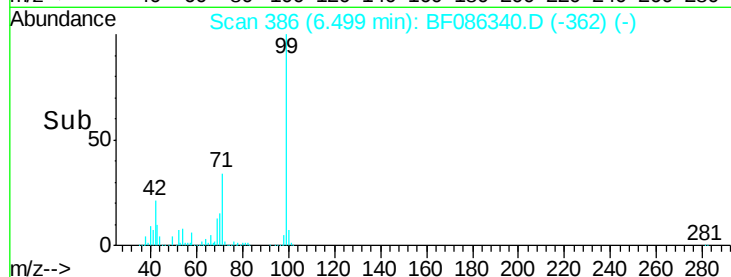
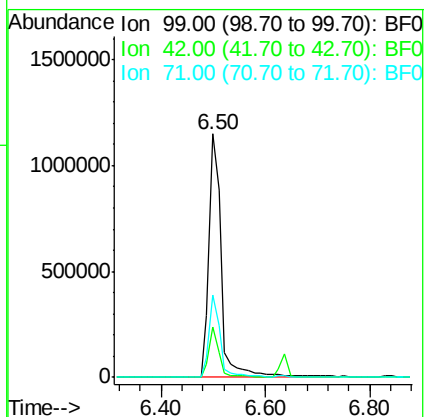
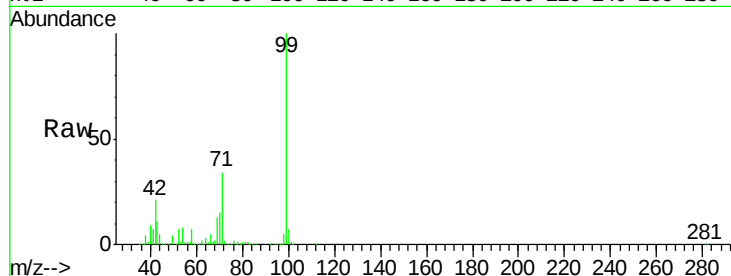
Tgt Ion: 99 Resp: 1899533

Ion Ratio Lower Upper

99 100

42 20.9 15.4 23.2

71 33.9 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.50 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.13 min

Lab File: BF086340.D

Acq: 21 Apr 2016 6:15

Tgt Ion: 70 Resp: 144371

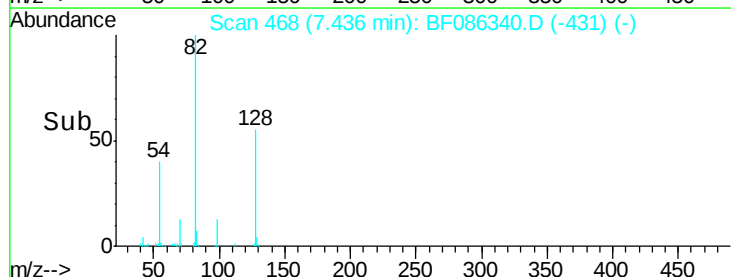
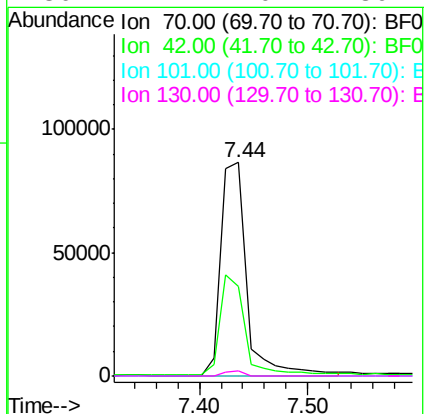
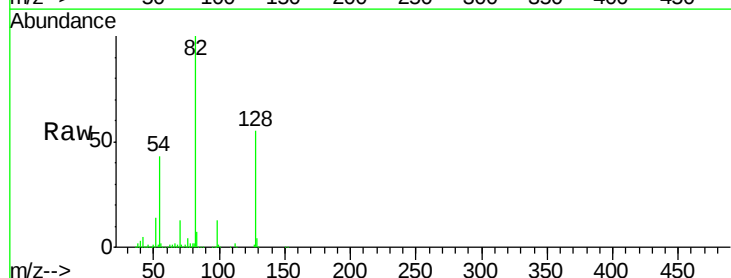
Ion Ratio Lower Upper

