

Data Path : Z:\HPCHEM1\BNA F\Data\BF022317\
 Data File : BF093101.D
 Acq On : 23 Feb 2017 11:07
 Operator : SJ/MA
 Sample : PB97103TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97103TB

Quant Time: Feb 23 12:33:40 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

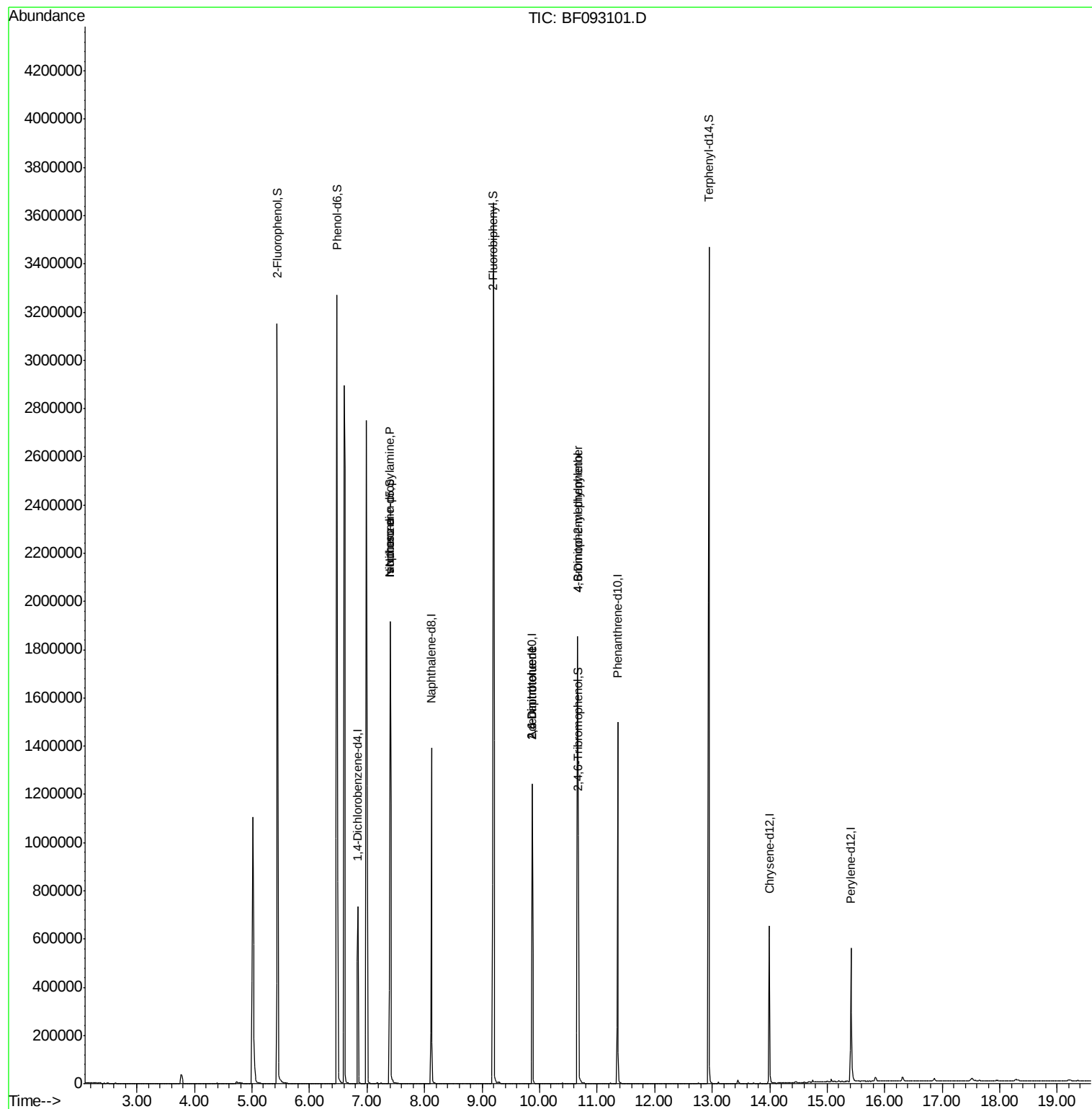
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	148227	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	610036	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	276358	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	523055	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	340127	20.00	ng	-0.02
86) Perylene-d12	15.41	264	254156	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1074978	124.42	ng	-0.01
7) Phenol-d6	6.48	99	1284441	115.54	ng	-0.01
23) Nitrobenzene-d5	7.40	82	842321	76.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	278841	139.50	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1448971	94.99	ng	-0.02
78) Terphenyl-d14	12.95	244	1265825	87.45	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	107143	15.14	ng	# 83
25) Isophorone	7.40	82	747408	36.61	ng	# 65
50) 2,6-Dinitrotoluene	9.87	165	36090	8.98	ng	# 31
56) 2,4-Dinitrotoluene	9.87	165	36091	6.74	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.66	198	495	2.82	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	19134	3.50	ng	# 1

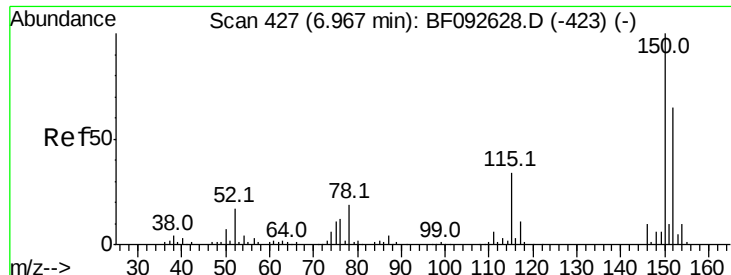
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093101.D

Acq: 23 Feb 2017 11:07

Instrument :

BNA_F

ClientSampleId :

