

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022317\
 Data File : BF093138.D
 Acq On : 24 Feb 2017 8:49
 Operator : SJ/MA
 Sample : I1955-04
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 24 10:01:21 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

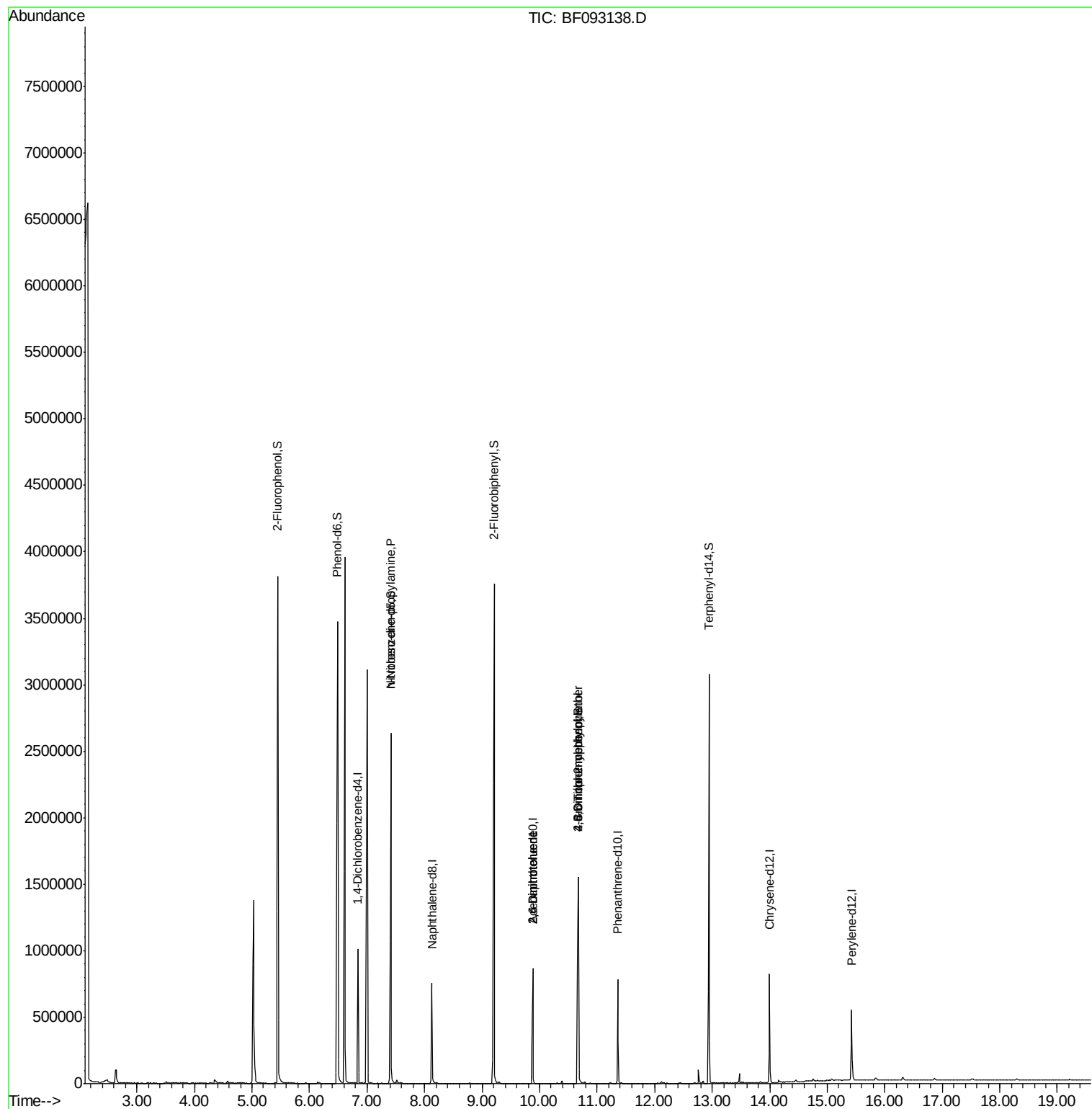
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	146889	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	507397	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	210264	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	314362	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	292897	20.00	ng	-0.02
86) Perylene-d12	15.43	264	239589	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1090931	127.42	ng	0.00
7) Phenol-d6	6.49	99	1398207	126.92	ng	0.00
23) Nitrobenzene-d5	7.41	82	916504	100.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	219098	144.07	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1501949	129.41	ng	-0.01
78) Terphenyl-d14	12.95	244	917653	73.62	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	121628	17.34	ng	# 79
50) 2,6-Dinitrotoluene	9.88	165	26076	8.53	ng	# 30
56) 2,4-Dinitrotoluene	9.88	165	26076	6.40	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.67	198	389	2.86	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	15648	4.76	ng	# 1

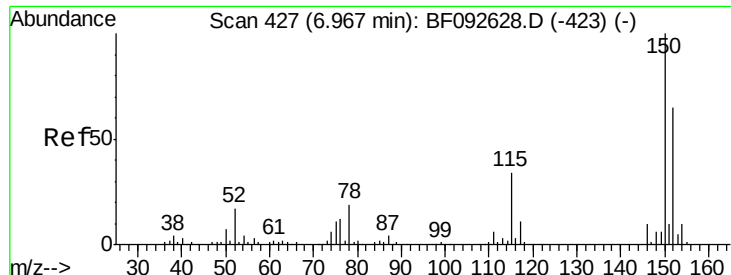
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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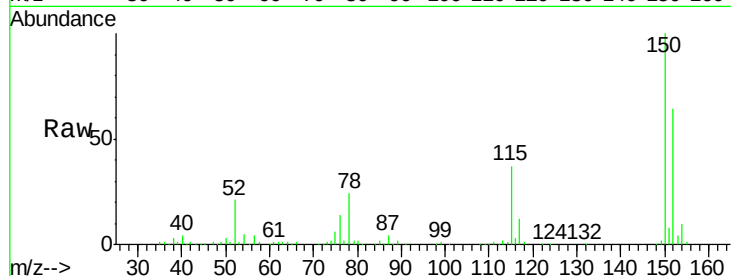