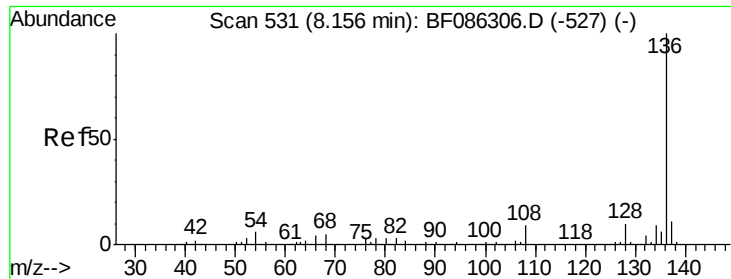
70 100

42 41.8 43.0 64.4#

101 0.0 8.1 12.1#

130 2.7 20.1 30.1#

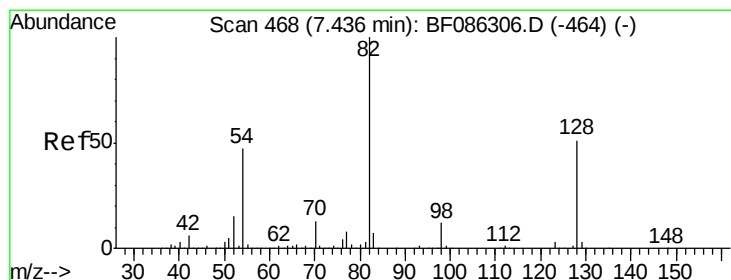
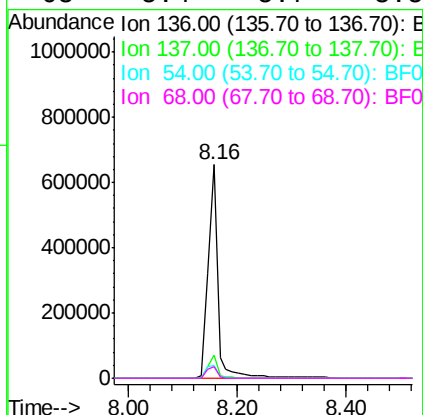
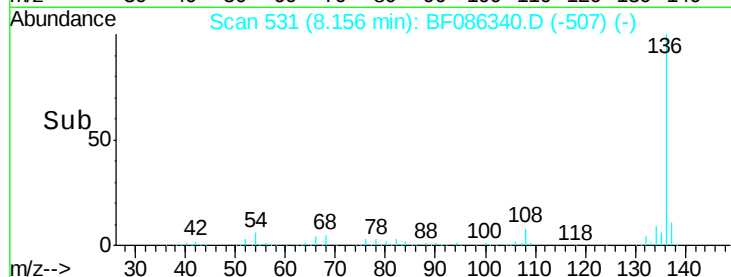
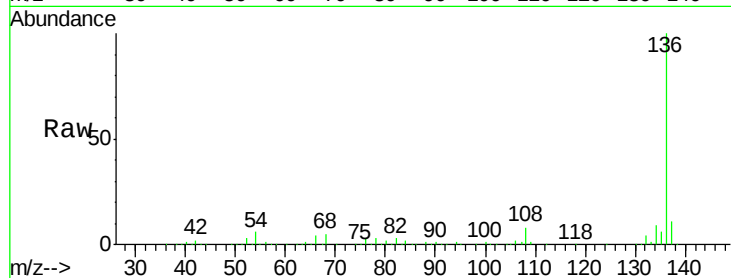




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF086340.D
Acq: 21 Apr 2016 6:15

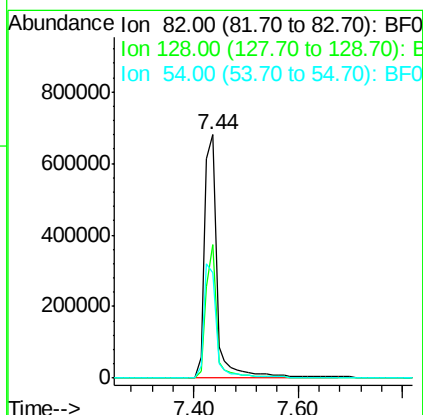
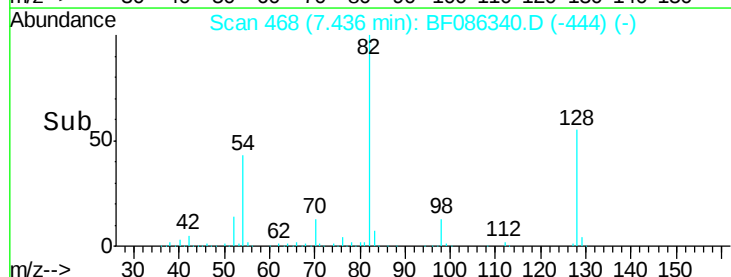
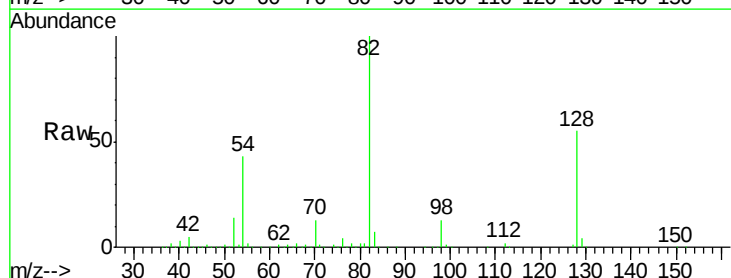
Instrument :
BNA_F
ClientSampleId :
PB89945TB