PB97103TB

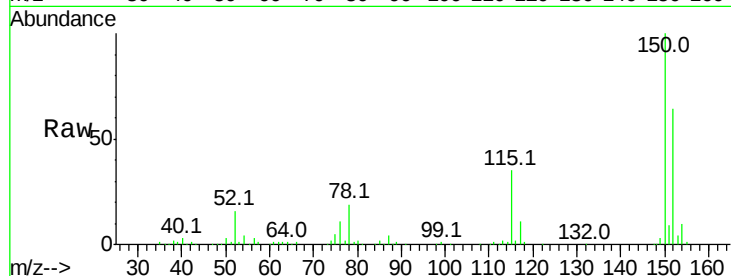
Tot Ion:152 Resp: 148227

Ion Ratio Lower Upper

152 100

150 155.2 124.9 187.3

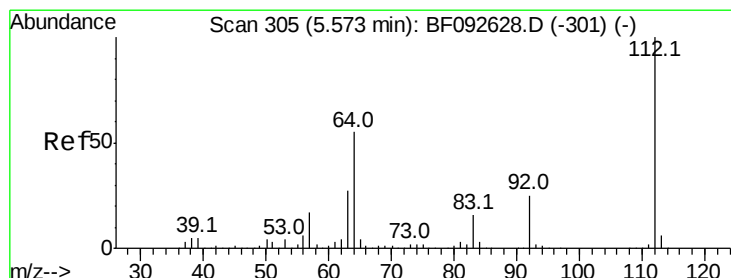
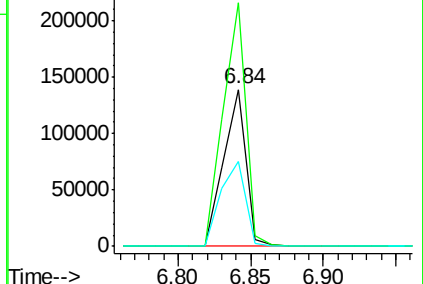
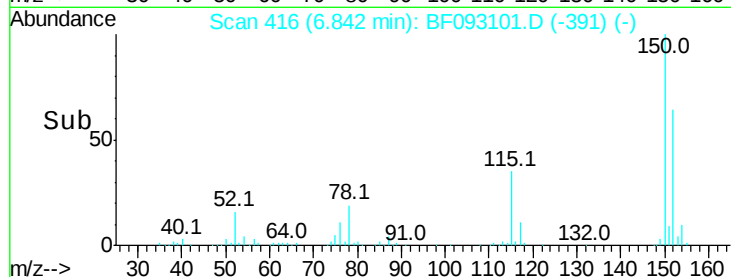
115 53.8 46.0 69.0



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: 124.42 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093101.D

Acq: 23 Feb 2017 11:07

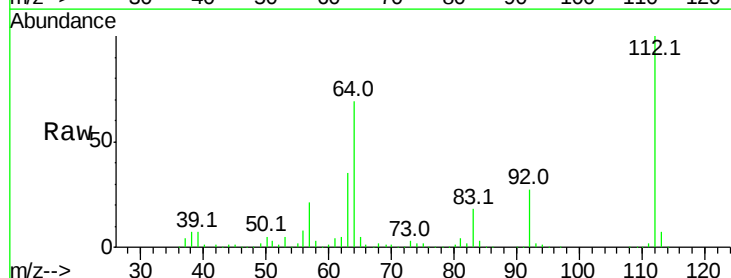
Tgt Ion:112 Resp: 1074978

Ion Ratio Lower Upper

112 100

64 69.1 46.1 69.1

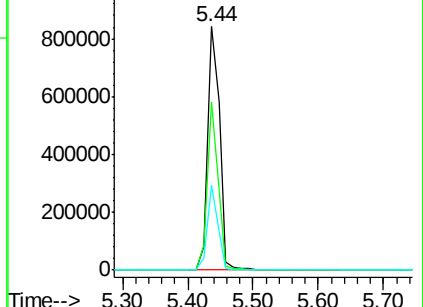
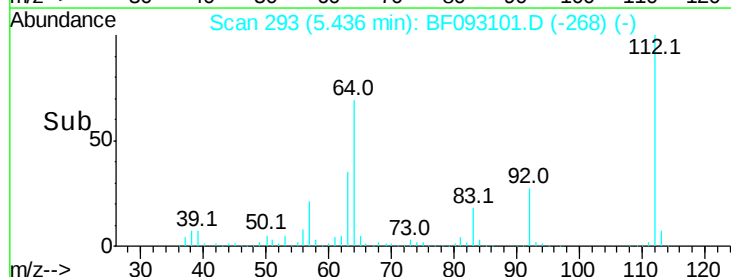
63 34.6 23.8 35.6

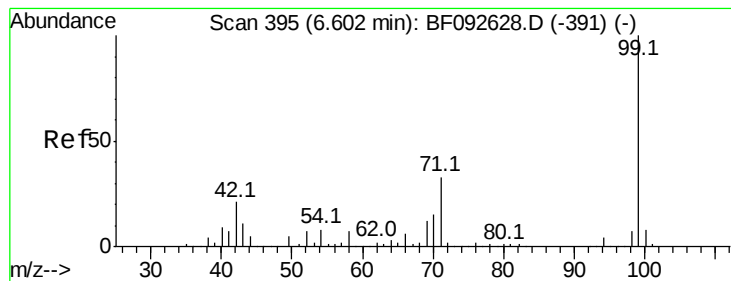


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.54 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093101.D

Acq: 23 Feb 2017 11:07

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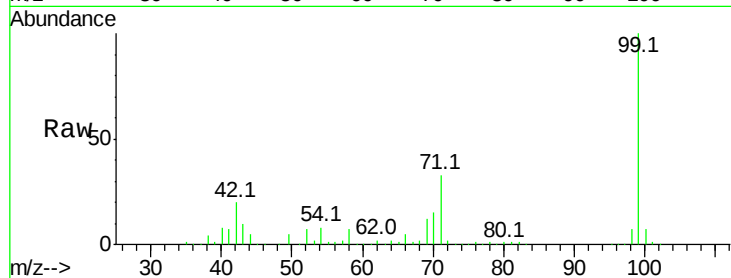
Tot Ion: 99 Resp: 1284441

Ion Ratio Lower Upper

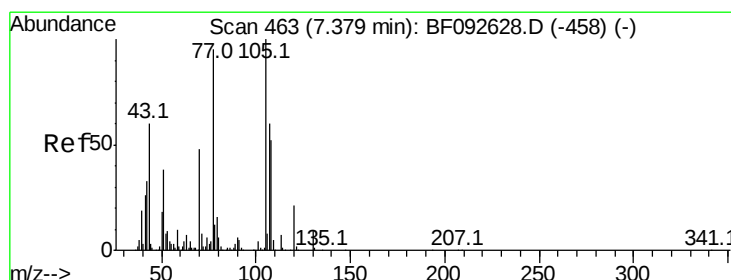
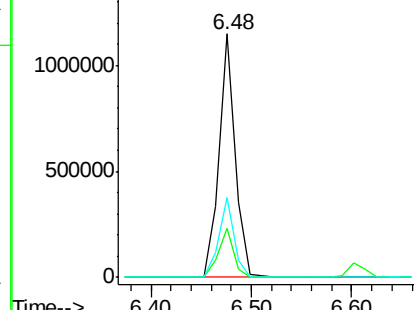
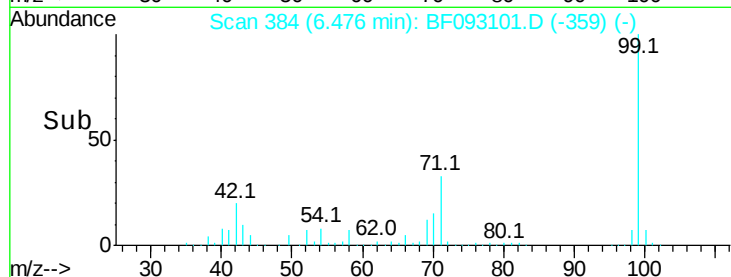
99 100