#1

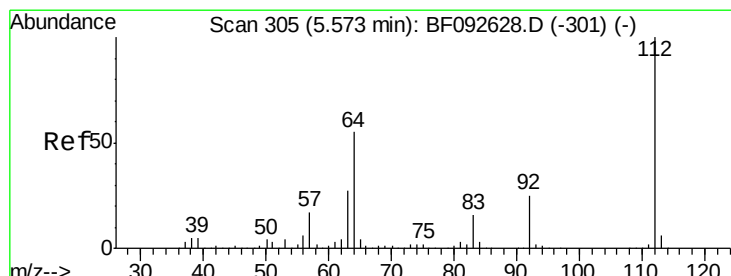
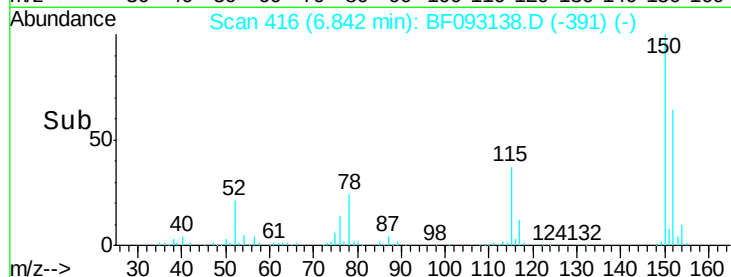
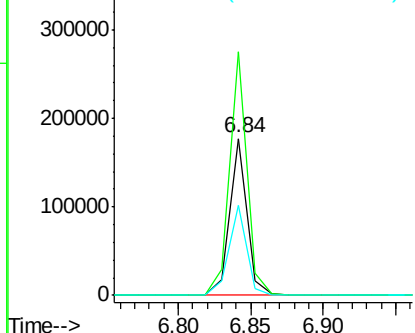
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF093138.D
Acq: 24 Feb 2017 8:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.9	187.3
115	57.2	46.0	69.0



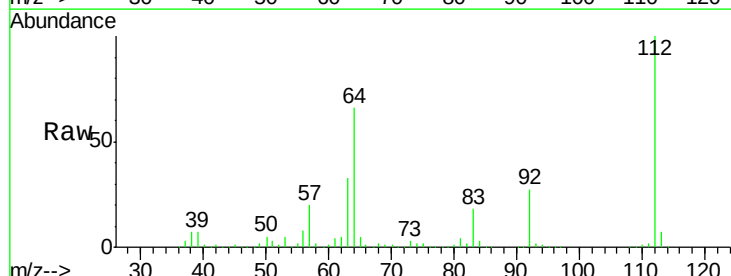
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



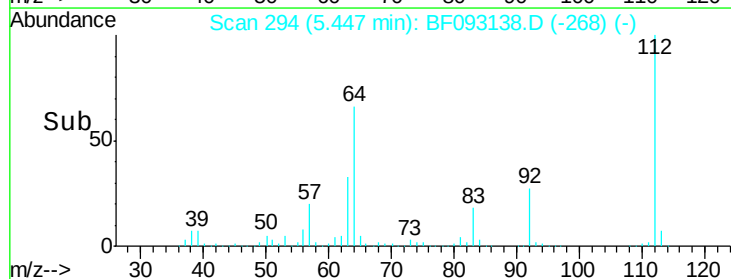
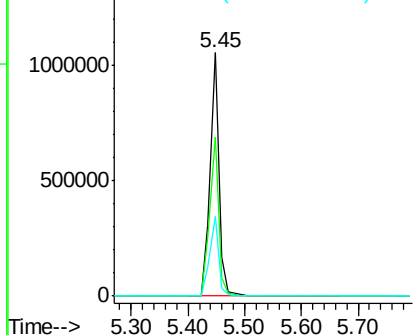
#5

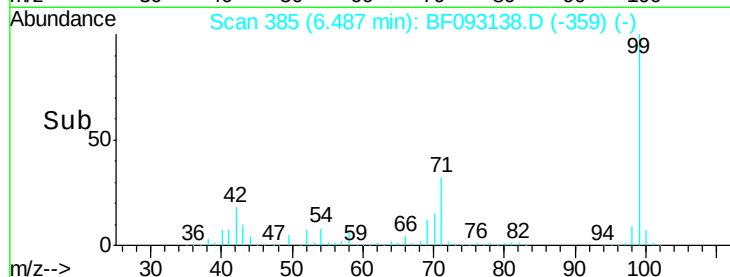
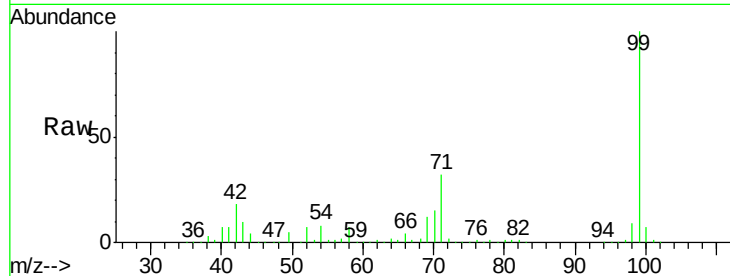
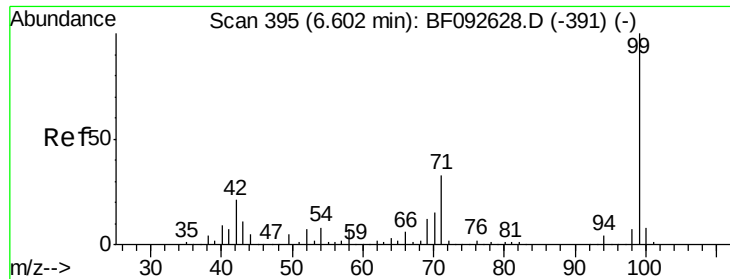
2-Fluorophenol
Concen: 127.42 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.00 min
Lab File: BF093138.D
Acq: 24 Feb 2017 8:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	46.1	69.1
63	32.7	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: 126.92 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093138.D

Acq: 24 Feb 2017 8:49

Instrument :

BNA_F

ClientSampleId :

