

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030317\
 Data File : BF093387.D
 Acq On : 4 Mar 2017 6:11
 Operator : SJ/MA
 Sample : PB97311TB
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97311TB

Quant Time: Mar 05 23:39:34 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

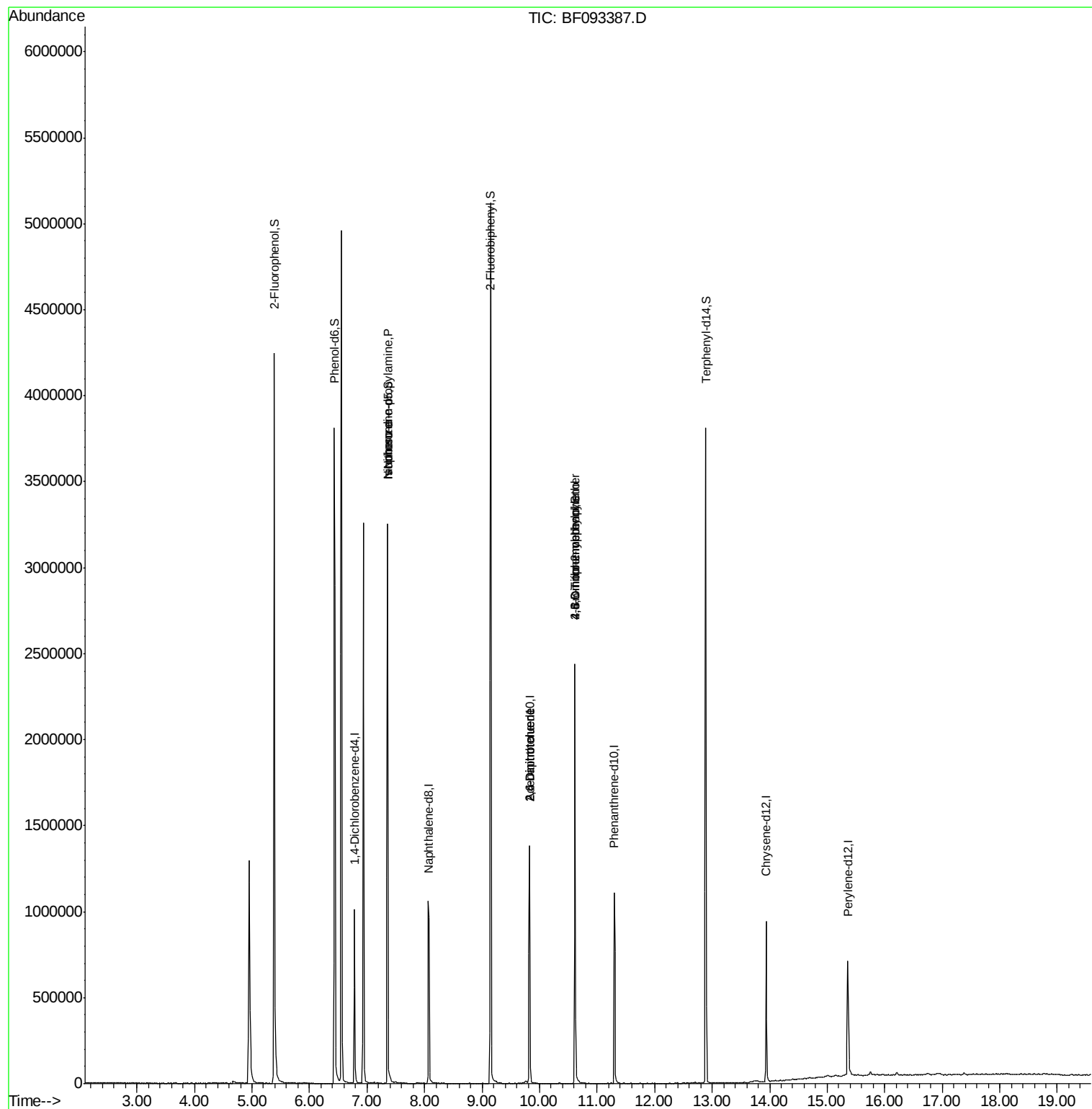
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	188536	20.00	ng	-0.07
21) Naphthalene-d8	8.08	136	732236	20.00	ng	-0.07
38) Acenaphthene-d10	9.82	164	333130	20.00	ng	-0.07
63) Phenanthrene-d10	11.30	188	536043	20.00	ng	-0.08
75) Chrysene-d12	13.94	240	354525	20.00	ng	-0.08
86) Perylene-d12	15.36	264	314943	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1593071	144.96	ng	-0.06
7) Phenol-d6	6.43	99	1937860	137.05	ng	-0.06
23) Nitrobenzene-d5	7.36	82	1183897	90.04	ng	-0.07
41) 2,4,6-Tribromophenol	10.61	330	282885	117.41	ng	-0.07
44) 2-Fluorobiphenyl	9.15	172	1853410	100.79	ng	-0.07
78) Terphenyl-d14	12.89	244	1187562	78.71	ng	-0.08
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	158216	17.58	ng	# 81
25) Isophorone	7.36	82	903408	36.87	ng	# 65
50) 2,6-Dinitrotoluene	9.82	165	42122	8.69	ng	# 31
56) 2,4-Dinitrotoluene	9.82	165	42124	6.53	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.61	198	558	2.83	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	21852	3.90	ng	# 1

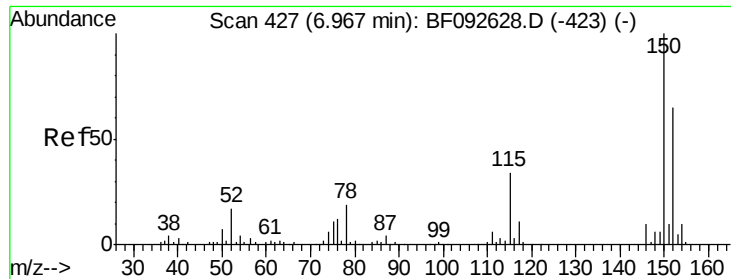
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.07 min

Lab File: BF093387.D

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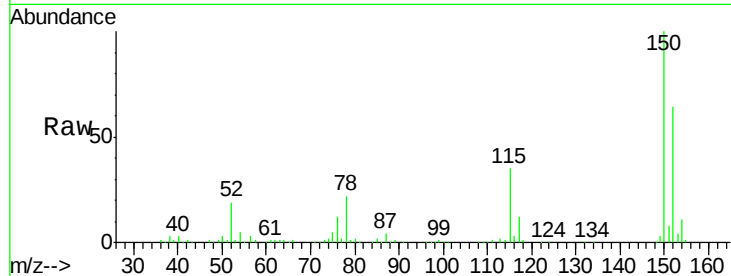
Tgt Ion:152 Resp: 188536