42 20.1 15.6 23.4

71 32.7 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.14 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF093101.D

Acq: 23 Feb 2017 11:07

Tgt Ion: 70 Resp: 107143

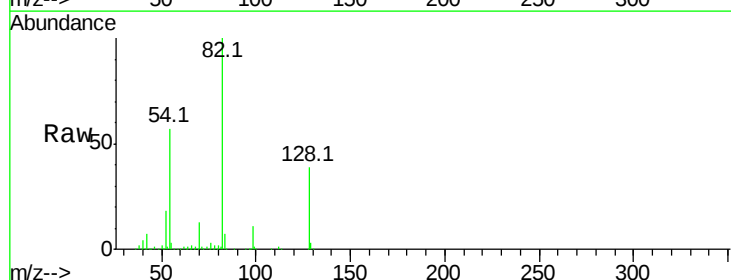
Ion Ratio Lower Upper

70 100

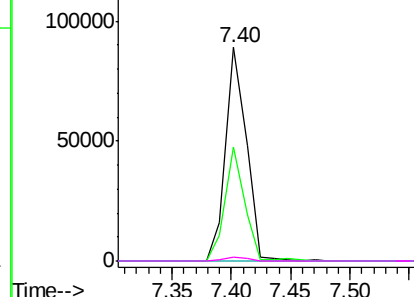
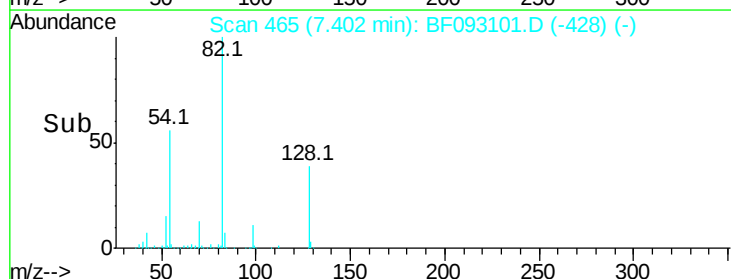
42 53.3 49.4 74.0

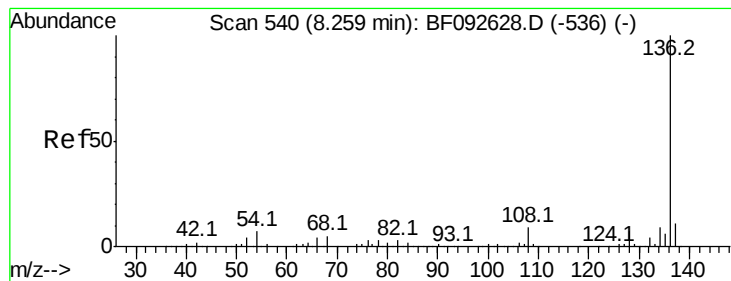
101 0.0 7.4 11.2#

130 1.9 14.2 21.4#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0

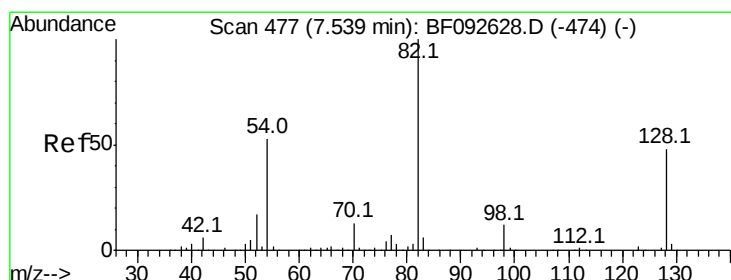
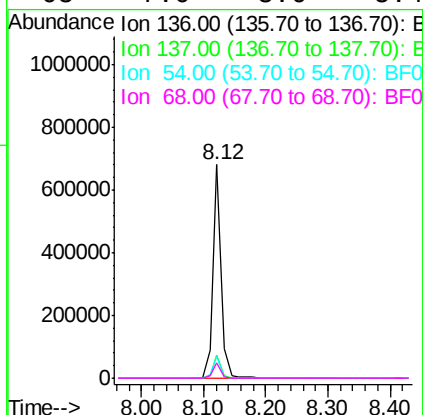
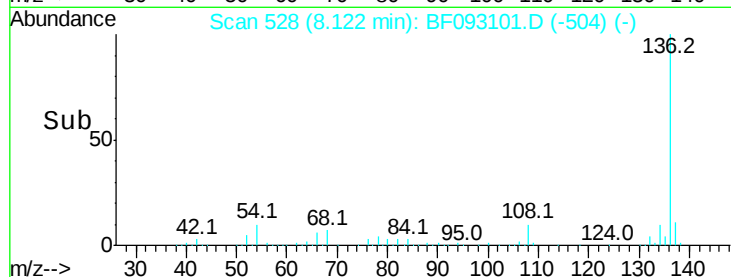
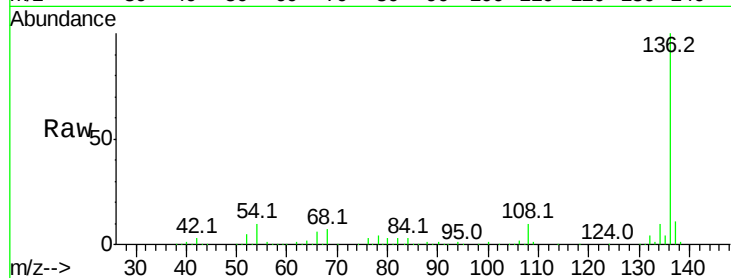




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093101.D
Acq: 23 Feb 2017 11:07