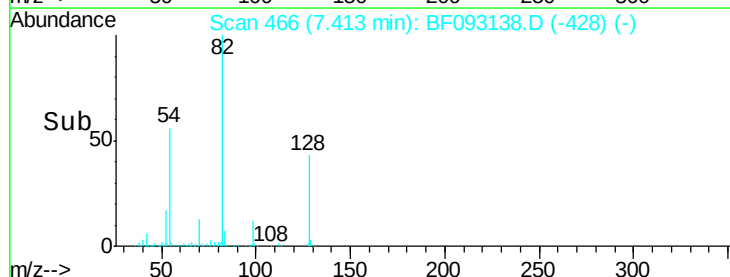
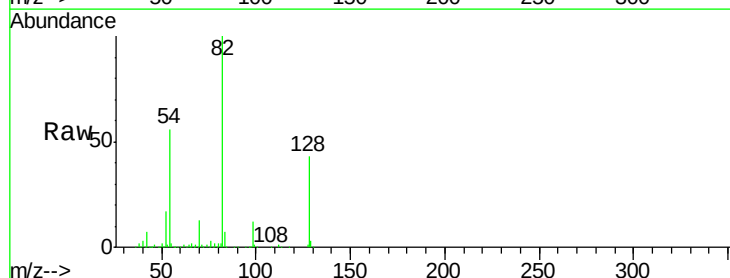
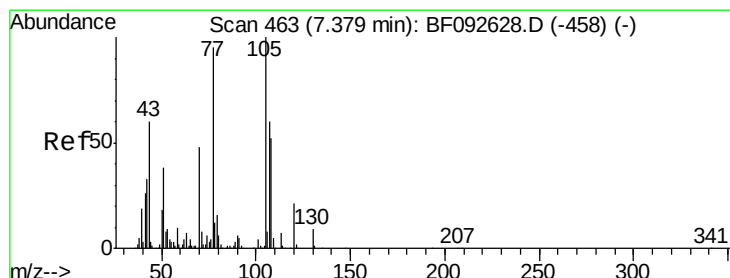
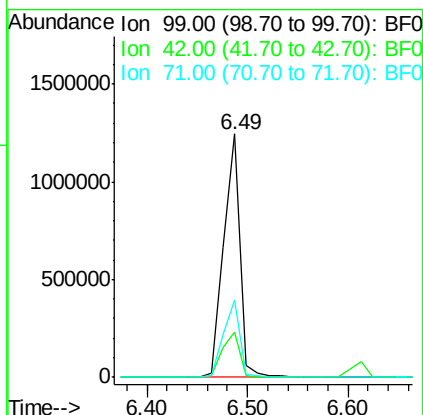
Tot Ion: 99 Resp: 1398207

Ion Ratio Lower Upper

99 100

42 18.5 15.6 23.4

71 31.7 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.34 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093138.D

Acq: 24 Feb 2017 8:49

Tgt Ion: 70 Resp: 121628

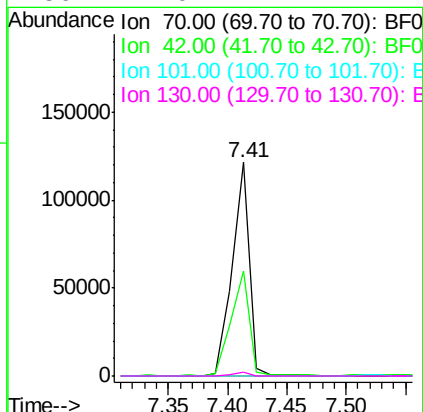
Ion Ratio Lower Upper

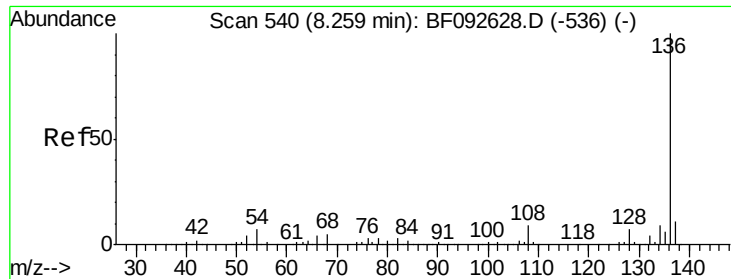
70 100

42 48.9 49.4 74.0#

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

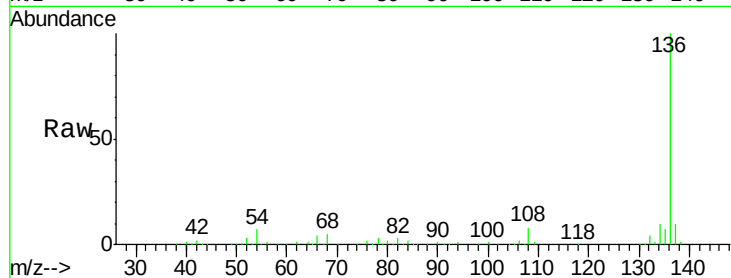




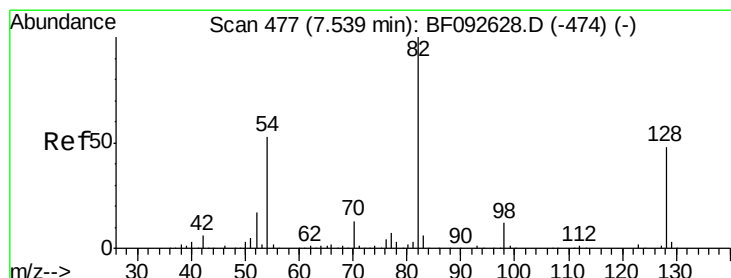
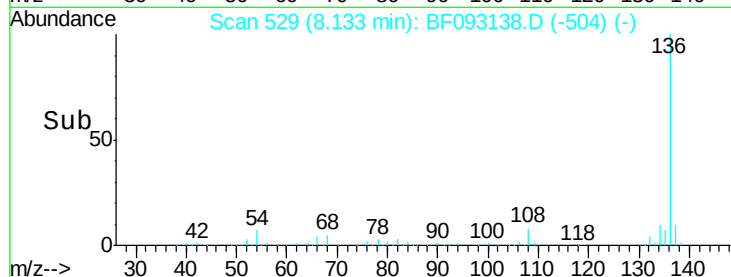
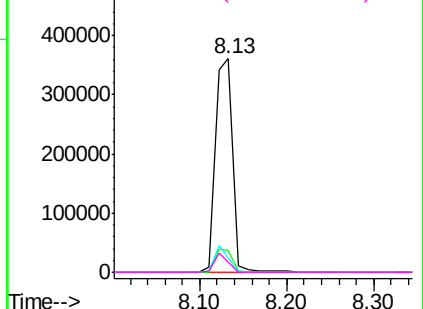
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093138.D
Acq: 24 Feb 2017 8:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	507397
Ion Ratio	Lower	Upper
136	100	
137	10.3	8.4 12.6
54	6.8	4.5 6.7#
68	4.8	3.6 5.4