Ion Ratio Lower Upper

152 100

150 156.1 124.9 187.3

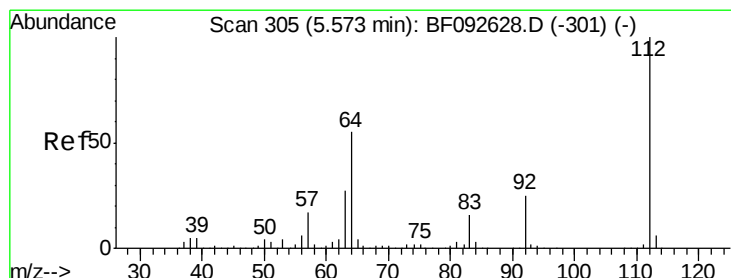
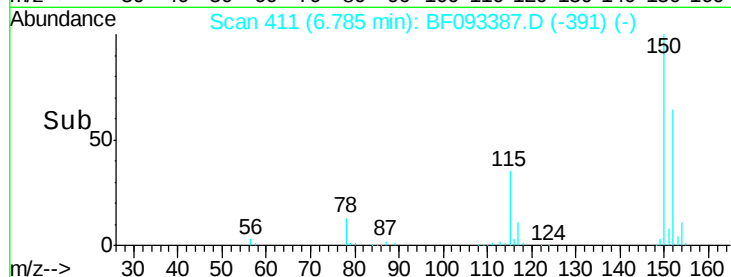
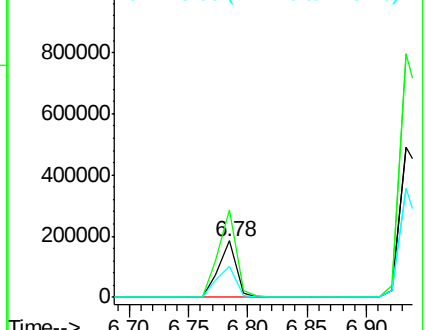
115 55.3 46.0 69.0



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: 144.96 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.06 min

Lab File: BF093387.D

Acq: 4 Mar 2017 6:11

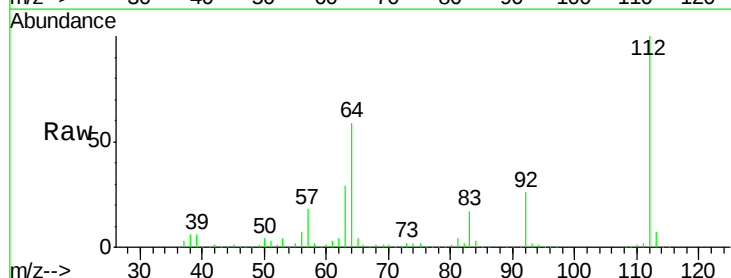
Tgt Ion:112 Resp: 1593071

Ion Ratio Lower Upper

112 100

64 58.6 46.1 69.1

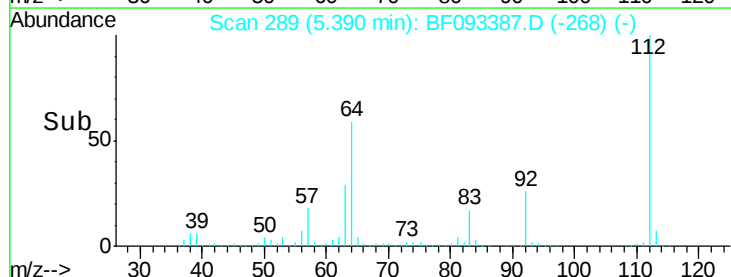
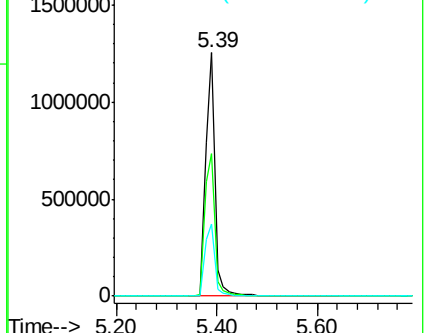
63 29.4 23.8 35.6

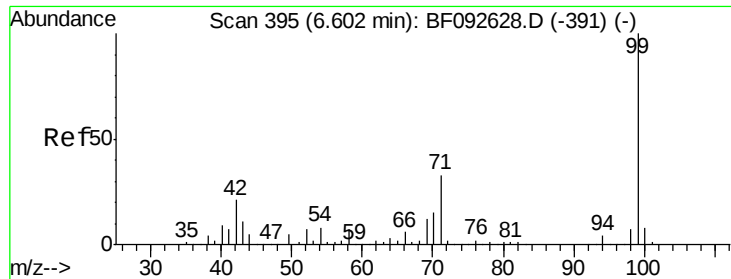


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 137.05 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.06 min

Lab File: BF093387.D

Acq: 4 Mar 2017 6:11

Instrument :

BNA_F

ClientSampleId :

PB97311TB

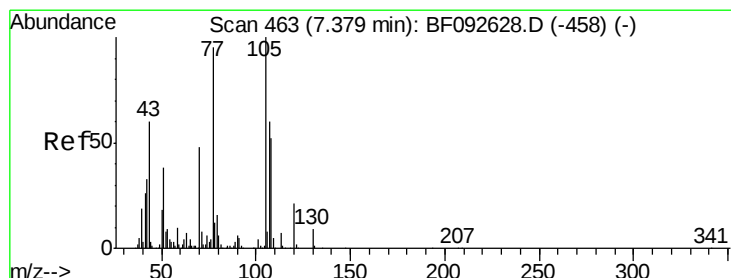
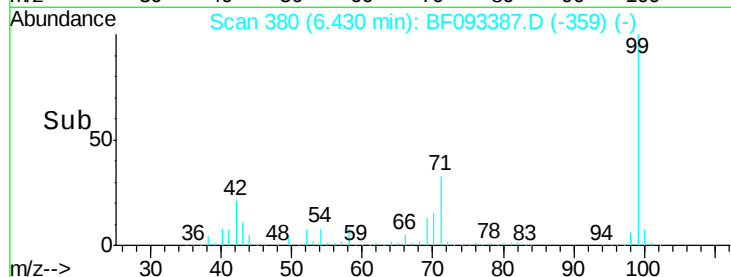
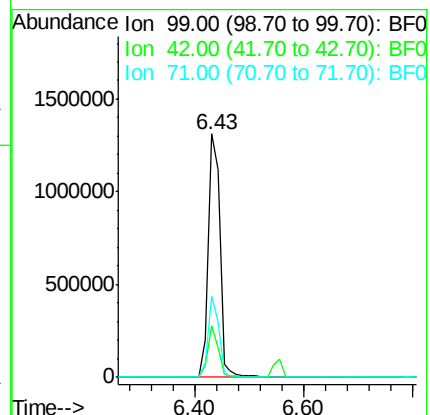
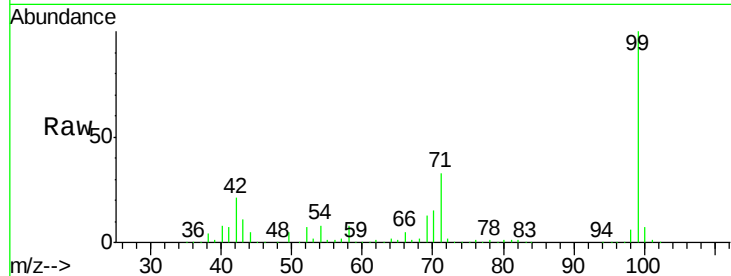
Tgt Ion: 99 Resp: 1937860