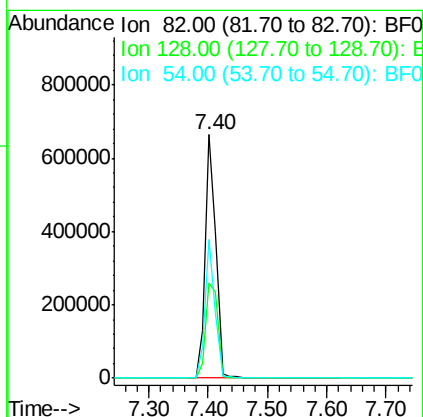
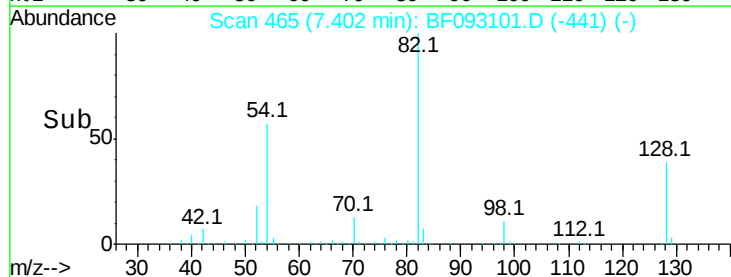
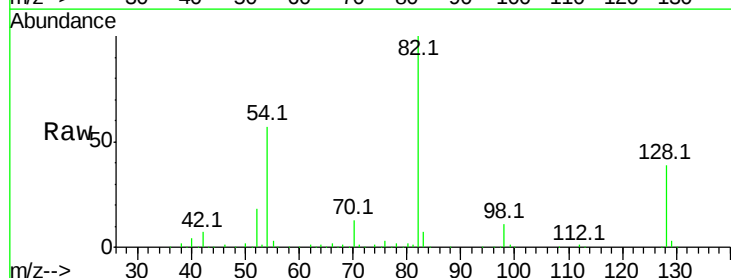
Instrument :
BNA_F
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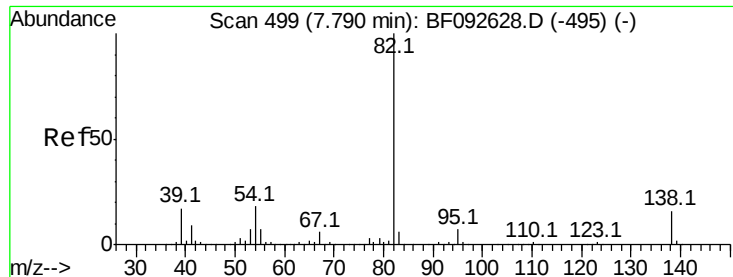
Tot Ion:	136	Resp:	610036
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	10.4	4.5	6.7#
68	7.0	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 76.89 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093101.D
Acq: 23 Feb 2017 11:07

Tgt Ion:	82	Resp:	842321
Ion	Ratio	Lower	Upper
82	100		
128	39.0	34.6	52.0
54	56.8	39.5	59.3





#25

Isophorone

Concen: 36.61 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.29 min

Lab File: BF093101.D

Acq: 23 Feb 2017 11:07

Instrument :

BNA_F

ClientSampleId :

PB97103TB

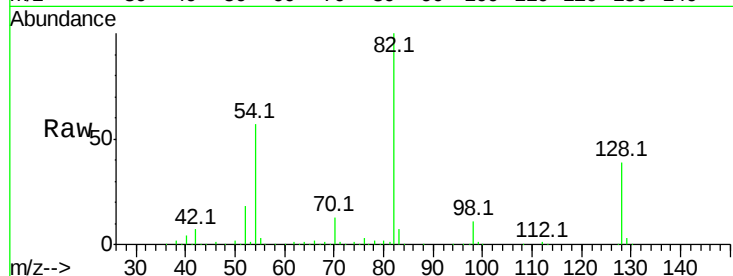
Tot Ion: 82 Resp: 747408

Ion Ratio Lower Upper

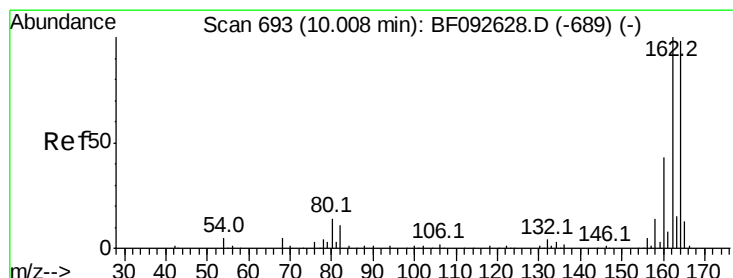
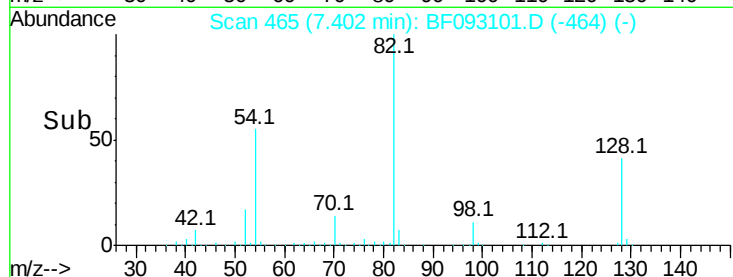
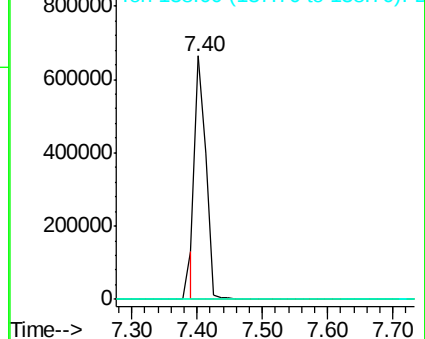
82 100

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: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF093101.D

Acq: 23 Feb 2017 11:07

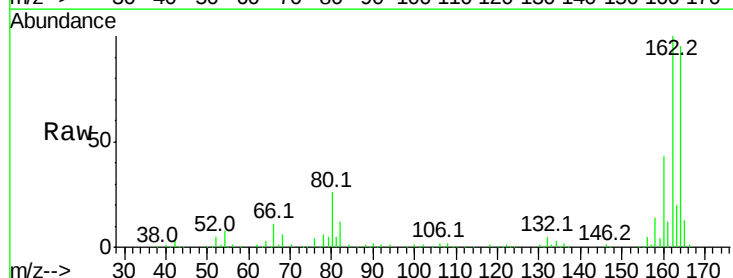
Tgt Ion: 164 Resp: 276358

Ion Ratio Lower Upper

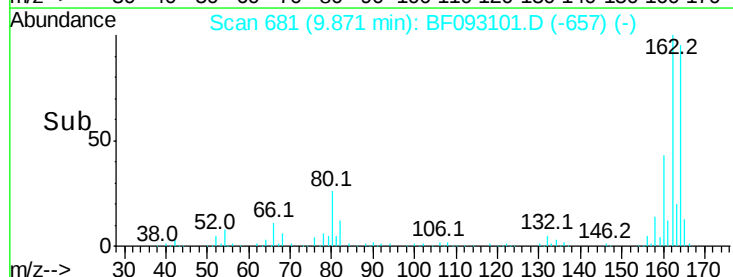
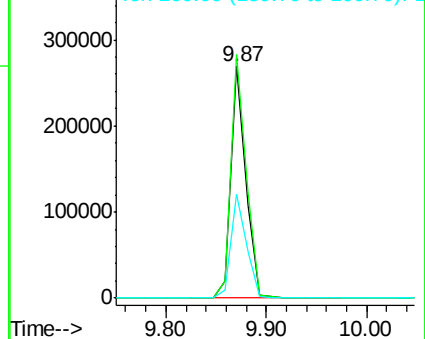
164 100

