

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093200.D
 Acq On : 27 Feb 2017 11:15
 Operator : SJ/MA
 Sample : I1980-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2R

Quant Time: Feb 27 11:48:06 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

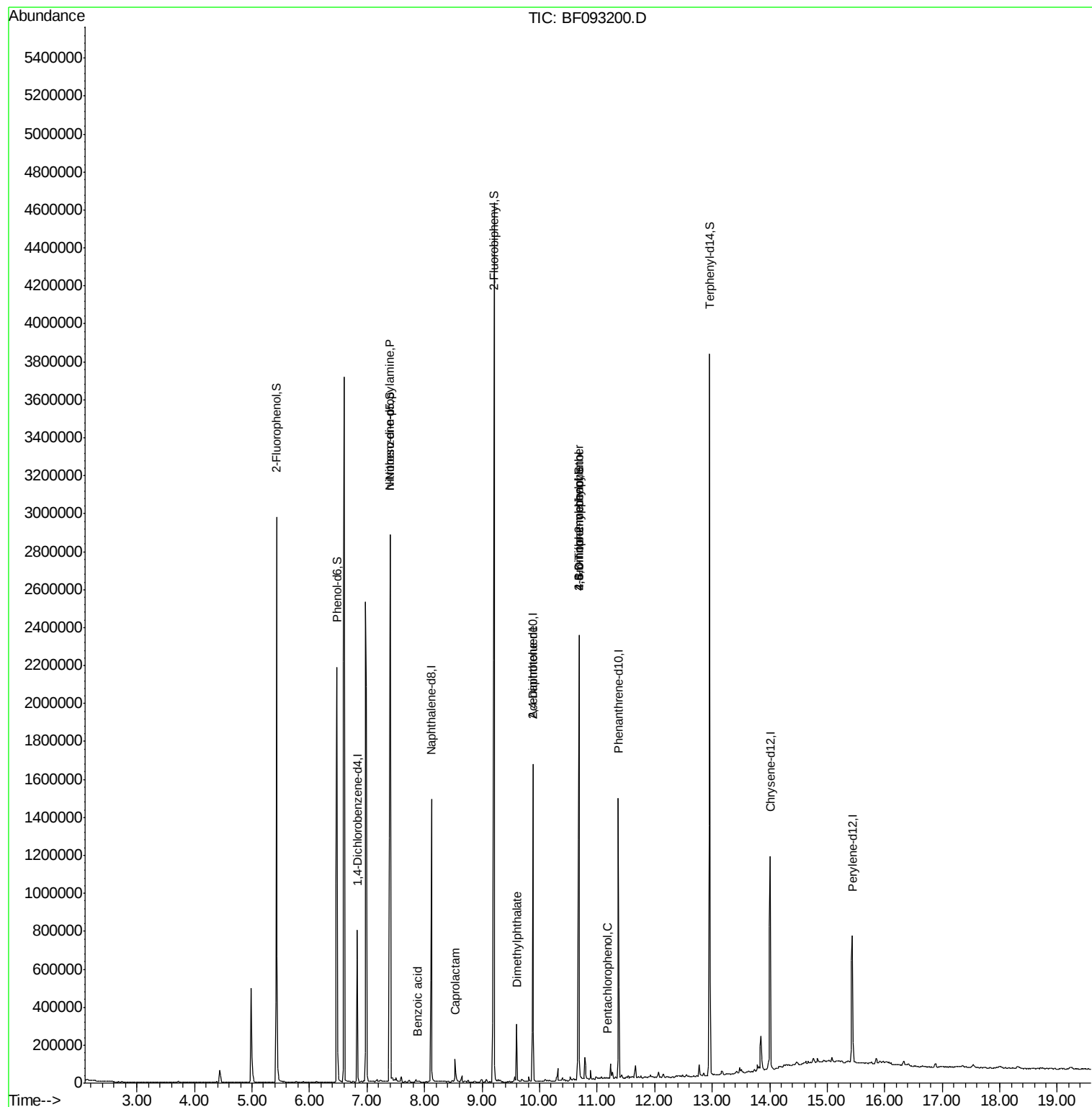
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	168223	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	703664	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	320174	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	563182	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	492231	20.00	ng	-0.01
86) Perylene-d12	15.44	264	328513	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	804416	82.04	ng	-0.02
7) Phenol-d6	6.48	99	830643	65.84	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1020788	80.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	297289	128.38	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1678346	94.97	ng	-0.01
78) Terphenyl-d14	12.96	244	1250961	59.71	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	136130	16.95	ng	# 81
32) Benzoic acid	7.88	122	207	7.19	ng	# 45
35) Caprolactam	8.53	113	12486	3.93	ng	# 38
49) Dimethylphthalate	9.61	163	181446	8.41	ng	99
56) 2,4-Dinitrotoluene	9.88	165	41360	6.67	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	859	2.91	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	23485	3.99	ng	# 1
69) Pentachlorophenol	11.18	266	300	7.29	ng	# 3