Ion Ratio Lower Upper

99 100

42 21.3 15.6 23.4

71 33.2 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.58 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.08 min

Lab File: BF093387.D

Acq: 4 Mar 2017 6:11

Tgt Ion: 70 Resp: 158216

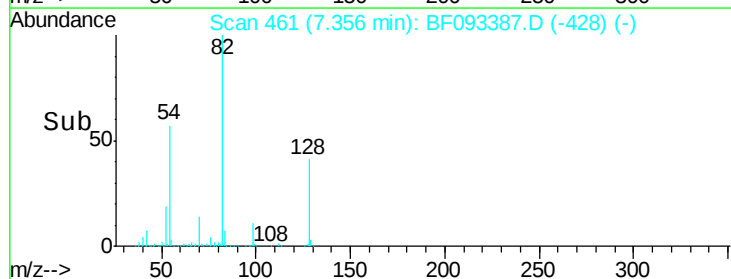
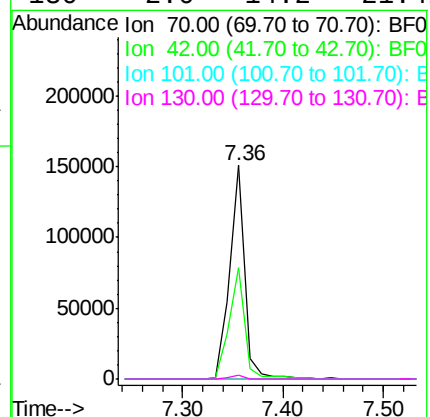
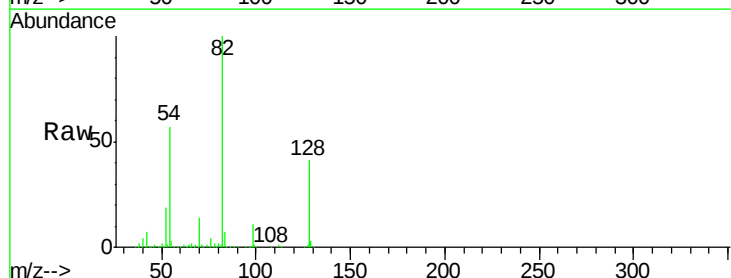
Ion Ratio Lower Upper

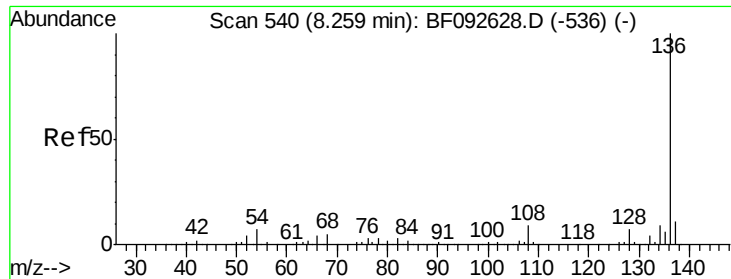
70 100

42 52.0 49.4 74.0

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

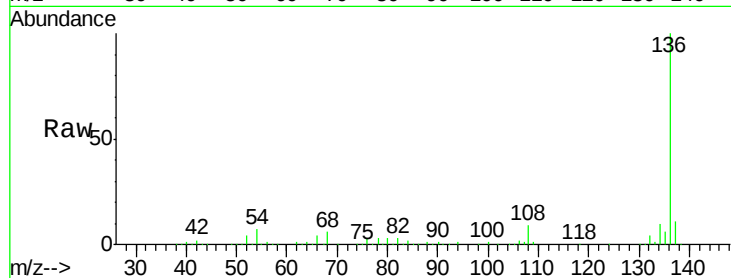




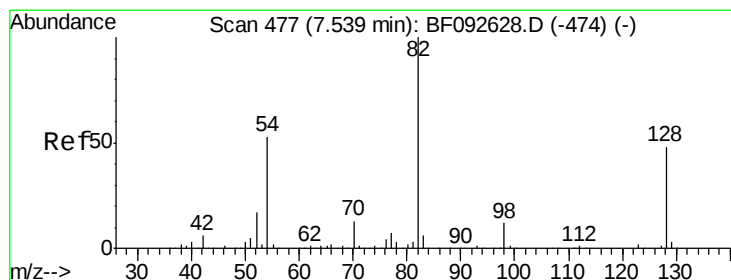
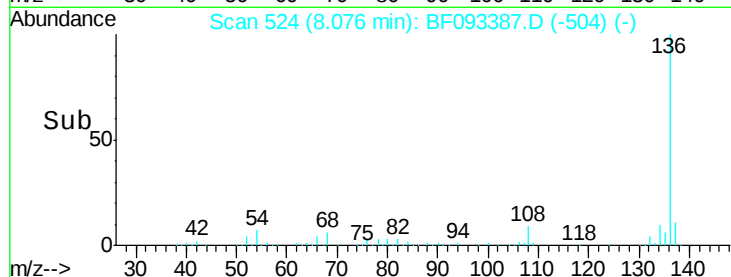
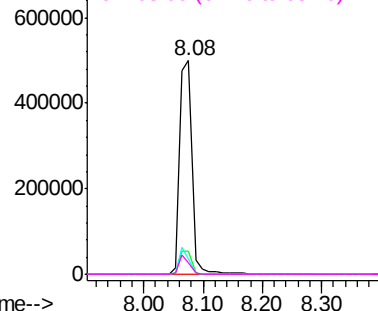
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.07 min
Lab File: BF093387.D
Acq: 4 Mar 2017 6:11

Instrument :
BNA_F
ClientSampleId :
PB97311TB

Tgt Ion:	136	Resp:	732236
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.5	4.5	6.7#
68	5.6	3.6	5.4#