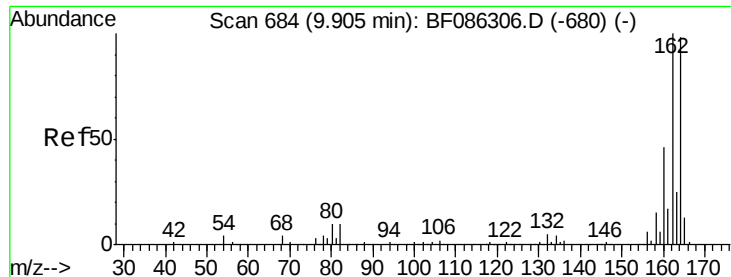
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.1	7.3	10.9#
68	5.4	5.7	8.5#



#23
Nitrobenzene-d5
Concen: 80.66 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.02 min
Lab File: BF086340.D
Acq: 21 Apr 2016 6:15

Tgt Ion	Ratio	Lower	Upper
82	100		
128	54.6	35.4	53.2#
54	43.4	43.4	65.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.03 min

Lab File: BF086340.D

Acq: 21 Apr 2016 6:15

Instrument :

BNA_F

ClientSampleId :

PB89945TB

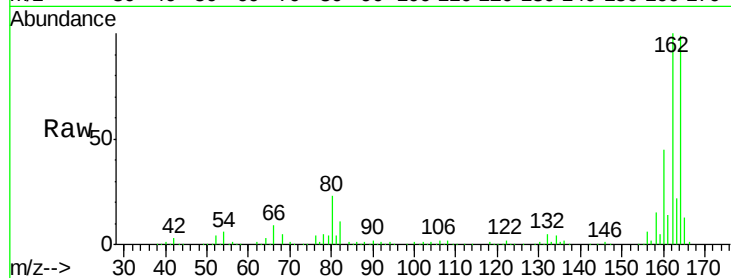
Tgt Ion:164 Resp: 303858

Ion Ratio Lower Upper

164 100

162 101.3 82.8 124.2

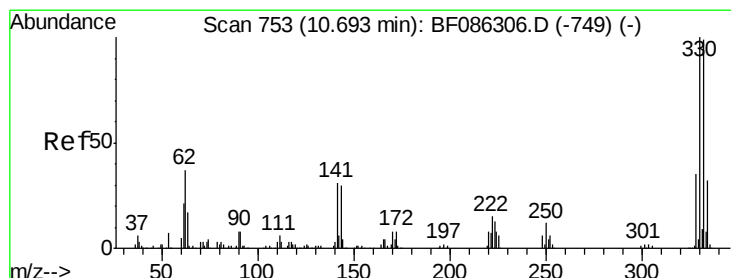
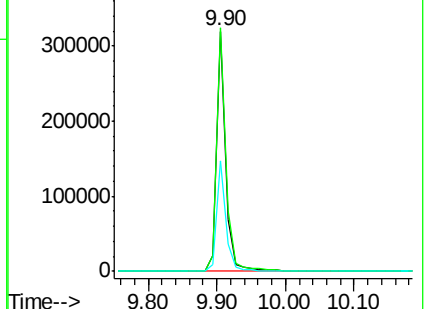
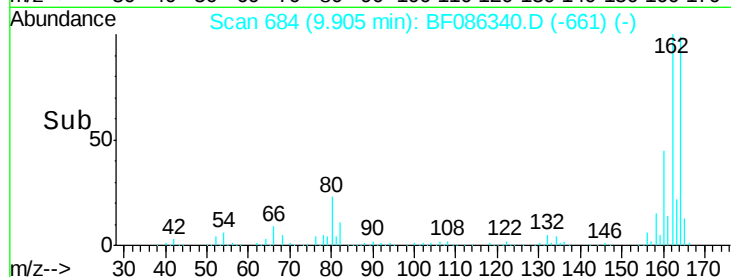
160 45.9 38.9 58.3



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: 112.39 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF086340.D

Acq: 21 Apr 2016 6:15

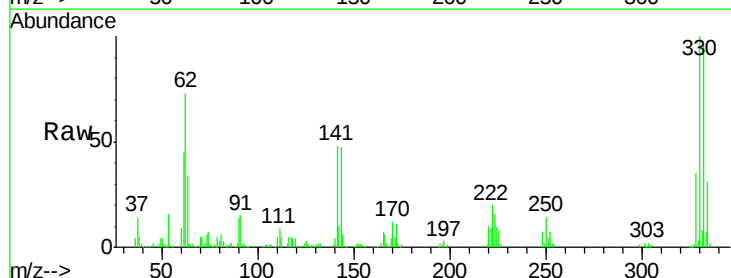
Tgt Ion:330 Resp: 266172

Ion Ratio Lower Upper

330 100

332 97.3 78.7 118.1

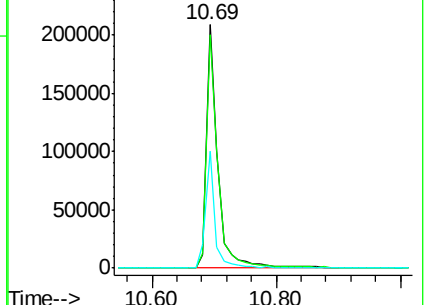
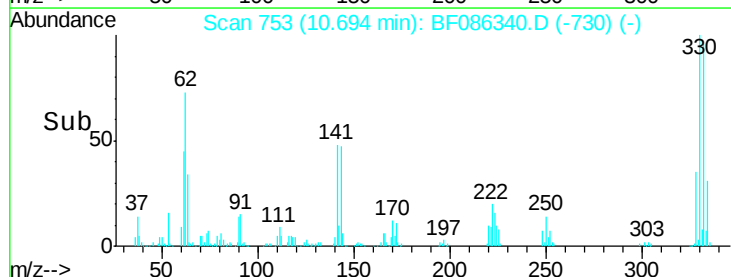
141 41.9 28.6 42.8