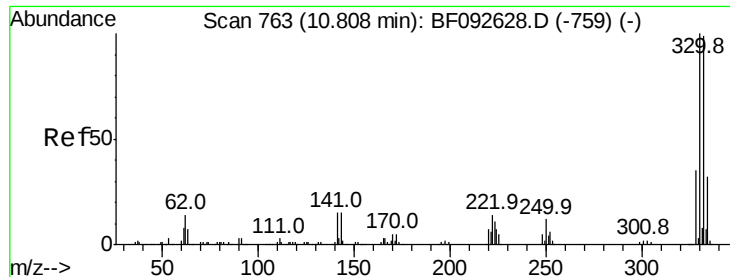
162 105.1 80.2 120.2

160 44.8 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

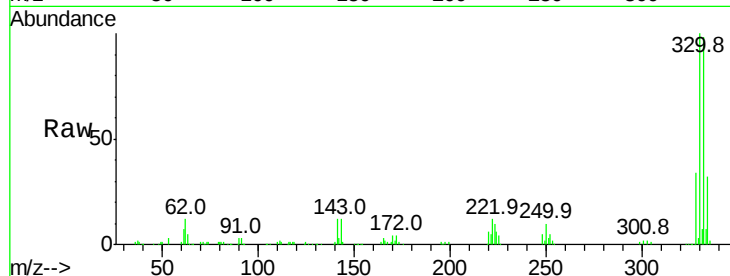




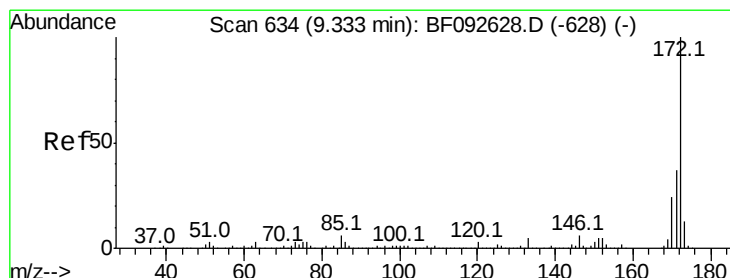
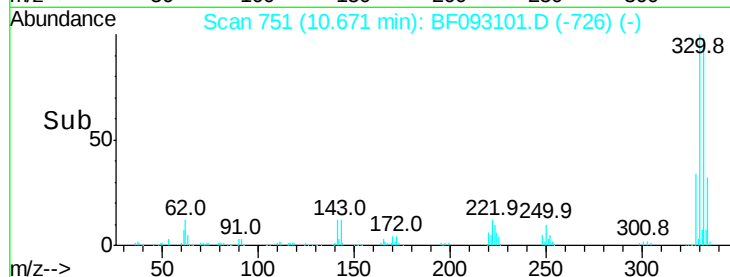
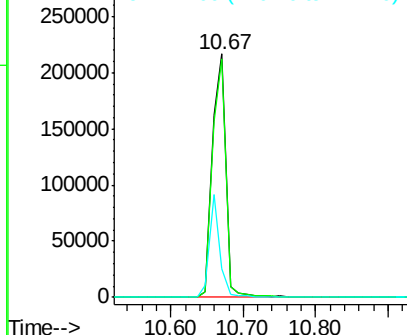
#41
 2,4,6-Tribromophenol
 Concen: 139.50 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093101.D
 Acq: 23 Feb 2017 11:07

Instrument :
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Tot Ion:330 Resp: 278841
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.4 116.2
 141 33.1 34.1 51.1#

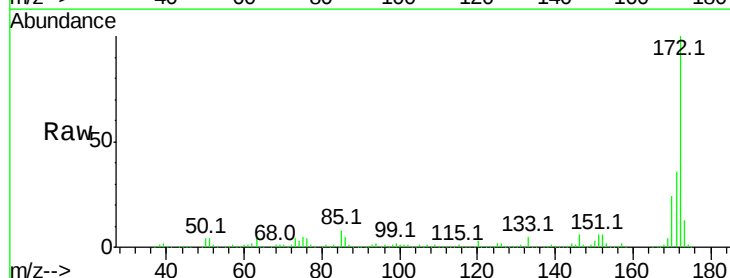


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

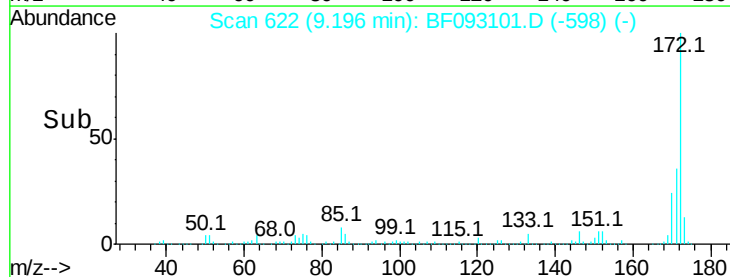
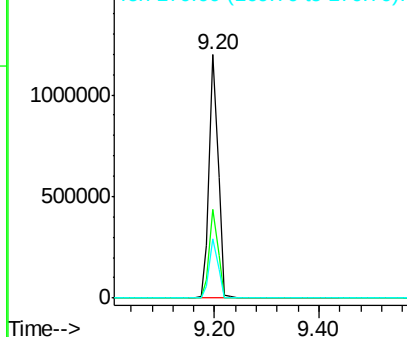


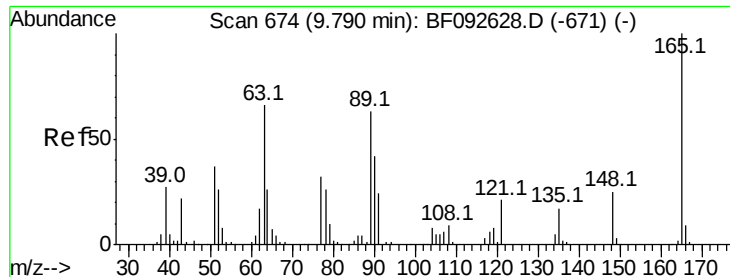
#44
 2-Fluorobiphenyl
 Concen: 94.99 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF093101.D
 Acq: 23 Feb 2017 11:07

Tgt Ion:172 Resp: 1448971
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.3 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