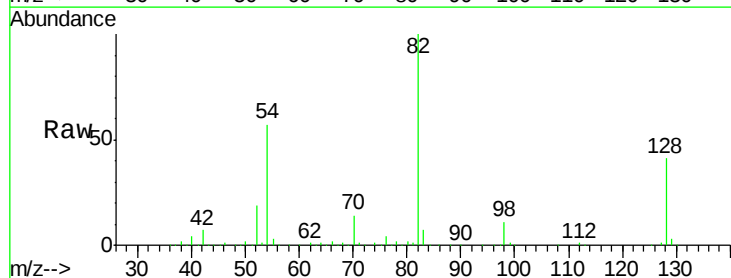


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

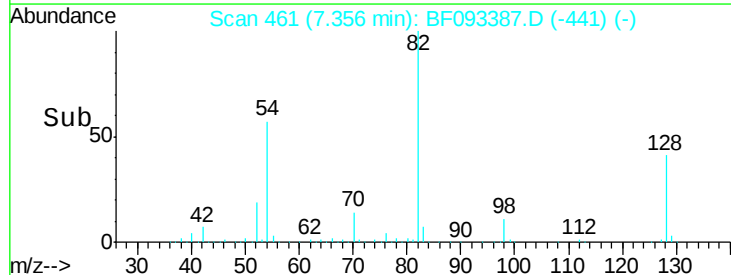
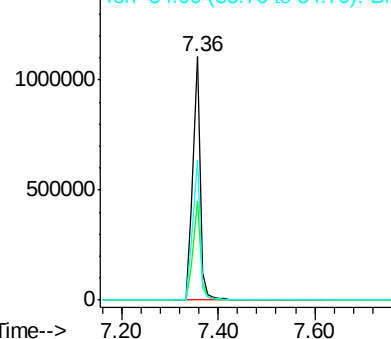


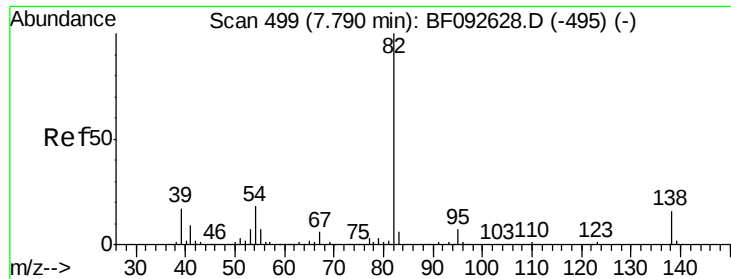
#23
Nitrobenzene-d5
Concen: 90.04 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.07 min
Lab File: BF093387.D
Acq: 4 Mar 2017 6:11

Tgt Ion:	82	Resp:	1183897
Ion	Ratio	Lower	Upper
82	100		
128	40.6	34.6	52.0
54	57.4	39.5	59.3



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: 36.87 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.33 min

Lab File: BF093387.D

Acq: 4 Mar 2017 6:11

Instrument :

BNA_F

ClientSampleId :

PB97311TB

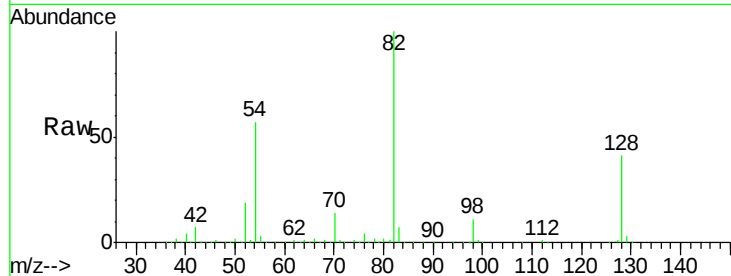
Tgt Ion: 82 Resp: 903408

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

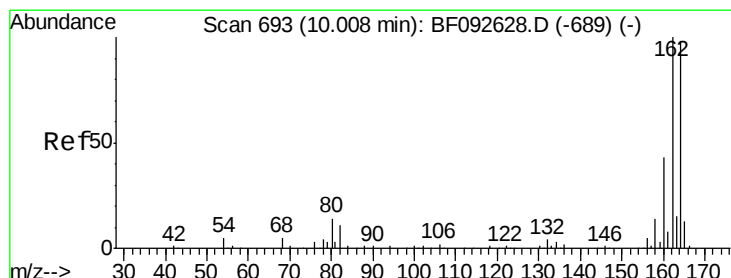
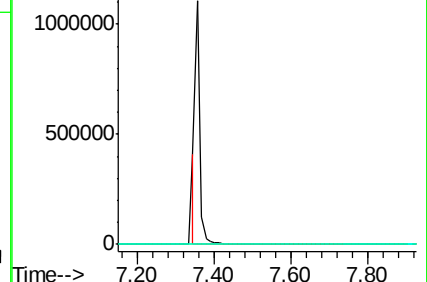
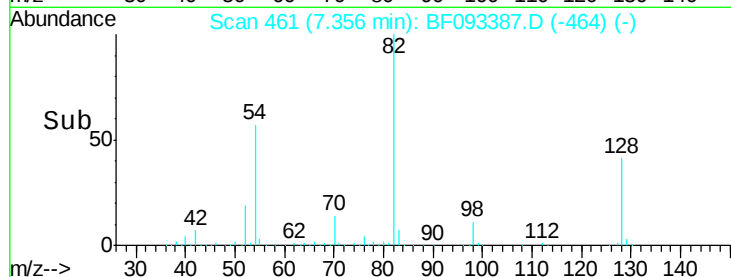
138 0.0 14.6 22.0#



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: 9.82 min Scan# 677

Delta R.T. -0.07 min

Lab File: BF093387.D

Acq: 4 Mar 2017 6:11

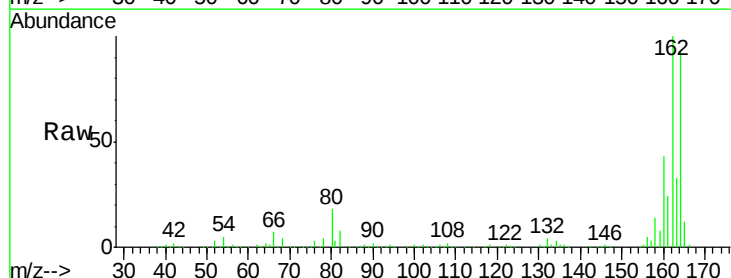
Tgt Ion: 164 Resp: 333130

Ion Ratio Lower Upper

164 100

162 107.3 80.2 120.2

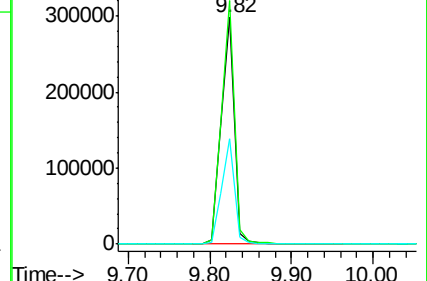
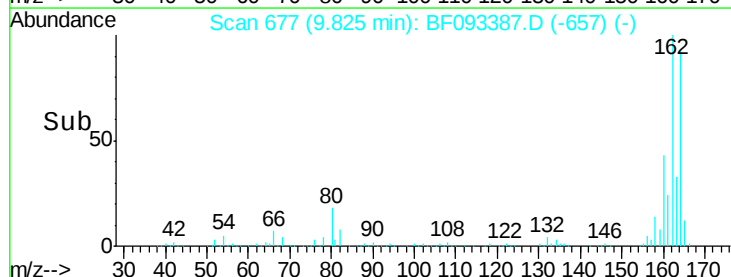
160 46.3 36.9 55.3