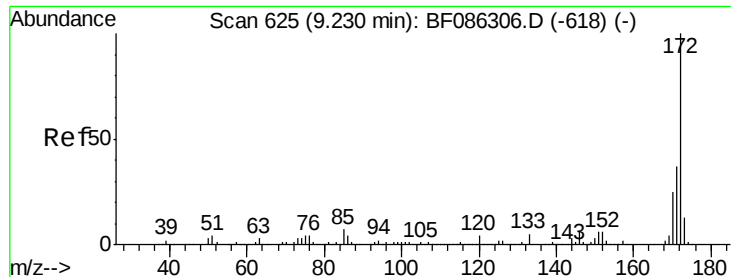


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

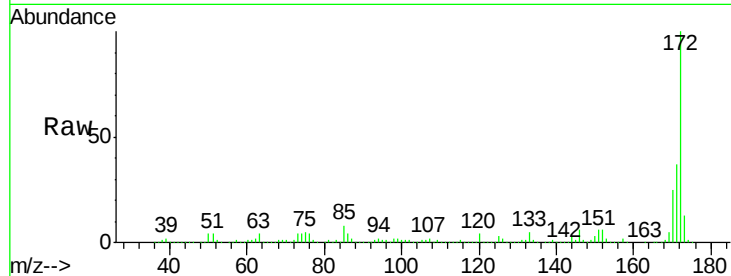




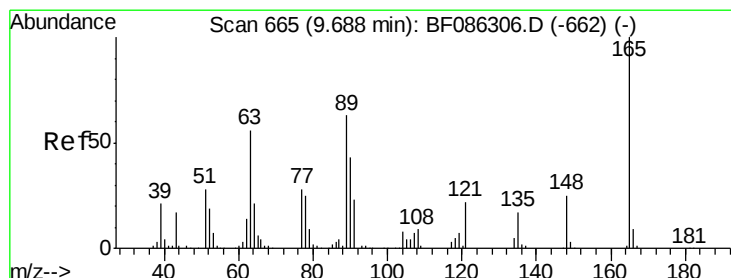
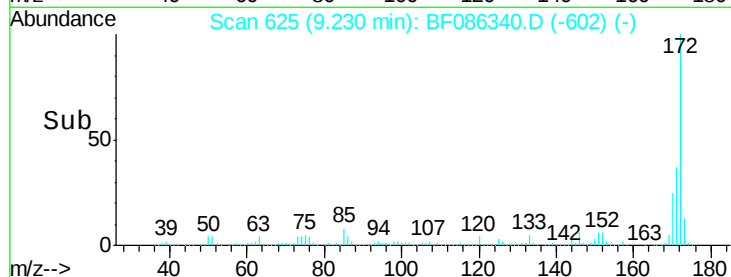
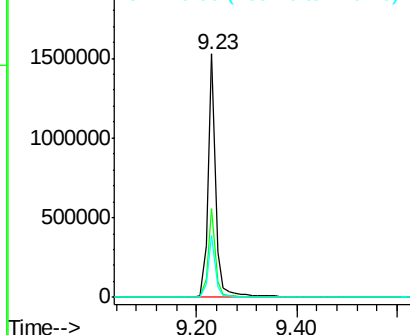
#44
 2-Fluorobiphenyl
 Concen: 109.57 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF086340.D
 Acq: 21 Apr 2016 6:15

Instrument :
 BNA_F
 ClientSampleId :
 PB89945TB

Tgt Ion:172 Resp: 1637084
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.1 43.7
 170 25.2 19.9 29.9