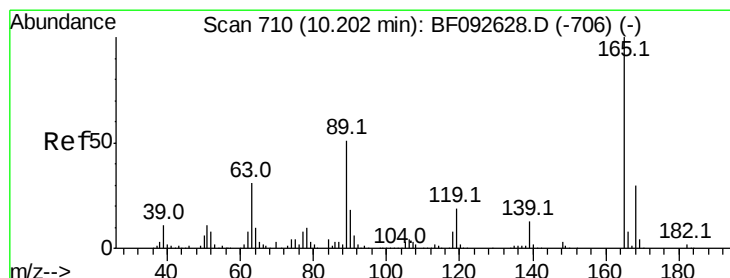
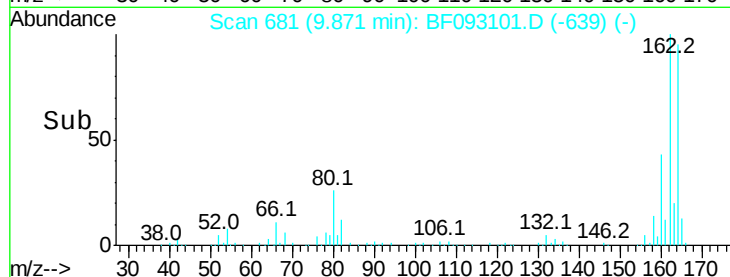
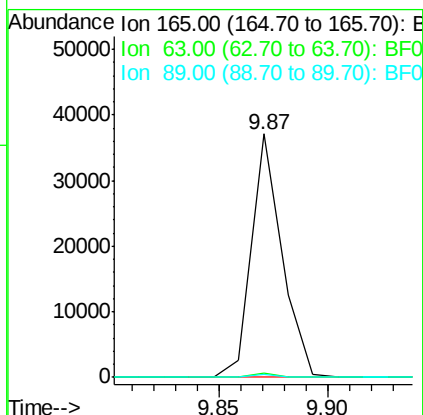
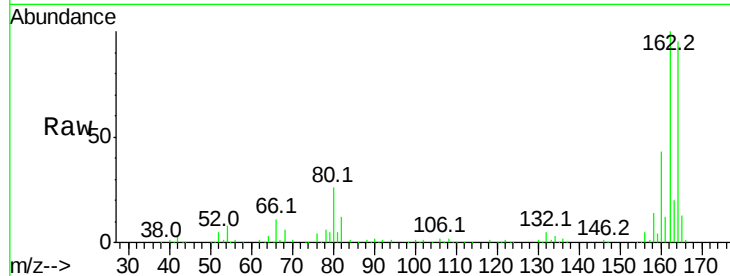




#50
 2,6-Dinitrotoluene
 Concen: 8.98 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.18 min
 Lab File: BF093101.D
 Acq: 23 Feb 2017 11:07

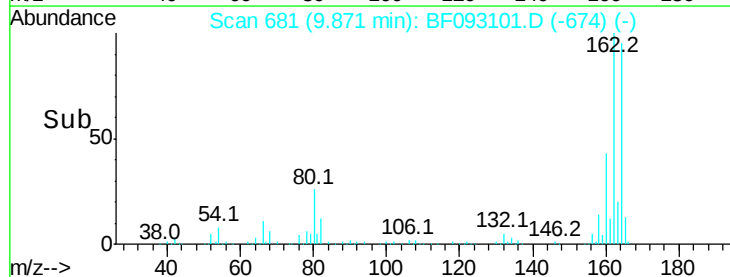
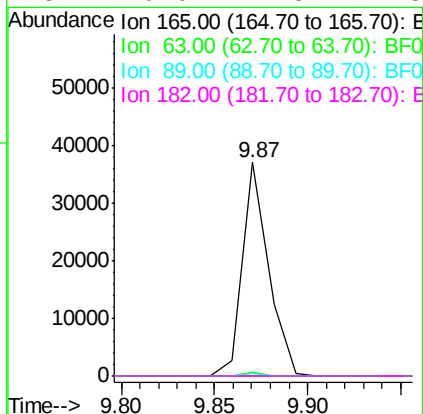
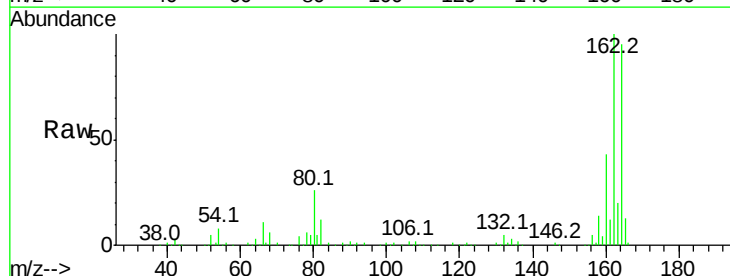
Instrument :
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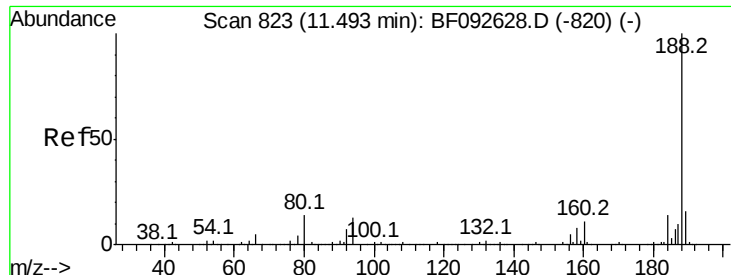
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.2	54.4#
89	1.3	40.2	60.4#



#56
 2,4-Dinitrotoluene
 Concen: 6.74 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.22 min
 Lab File: BF093101.D
 Acq: 23 Feb 2017 11:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.2	60.4#
89	1.3	62.5	93.7#
182	0.0	1.8	2.8#