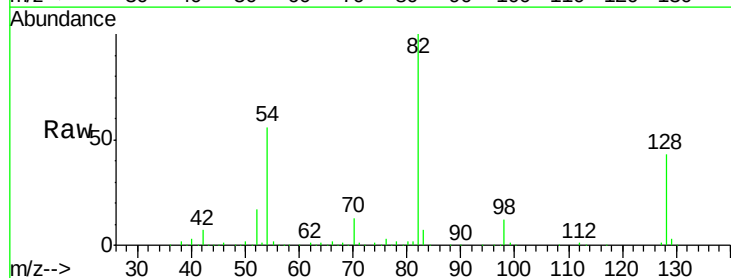


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

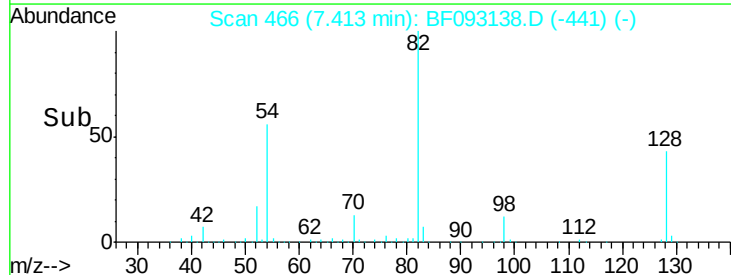
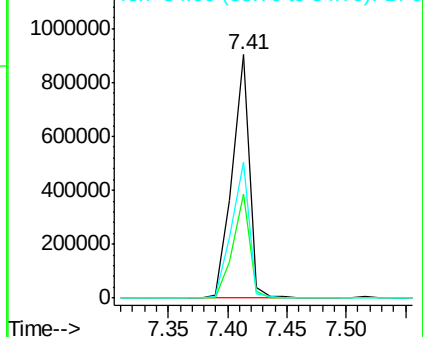


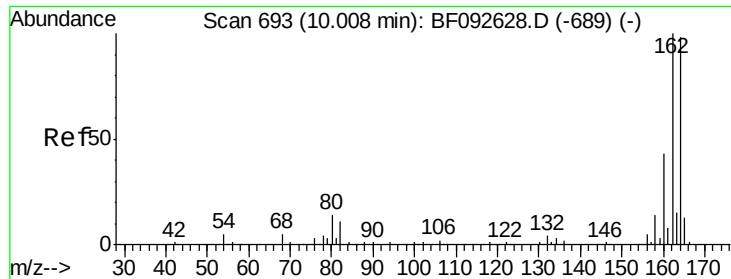
#23
Nitrobenzene-d5
Concen: 100.59 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093138.D
Acq: 24 Feb 2017 8:49

Tgt Ion: 82	Resp:	916504
Ion Ratio	Lower	Upper
82	100	
128	43.0	34.6 52.0
54	55.8	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

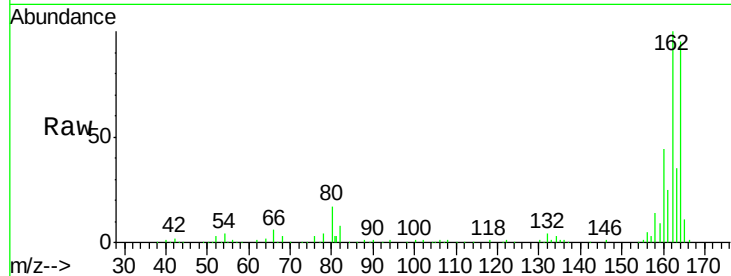




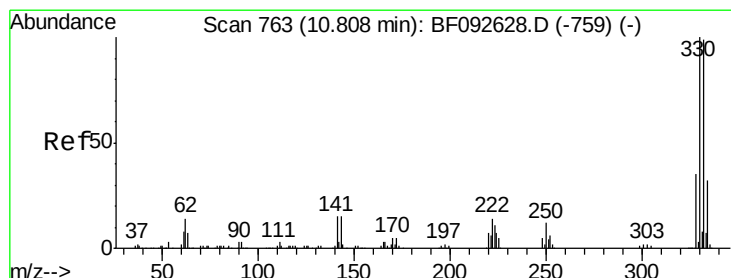
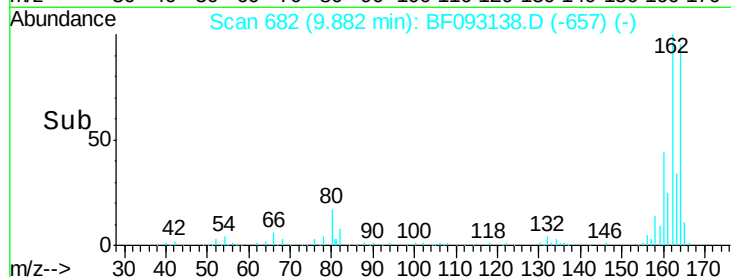
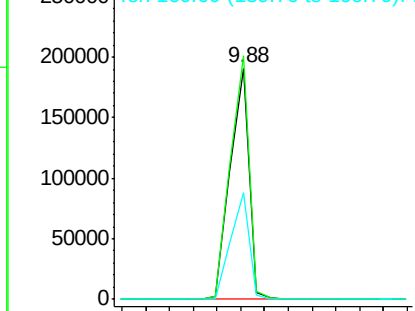
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093138.D
 Acq: 24 Feb 2017 8:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 210264
 Ion Ratio Lower Upper
 164 100
 162 105.3 80.2 120.2
 160 46.1 36.9 55.3