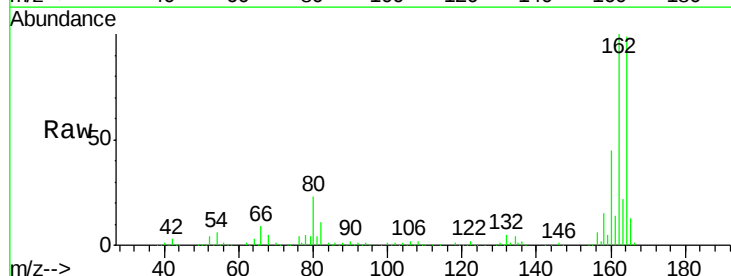


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

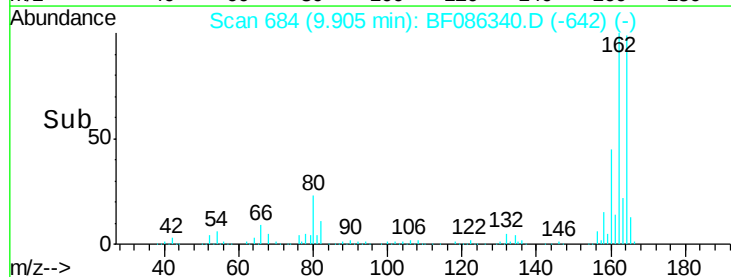
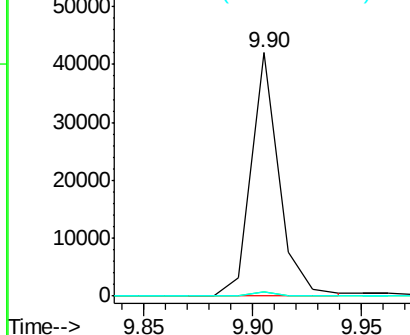


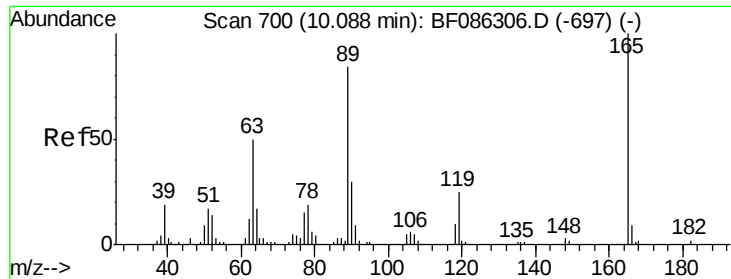
#50
 2,6-Dinitrotoluene
 Concen: 7.88 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.18 min
 Lab File: BF086340.D
 Acq: 21 Apr 2016 6:15

Tgt Ion:165 Resp: 37527
 Ion Ratio Lower Upper
 165 100
 63 1.9 35.1 52.7#
 89 1.6 39.8 59.6#



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

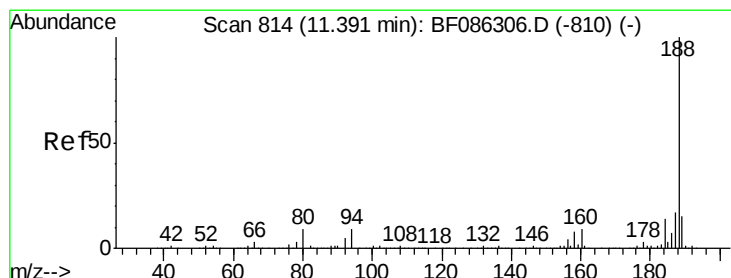
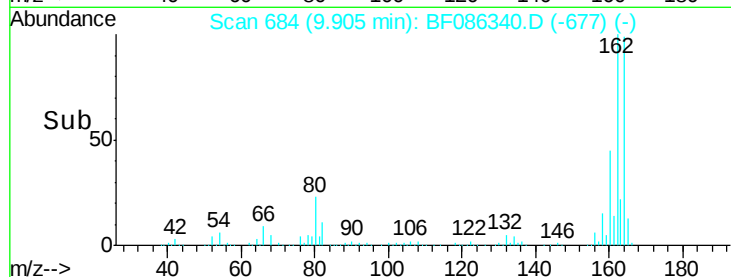
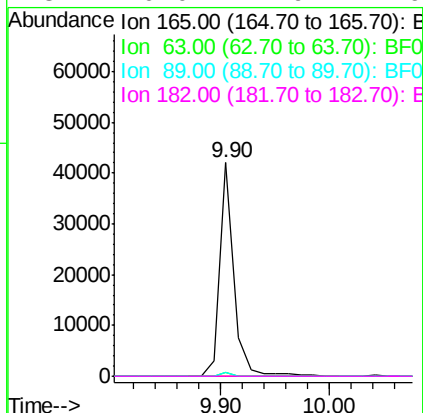
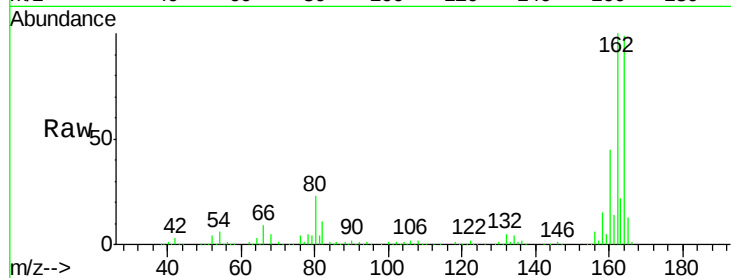




#56
 2,4-Dinitrotoluene
 Concen: 6.53 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.22 min
 Lab File: BF086340.D
 Acq: 21 Apr 2016 6:15