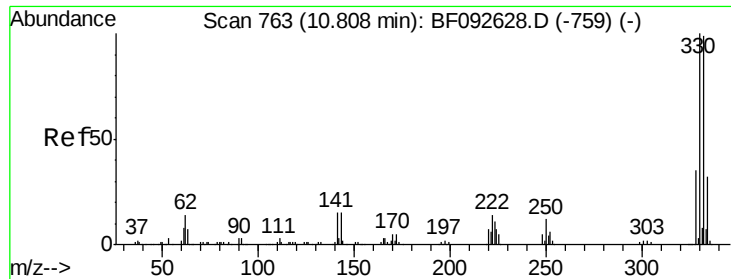


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

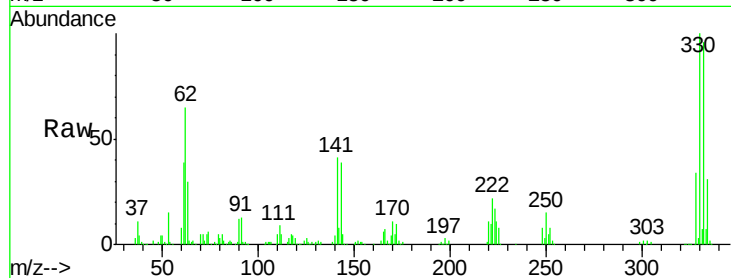




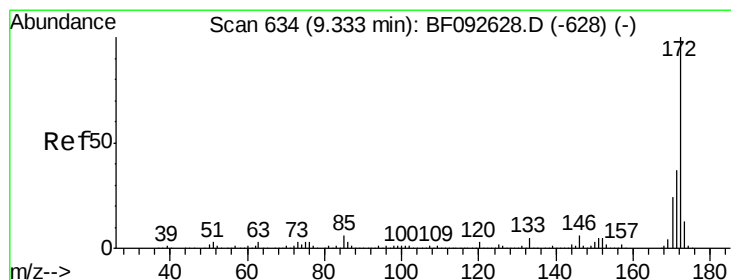
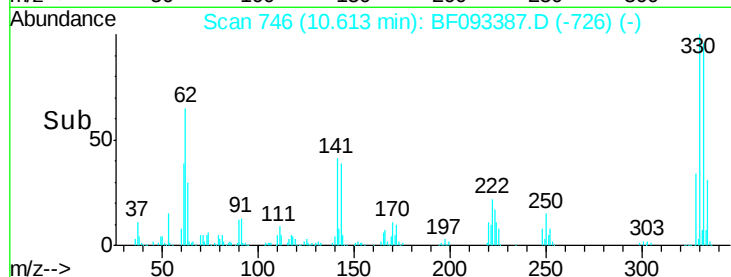
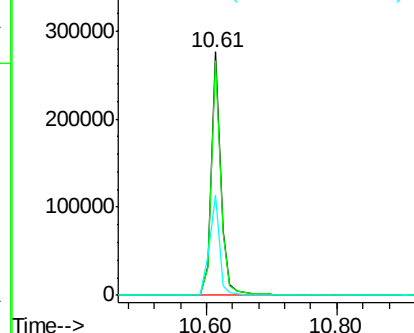
#41
 2,4,6-Tribromophenol
 Concen: 117.41 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.07 min
 Lab File: BF093387.D
 Acq: 4 Mar 2017 6:11

Instrument :
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 PB97311TB

Tgt Ion:330 Resp: 282885
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.4 116.2
 141 43.1 34.1 51.1

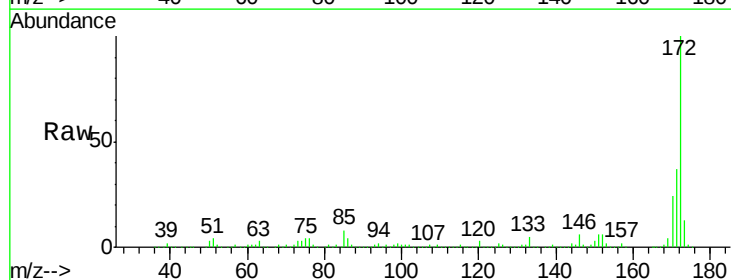


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

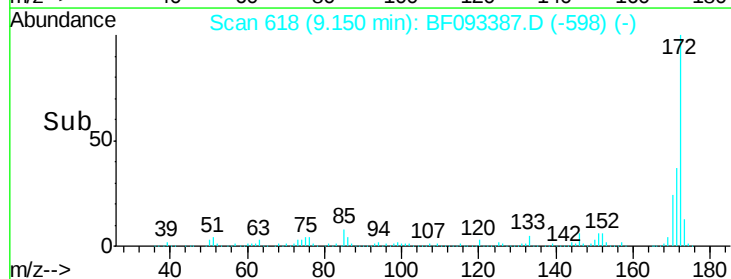
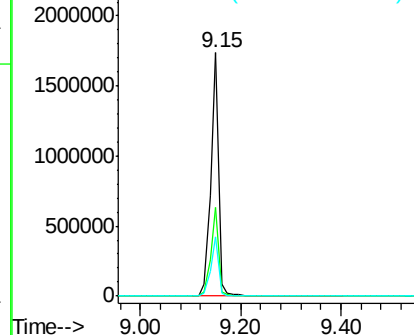


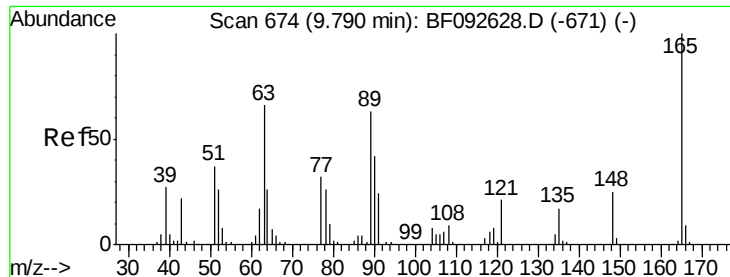
#44
 2-Fluorobiphenyl
 Concen: 100.79 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.07 min
 Lab File: BF093387.D
 Acq: 4 Mar 2017 6:11