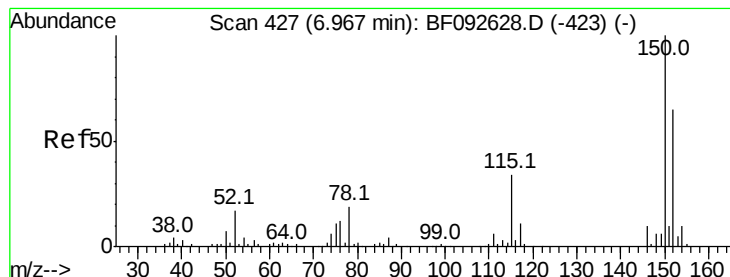
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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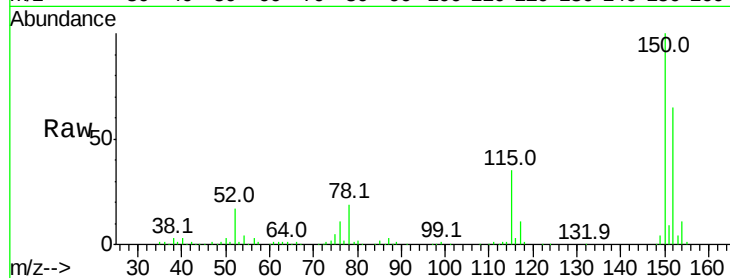


#1

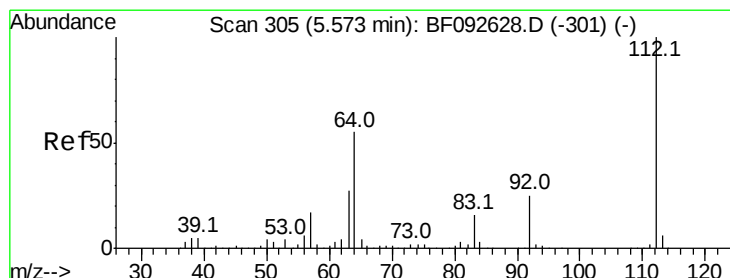
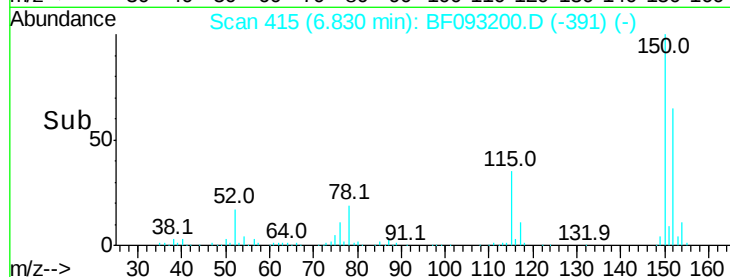
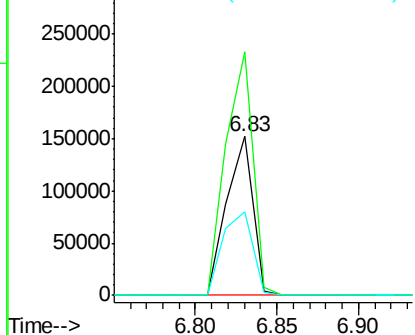
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093200.D
Acq: 27 Feb 2017 11:15

Instrument :
BNA_F
ClientSampleId :
MW-2R

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.9	187.3
115	52.9	46.0	69.0



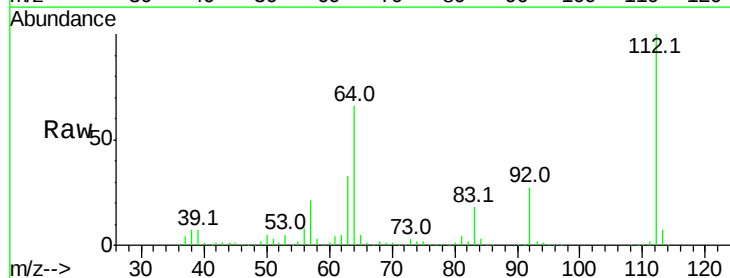
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