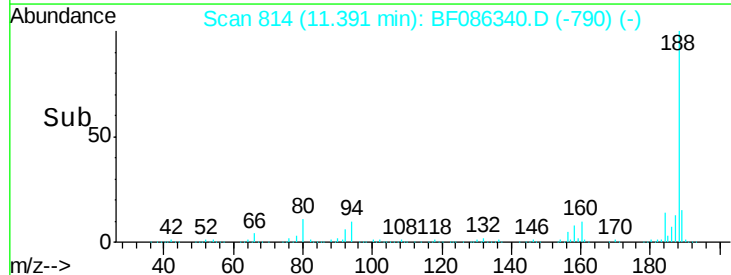
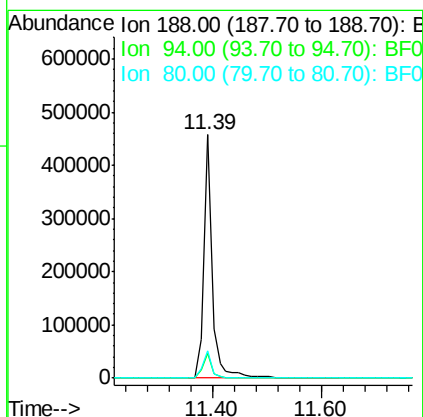
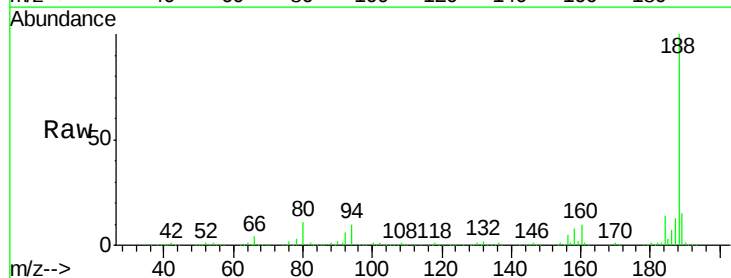
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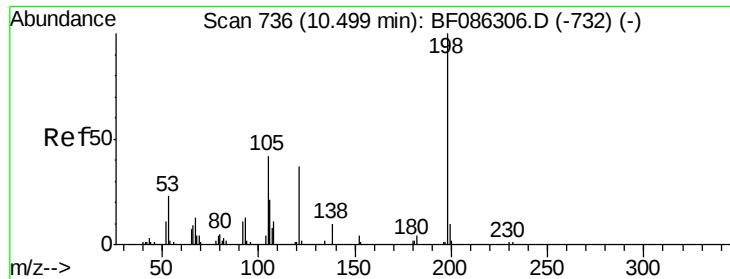
Tgt Ion:	165	Resp:	38649
Ion	Ratio	Lower	Upper
165	100		
63	1.9	26.6	40.0#
89	1.6	49.5	74.3#
182	0.0	1.9	2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.02 min
 Lab File: BF086340.D
 Acq: 21 Apr 2016 6:15

Tgt Ion:	188	Resp:	488114
Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.8	14.8
80	11.0	10.5	15.7

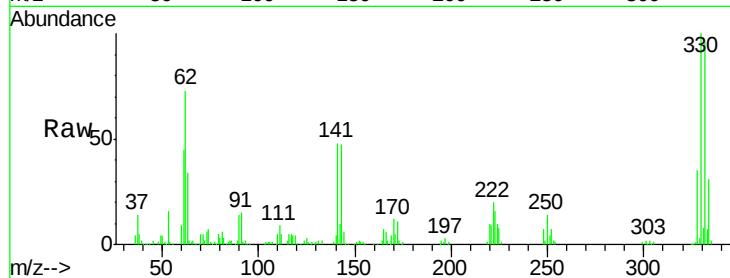




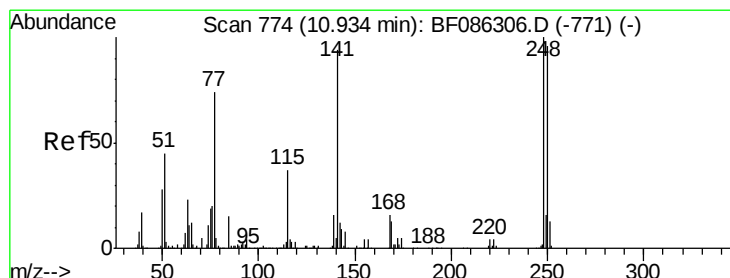
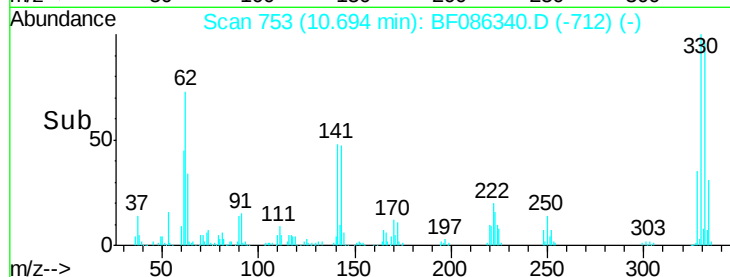
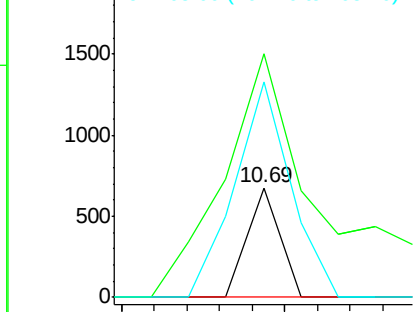
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.32 ng
 RT: 10.69 min Scan# 753
 Delta R.T. 0.17 min
 Lab File: BF086340.D
 Acq: 21 Apr 2016 6:15