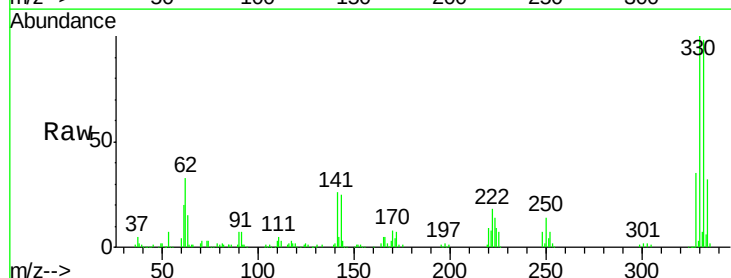


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

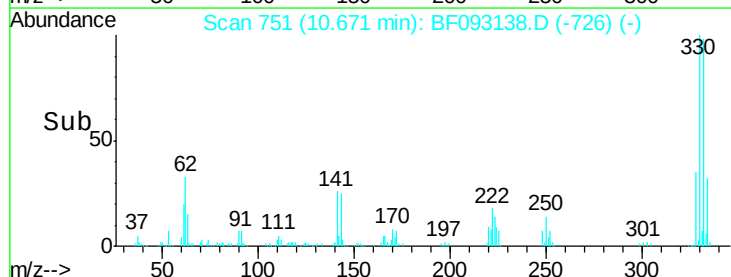
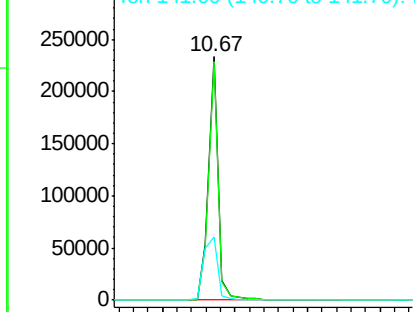


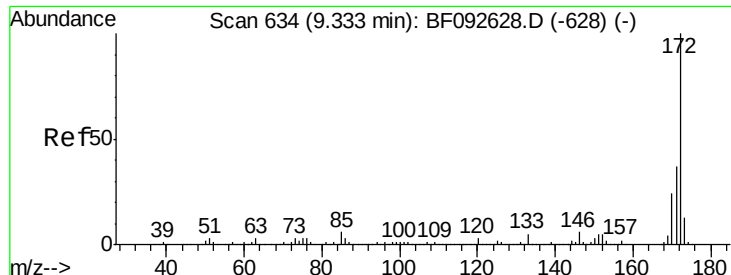
#41
 2,4,6-Tribromophenol
 Concen: 144.07 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093138.D
 Acq: 24 Feb 2017 8:49

Tgt Ion:330 Resp: 219098
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.2
 141 37.6 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

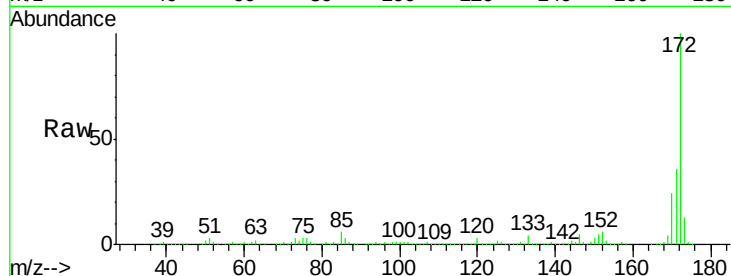




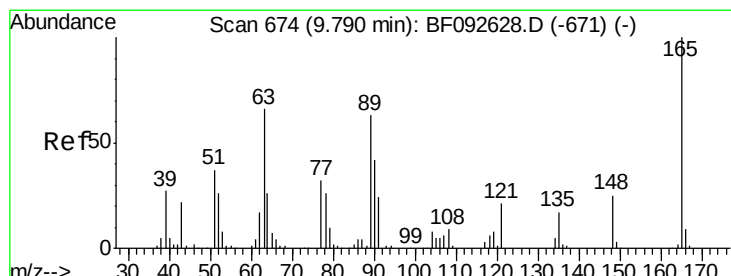
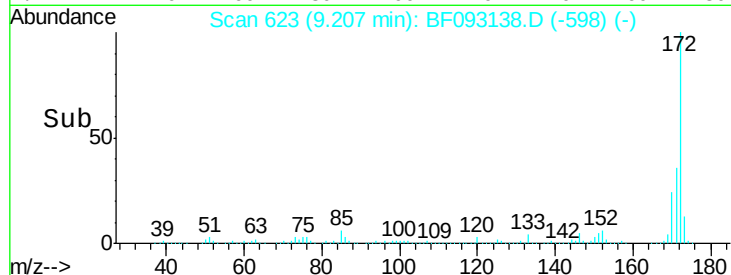
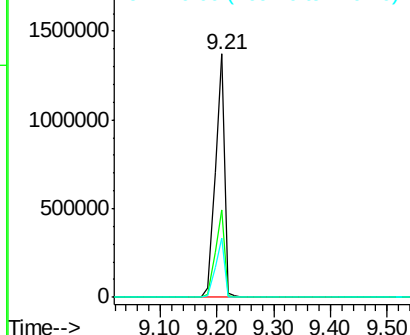
#44
 2-Fluorobiphenyl
 Concen: 129.41 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093138.D
 Acq: 24 Feb 2017 8:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1501949
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.5 20.2 30.4

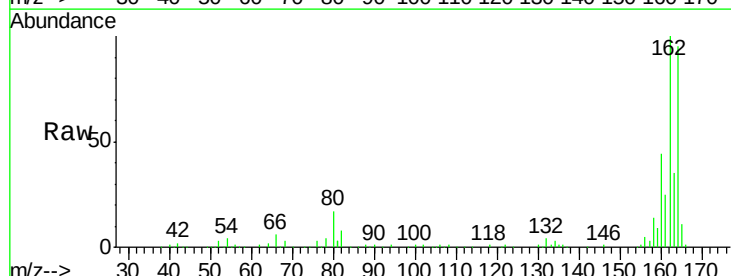


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

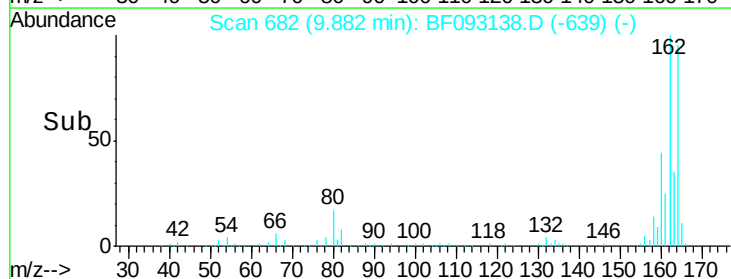
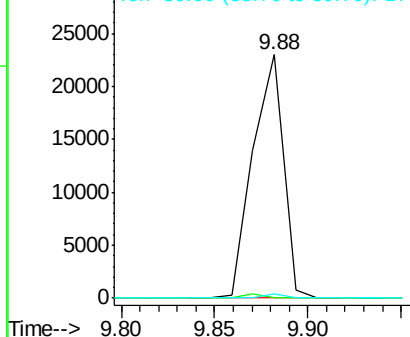