Tgt Ion:172 Resp: 1853410
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 24.4 20.2 30.4



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

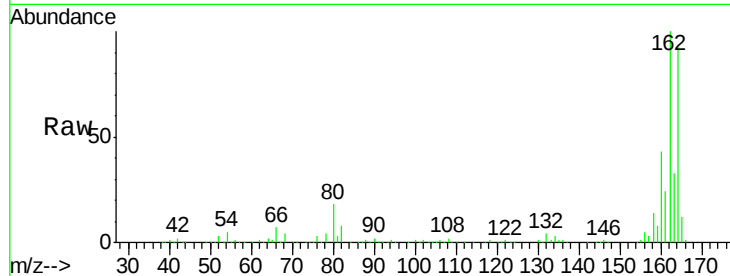




#50
 2,6-Dinitrotoluene
 Concen: 8.69 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.14 min
 Lab File: BF093387.D
 Acq: 4 Mar 2017 6:11

Instrument :
 BNA_F
 ClientSampleId :
 PB97311TB

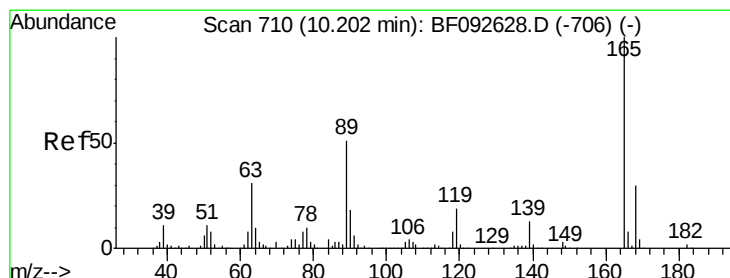
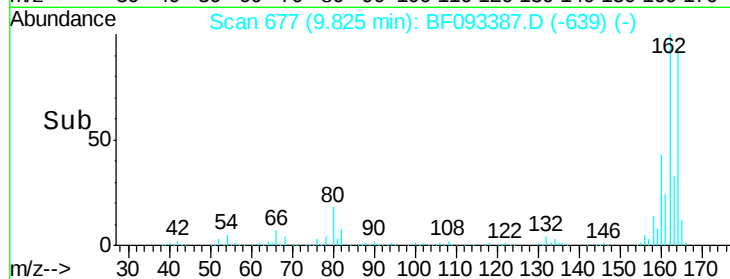
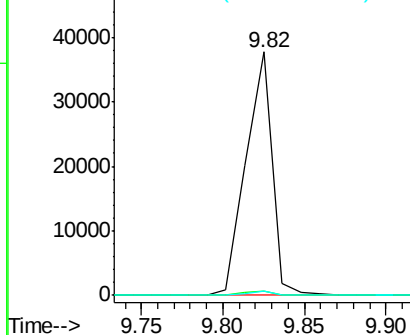
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.2	54.4#
89	1.5	40.2	60.4#



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: 9.82 min Scan# 677
 Delta R.T. -0.26 min
 Lab File: BF093387.D
 Acq: 4 Mar 2017 6:11

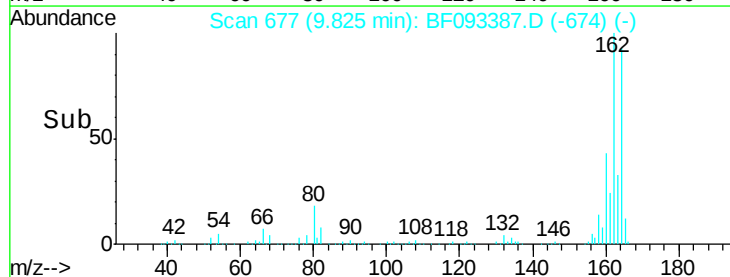
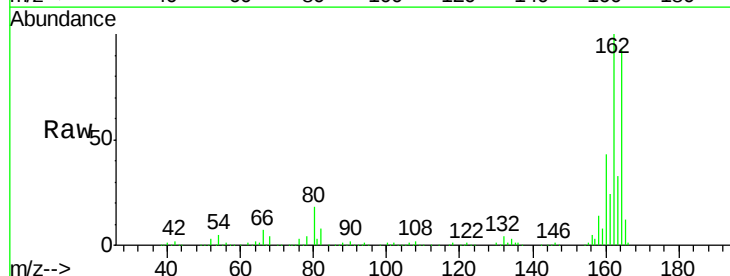
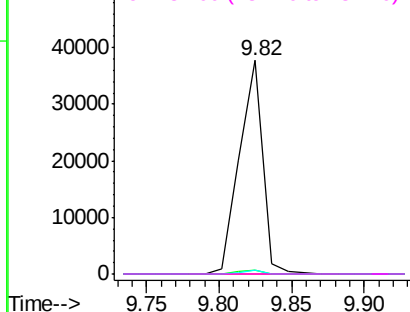
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.2	60.4#
89	1.5	62.5	93.7#
182	0.0	1.8	2.8#

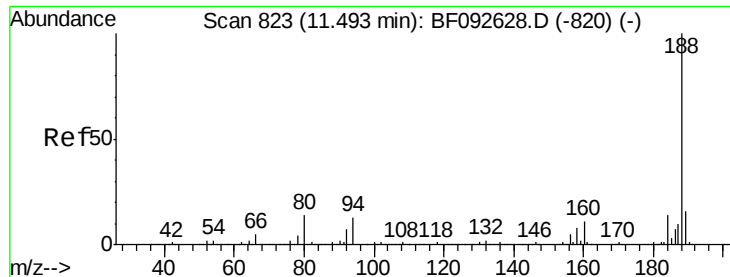
Abundance Ion 165.00 (164.70 to 165.70): E