Instrument :
 BNA_F
 ClientSampleId :
 PB89945TB

Tgt Ion:198 Resp: 464
 Ion Ratio Lower Upper
 198 100
 51 222.0 56.5 96.5#
 105 196.4 48.0 88.0#

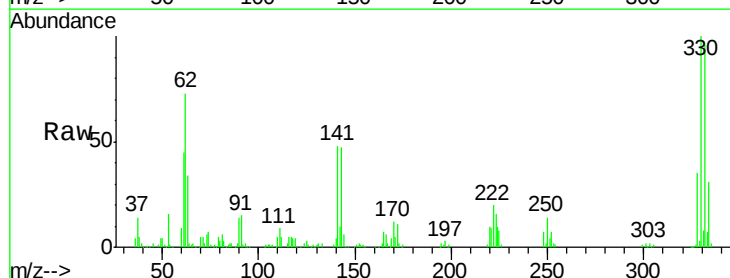


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

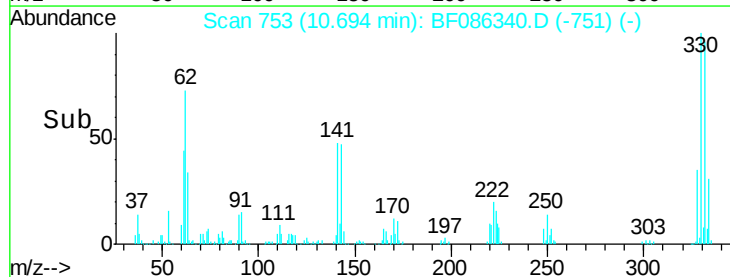
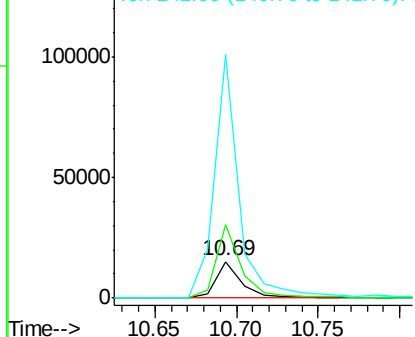


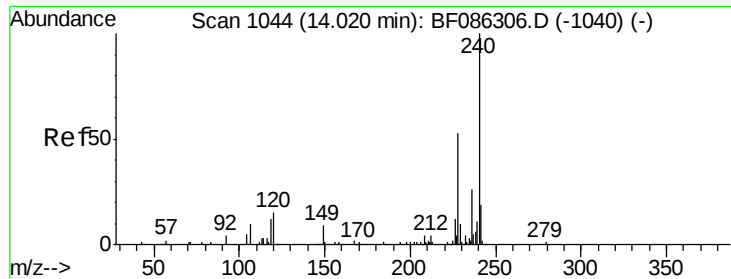
#66
 4-Bromophenyl-phenylether
 Concen: 3.10 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.27 min
 Lab File: BF086340.D
 Acq: 21 Apr 2016 6:15

Tgt Ion:248 Resp: 16272
 Ion Ratio Lower Upper
 248 100
 250 198.7 78.6 118.0#
 141 662.7 57.9 86.9#



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: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF086340.D

Acq: 21 Apr 2016 6:15

Instrument :

BNA_F

ClientSampleId :