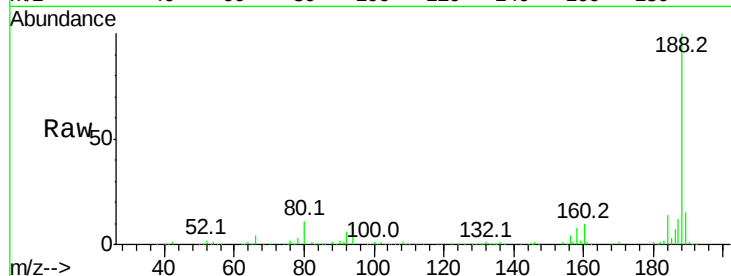




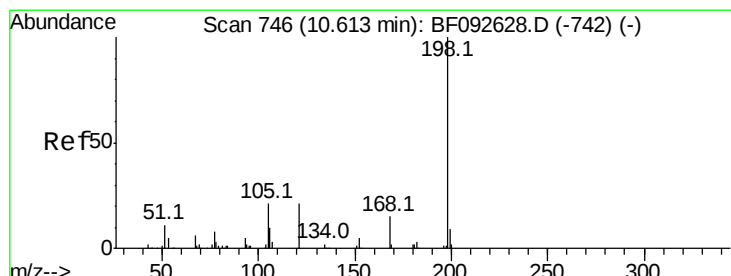
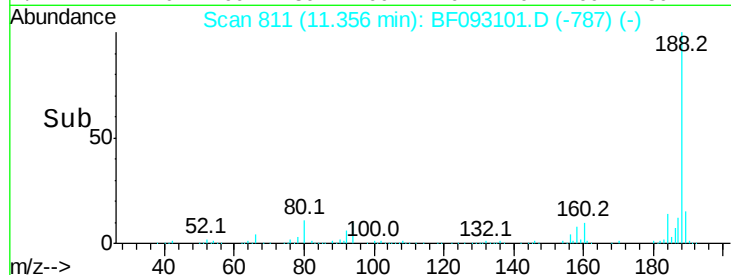
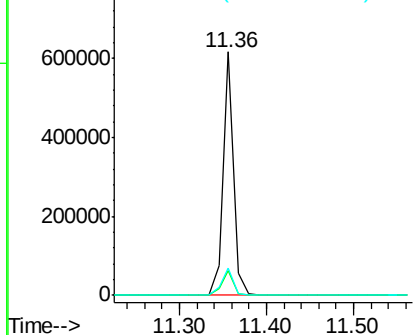
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF093101.D
 Acq: 23 Feb 2017 11:07

Instrument :
 BNA_F
 ClientSampleId :
 PB97103TB

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.2	10.0	15.0
80	11.4	11.2	16.8

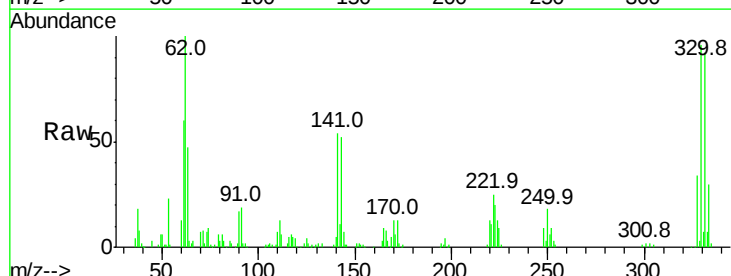


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

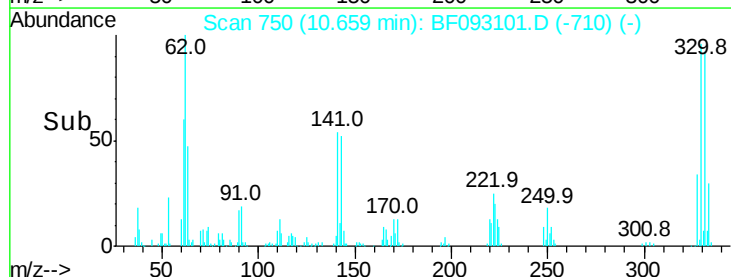
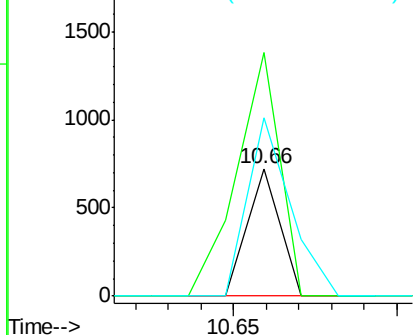


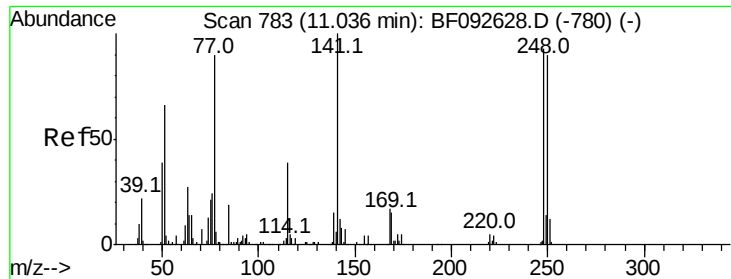
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.82 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.16 min
 Lab File: BF093101.D
 Acq: 23 Feb 2017 11:07

Tgt Ion	Ratio	Lower	Upper
198	100		
51	191.1	6.7	46.7#
105	139.6	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

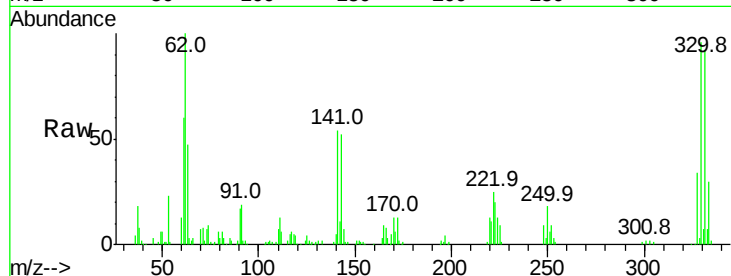




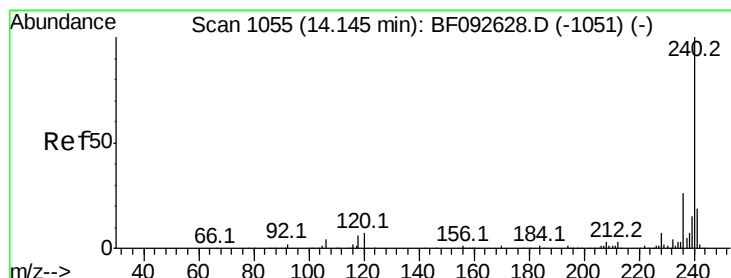
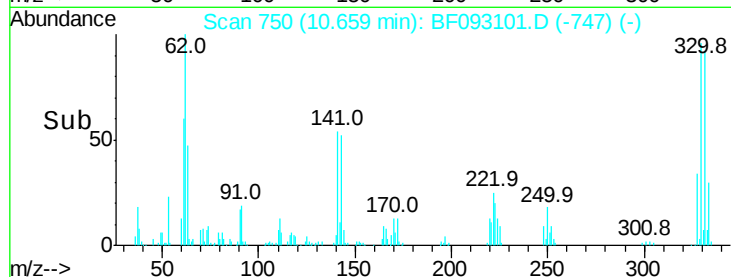
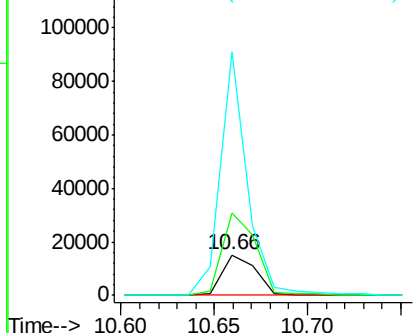
#66
 4-Bromophenyl-phenylether
 Concen: 3.50 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.26 min
 Lab File: BF093101.D
 Acq: 23 Feb 2017 11:07