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

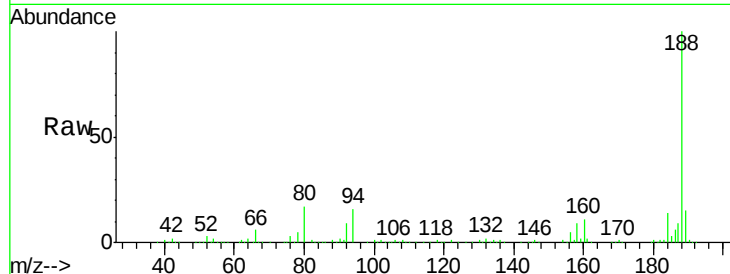




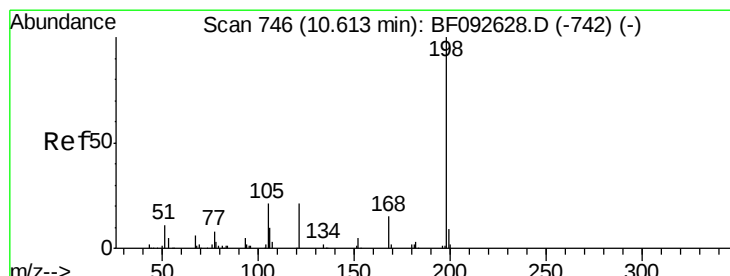
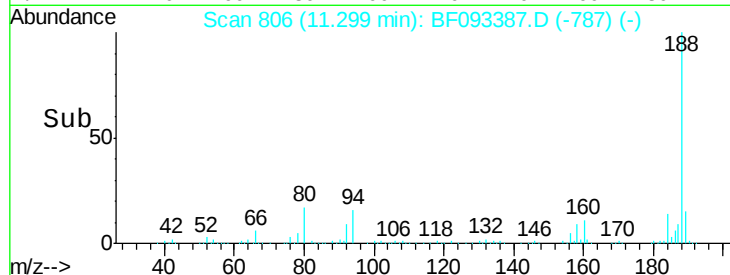
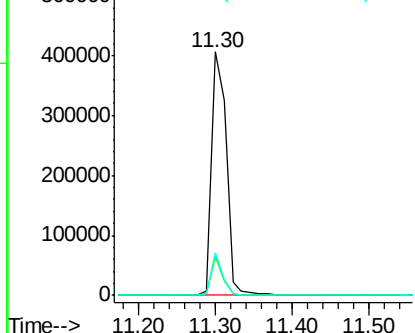
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.08 min
 Lab File: BF093387.D
 Acq: 4 Mar 2017 6:11

Instrument :
 BNA_F
 ClientSampleId :
 PB97311TB

Tgt Ion:188 Resp: 536043
 Ion Ratio Lower Upper
 188 100
 94 16.2 10.0 15.0#
 80 17.4 11.2 16.8#

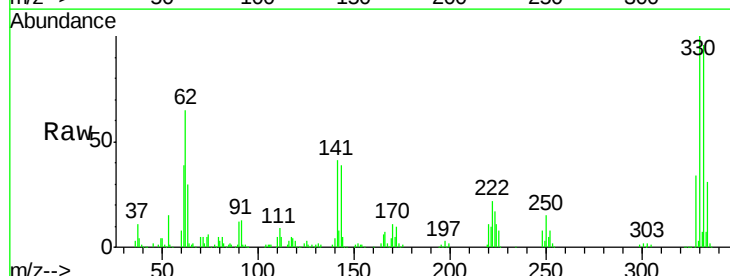


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

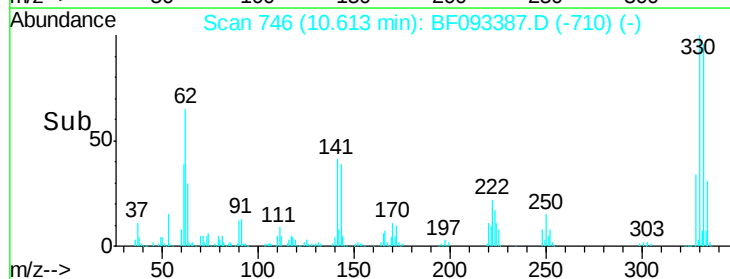
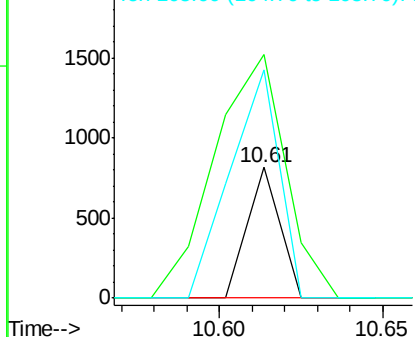


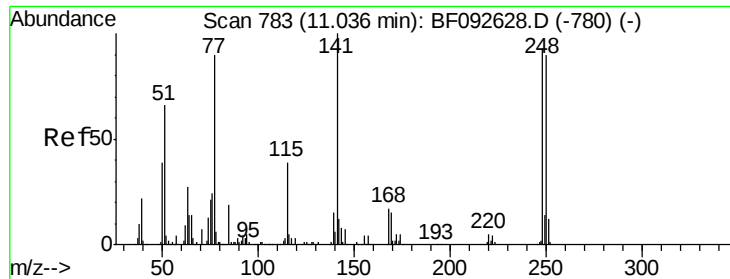
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.83 ng
 RT: 10.61 min Scan# 746
 Delta R.T. 0.11 min
 Lab File: BF093387.D
 Acq: 4 Mar 2017 6:11

Tgt Ion:198 Resp: 558
 Ion Ratio Lower Upper
 198 100
 51 186.9 6.7 46.7#
 105 175.1 16.6 56.6#



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

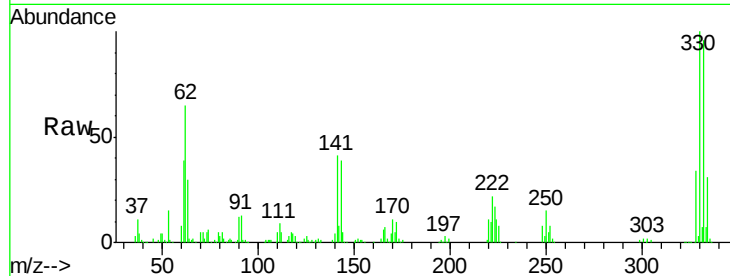




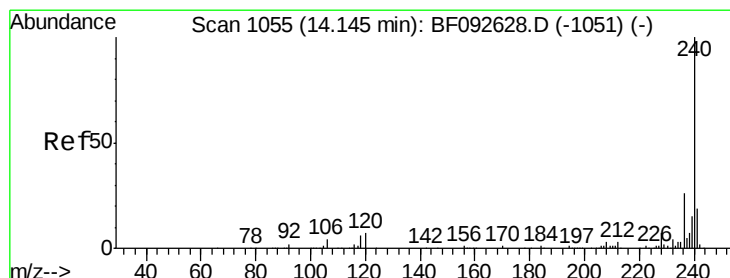
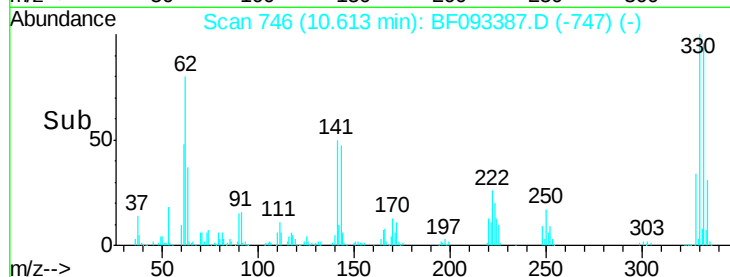
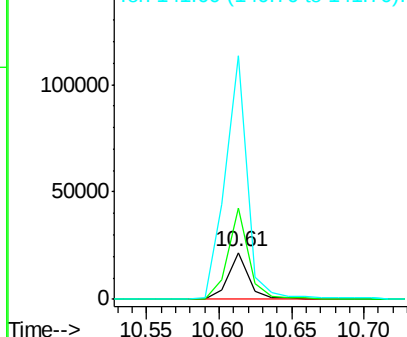
#66
4-Bromophenyl-phenylether
Concen: 3.90 ng
RT: 10.61 min Scan# 746
Delta R.T. -0.31 min
Lab File: BF093387.D
Acq: 4 Mar 2017 6:11