PB89945TB

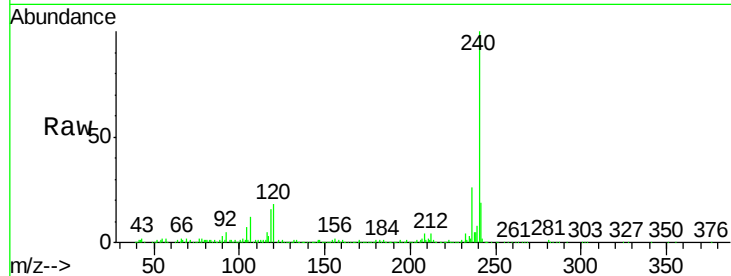
Tgt Ion:240 Resp: 372349

Ion Ratio Lower Upper

240 100

120 18.5 9.3 13.9#

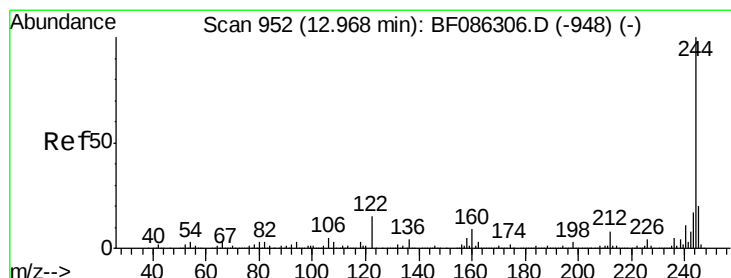
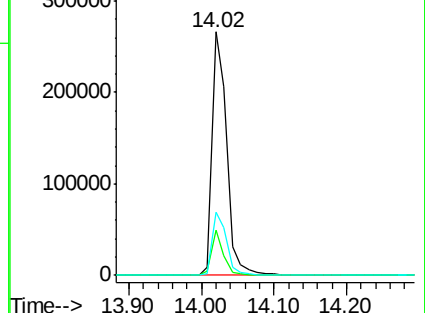
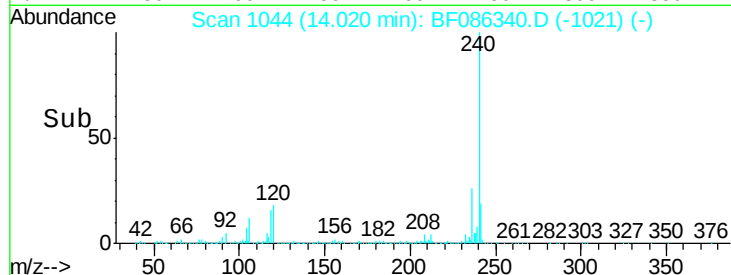
236 26.2 21.1 31.7



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



#78

Terphenyl-d14

Concen: 78.22 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.02 min

Lab File: BF086340.D

Acq: 21 Apr 2016 6:15

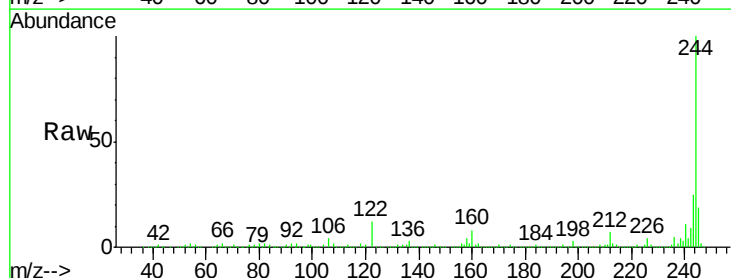
Tgt Ion:244 Resp: 1223592

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

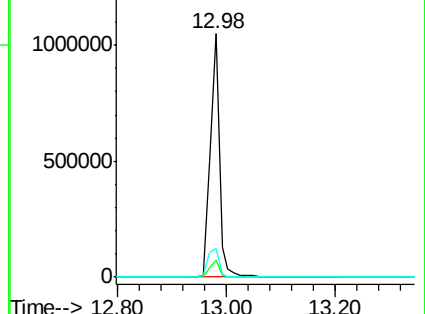
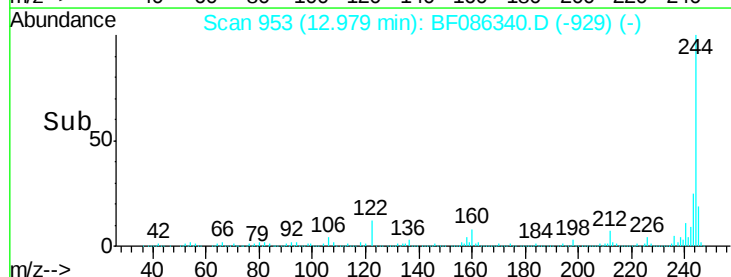
122 11.6 11.7 17.5#

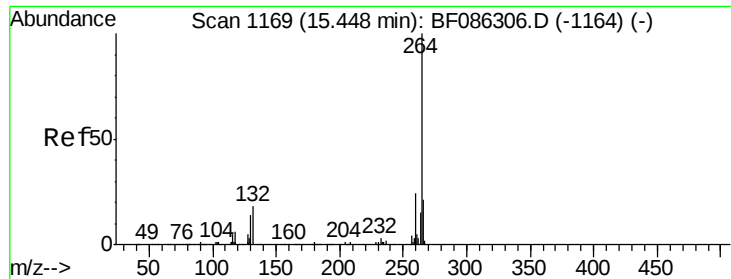


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

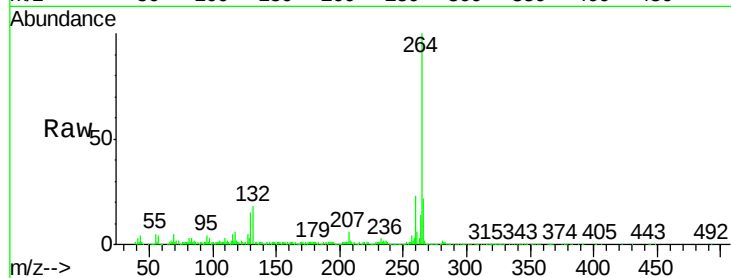




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF086340.D
Acq: 21 Apr 2016 6:15

Instrument :
BNA_F
ClientSampleId :
PB89945TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	20.0	30.0
265	21.6	17.4	26.0



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