Instrument :
 BNA_F
 ClientSampleId :
 PB97103TB

Tot Ion:248 Resp: 19134
 Ion Ratio Lower Upper
 248 100
 250 201.7 76.9 115.3#
 141 599.1 68.2 102.4#

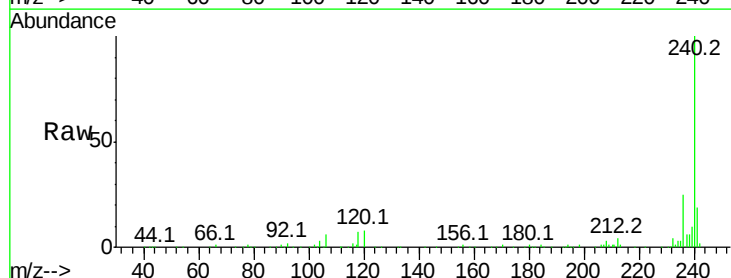


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

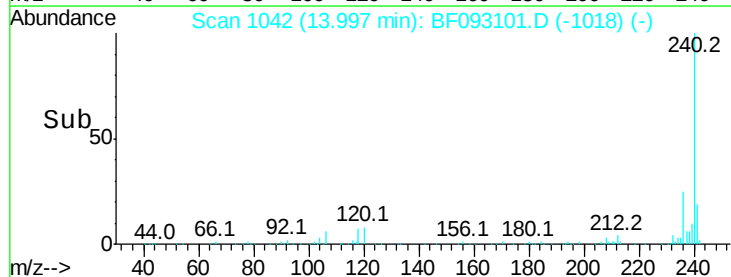
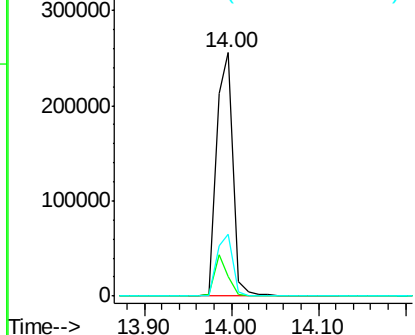


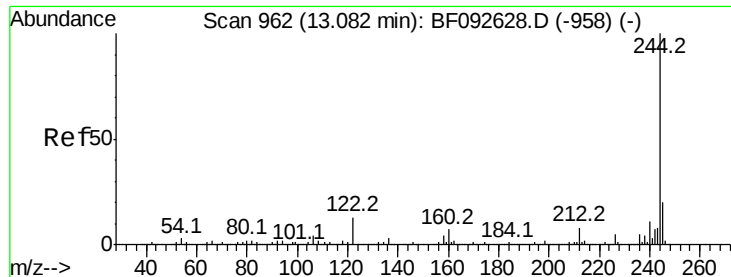
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.02 min
 Lab File: BF093101.D
 Acq: 23 Feb 2017 11:07

Tgt Ion:240 Resp: 340127
 Ion Ratio Lower Upper
 240 100
 120 8.2 12.9 19.3#
 236 25.2 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: 87.45 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093101.D

Acq: 23 Feb 2017 11:07

Instrument :

BNA_F

ClientSampleId :

PB97103TB

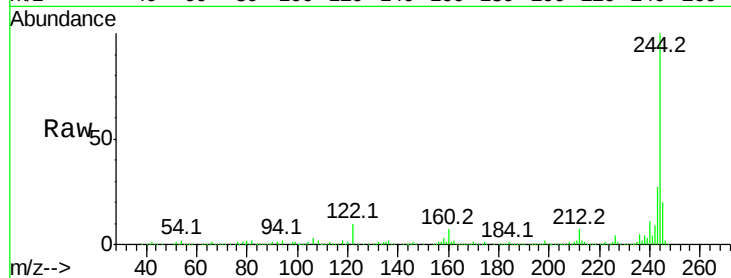
Tot Ion:244 Resp: 1265825

Ion Ratio Lower Upper

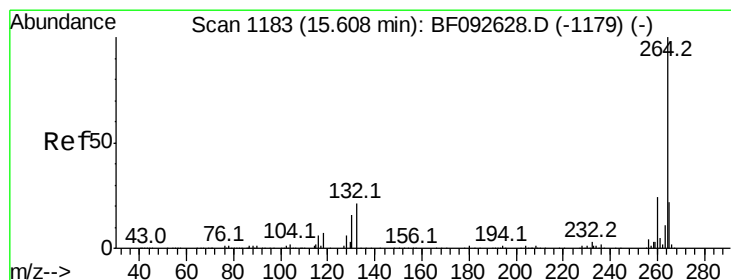
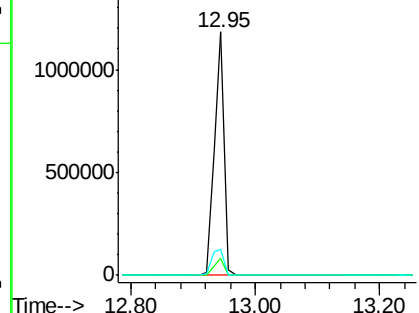
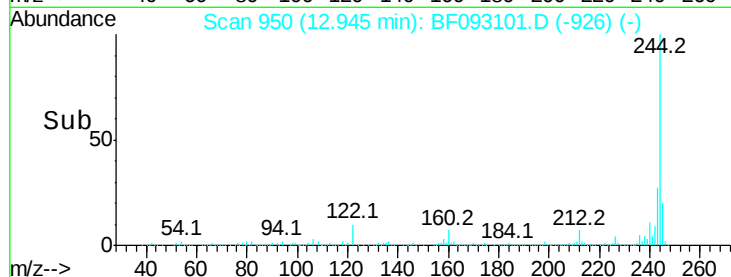
244 100

212 7.2 6.2 9.2

122 10.5 11.4 17.2#



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: 15.41 min Scan# 1166

Delta R.T. -0.03 min

Lab File: BF093101.D

Acq: 23 Feb 2017 11:07

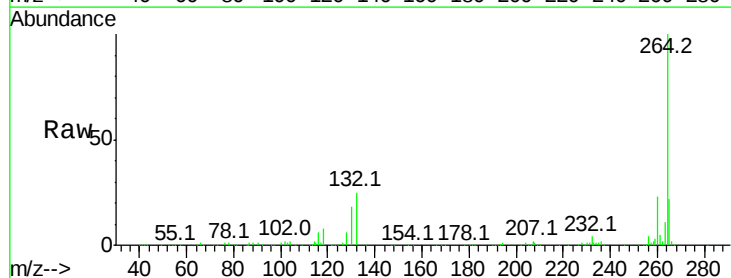
Tgt Ion:264 Resp: 254156

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 22.0 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