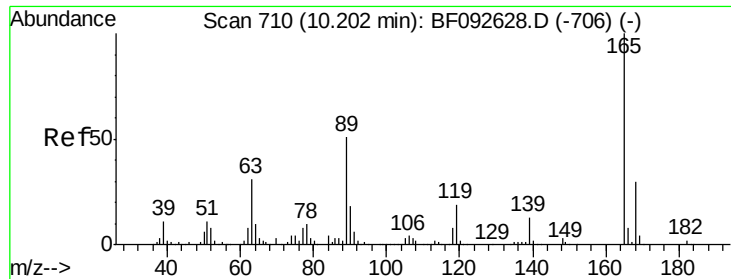
#50
 2,6-Dinitrotoluene
 Concen: 8.53 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.19 min
 Lab File: BF093138.D
 Acq: 24 Feb 2017 8:49

Tgt Ion:165 Resp: 26076
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.2 54.4#
 89 1.8 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: 6.40 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.21 min

Lab File: BF093138.D

Acq: 24 Feb 2017 8:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 26076

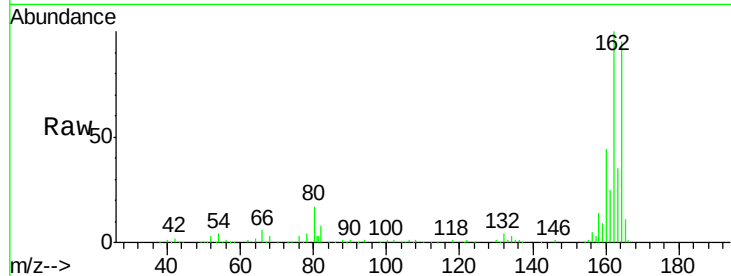
Ion Ratio Lower Upper

165 100

63 0.0 40.2 60.4#

89 1.8 62.5 93.7#

182 0.0 1.8 2.8#

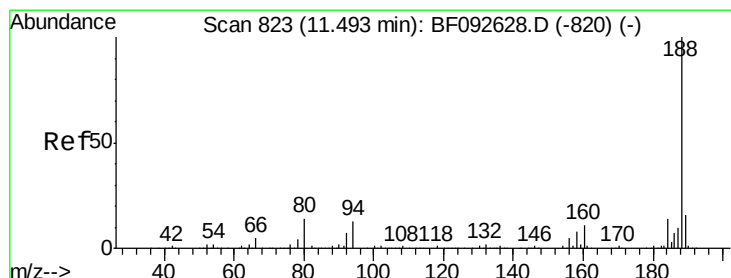
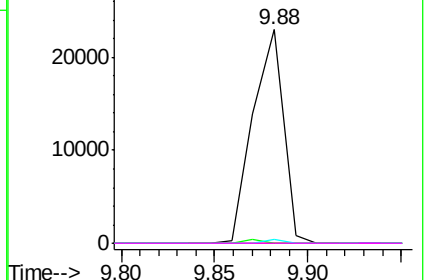
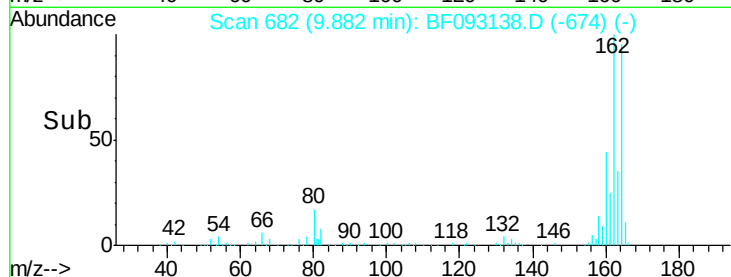


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF093138.D

Acq: 24 Feb 2017 8:49

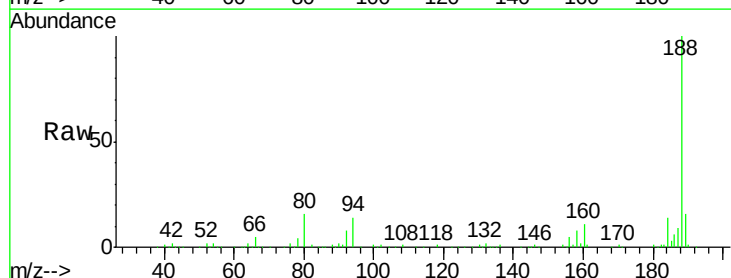
Tgt Ion:188 Resp: 314362

Ion Ratio Lower Upper

188 100

94 13.9 10.0 15.0

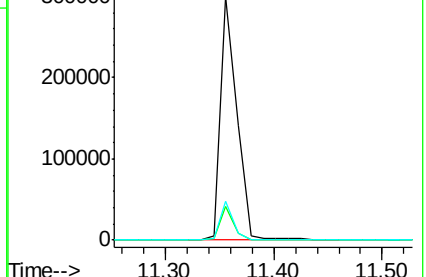
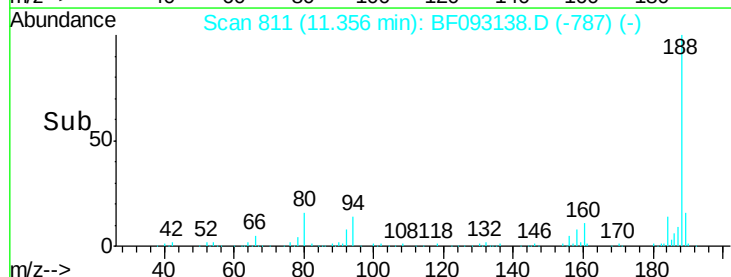
80 15.8 11.2 16.8