Instrument :
BNA_F
ClientSampleId :
PB97311TB

Tgt Ion:248 Resp: 21852
Ion Ratio Lower Upper
248 100
250 194.9 76.9 115.3#
141 517.9 68.2 102.4#

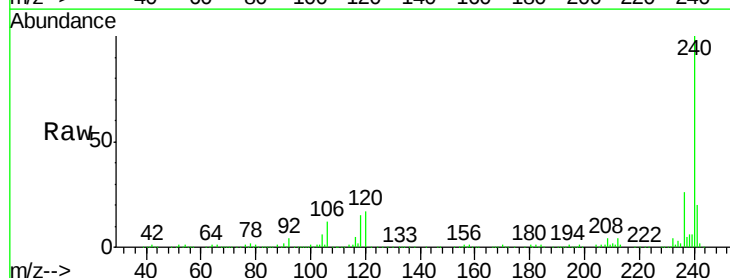


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

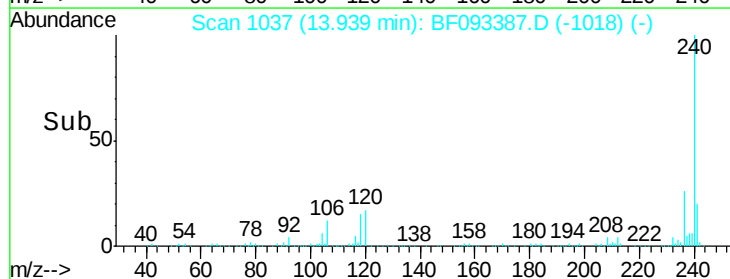
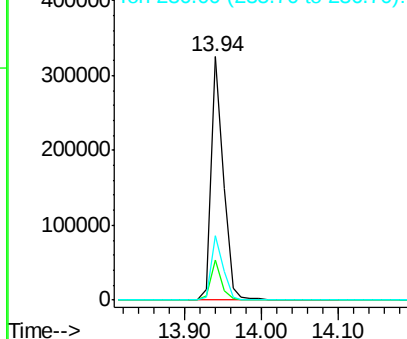


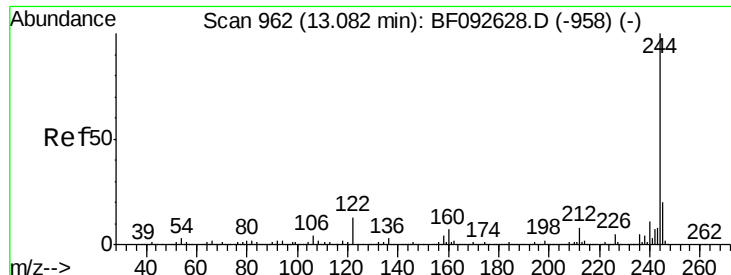
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.08 min
Lab File: BF093387.D
Acq: 4 Mar 2017 6:11

Tgt Ion:240 Resp: 354525
Ion Ratio Lower Upper
240 100
120 16.6 12.9 19.3
236 26.4 20.9 31.3



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

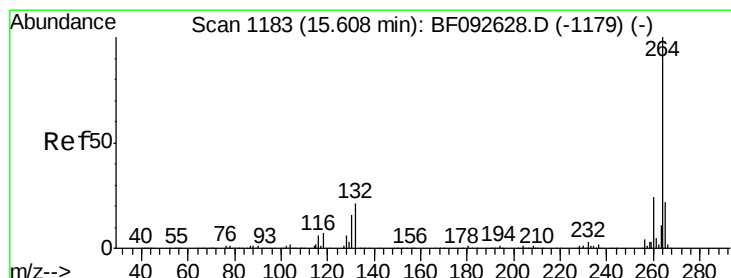
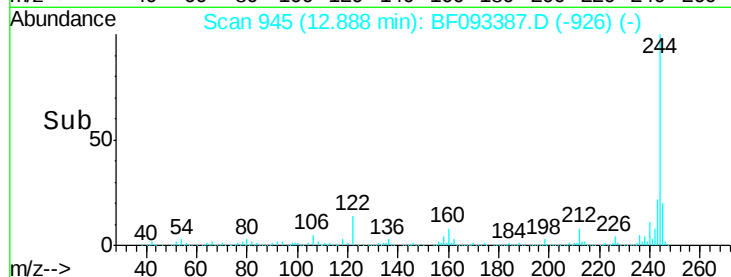
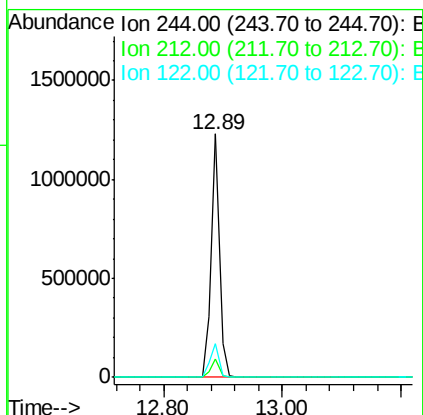
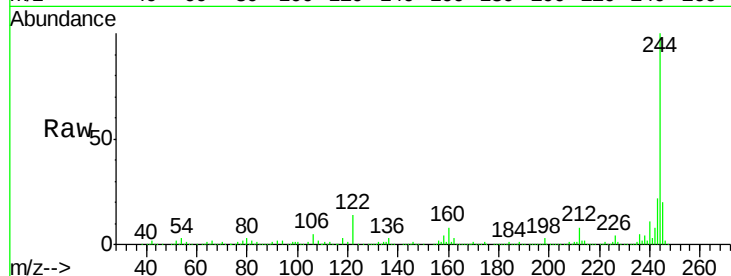




#78
 Terphenyl-d14
 Concen: 78.71 ng
 RT: 12.89 min Scan# 945
 Delta R.T. -0.08 min
 Lab File: BF093387.D
 Acq: 4 Mar 2017 6:11

Instrument :
 BNA_F
 ClientSampleId :
 PB97311TB

Tgt Ion:244 Resp: 1187562
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 13.9 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1161
 Delta R.T. -0.09 min
 Lab File: BF093387.D
 Acq: 4 Mar 2017 6:11

Tgt Ion:264 Resp: 314943
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.4 17.4 26.0