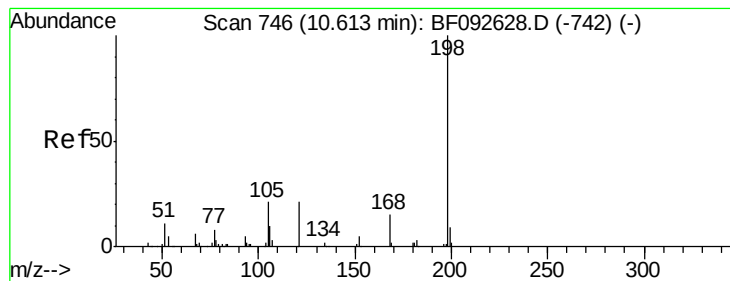


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.86 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.17 min

Lab File: BF093138.D

Acq: 24 Feb 2017 8:49

Instrument :

BNA_F

ClientSampleId :

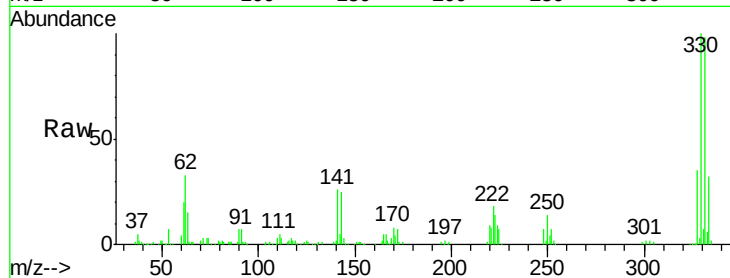
Tot Ion:198 Resp: 389

Ion Ratio Lower Upper

198 100

51 129.3 6.7 46.7#

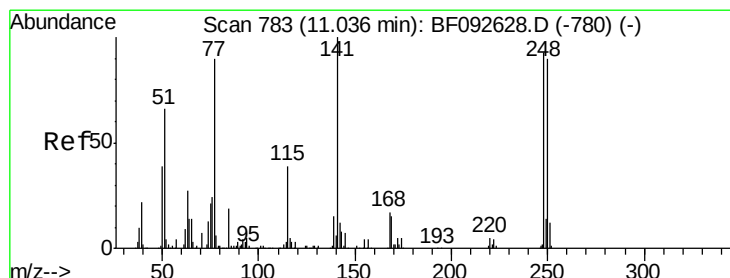
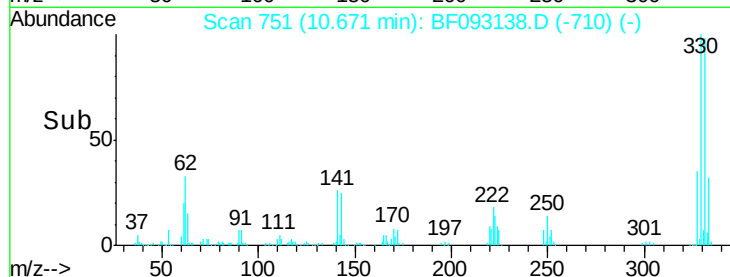
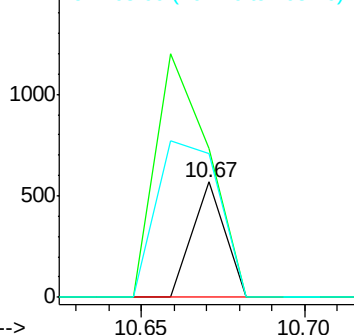
105 124.5 16.6 56.6#



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: 4.76 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093138.D

Acq: 24 Feb 2017 8:49

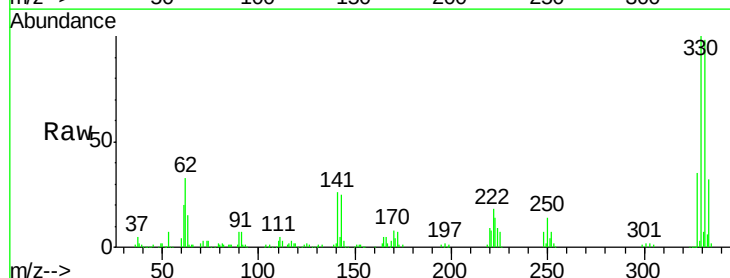
Tgt Ion:248 Resp: 15648

Ion Ratio Lower Upper

248 100

250 211.0 76.9 115.3#

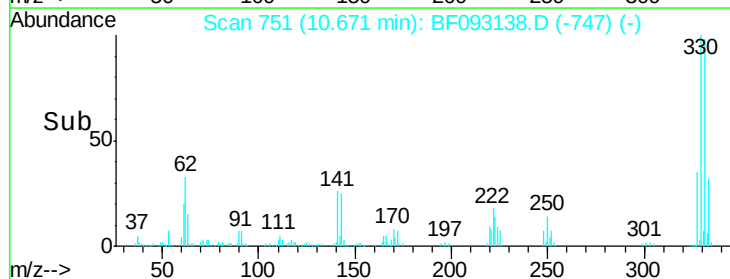
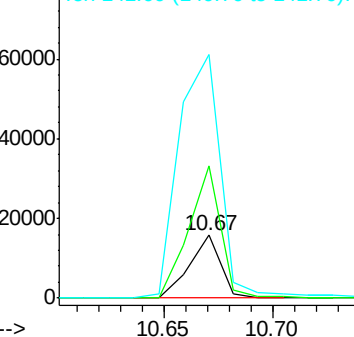
141 387.7 68.2 102.4#

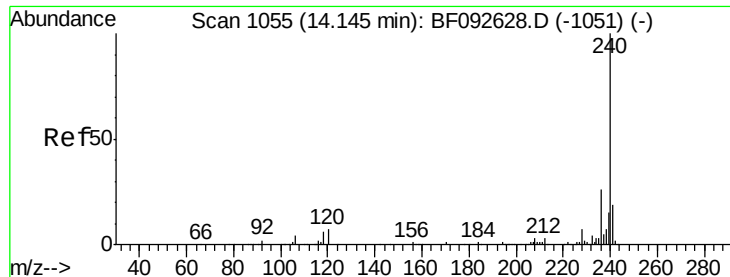


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF093138.D

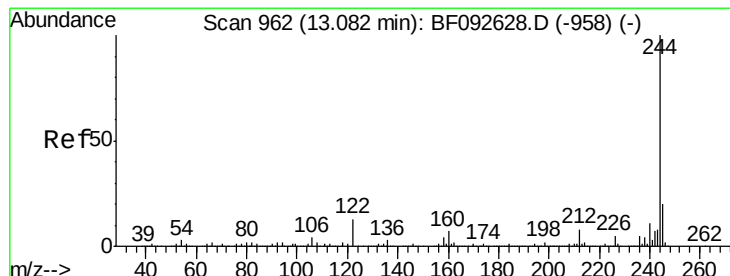
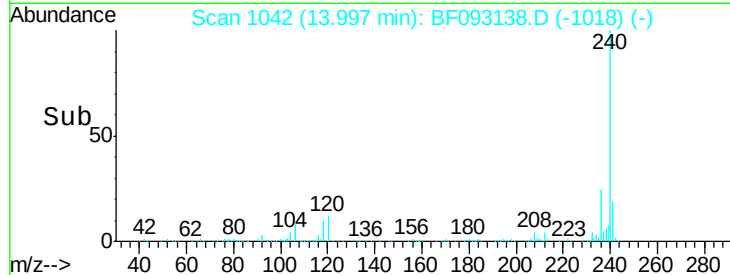
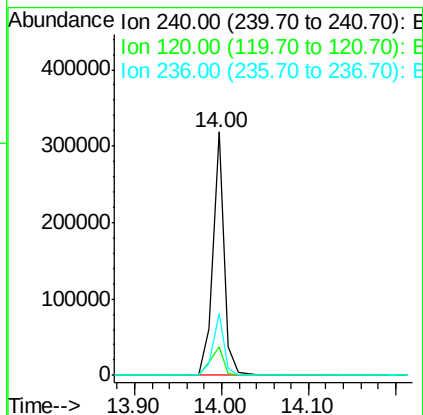
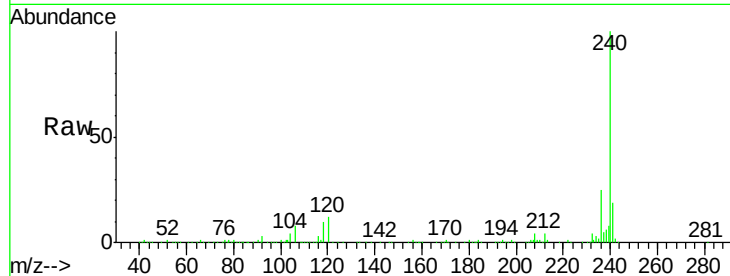
Acq: 24 Feb 2017 8:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:240	Resp:	292897
Ion Ratio	Lower	Upper
240	100	
120	11.9	12.9 19.3#
236	25.5	20.9 31.3



#78

Terphenyl-d14

Concen: 73.62 ng

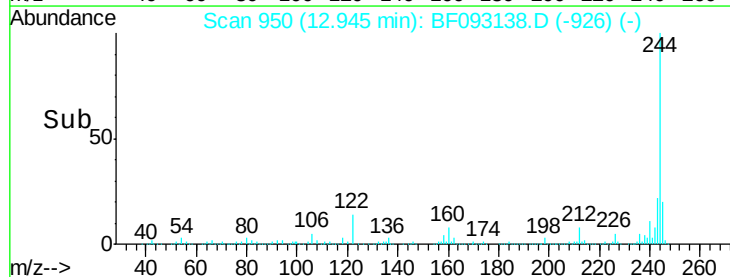
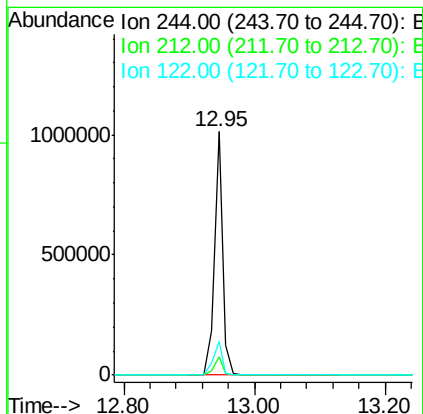
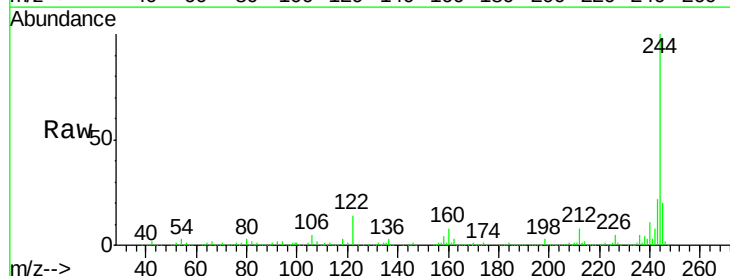
RT: 12.95 min Scan# 950

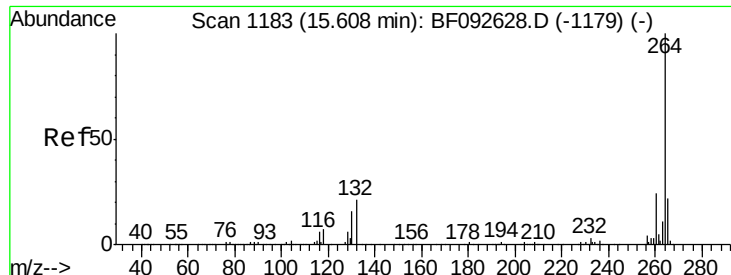
Delta R.T. -0.02 min

Lab File: BF093138.D

Acq: 24 Feb 2017 8:49

Tgt Ion:244	Resp:	917653
Ion Ratio	Lower	Upper
244	100	
212	7.6	6.2 9.2
122	13.7	11.4 17.2

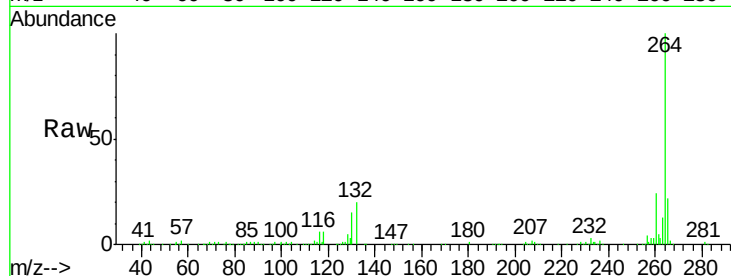




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 1167
 Delta R.T. -0.02 min
 Lab File: BF093138.D
 Acq: 24 Feb 2017 8:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.7	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