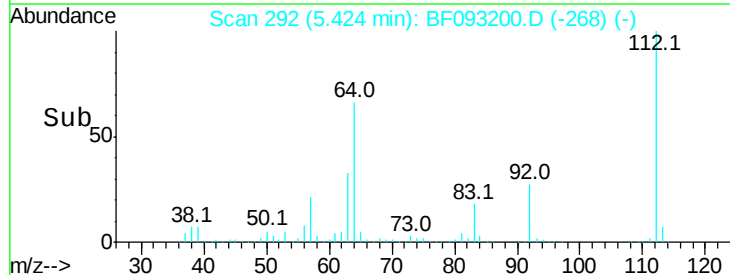
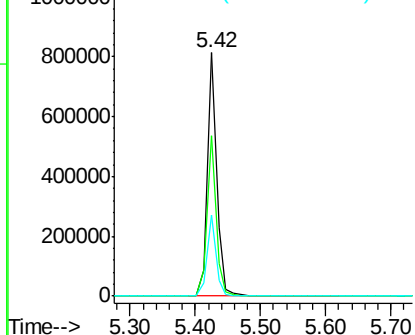
#5

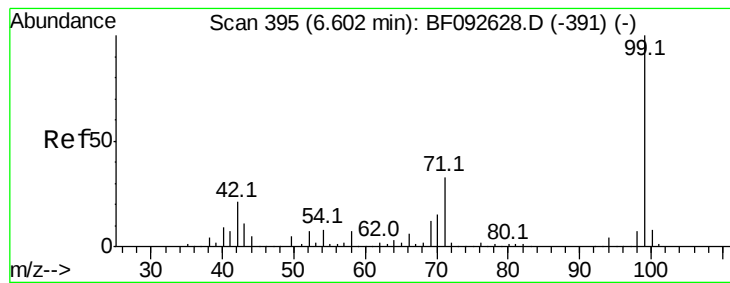
2-Fluorophenol
Concen: 82.04 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF093200.D
Acq: 27 Feb 2017 11:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	46.1	69.1
63	33.3	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: 65.84 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093200.D

Acq: 27 Feb 2017 11:15

Instrument :

BNA_F

ClientSampleId :

MW-2R

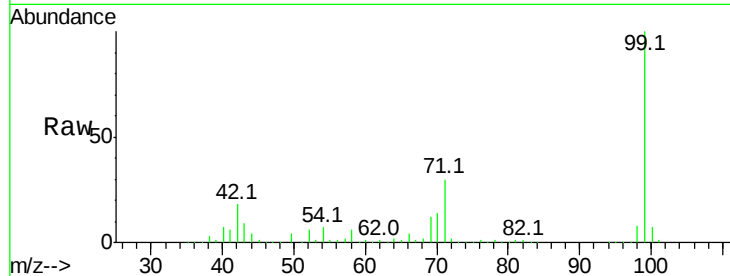
Tot Ion: 99 Resp: 830643

Ion Ratio Lower Upper

99 100

42 17.7 15.6 23.4

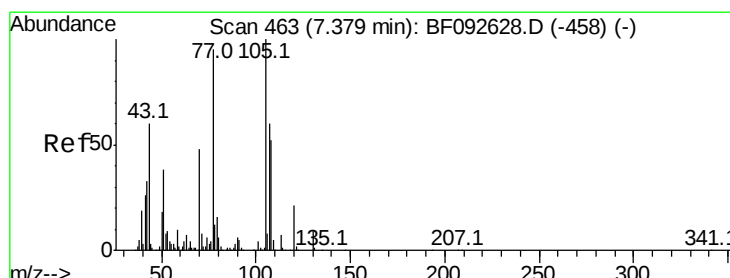
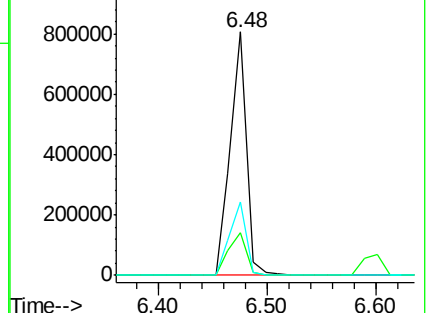
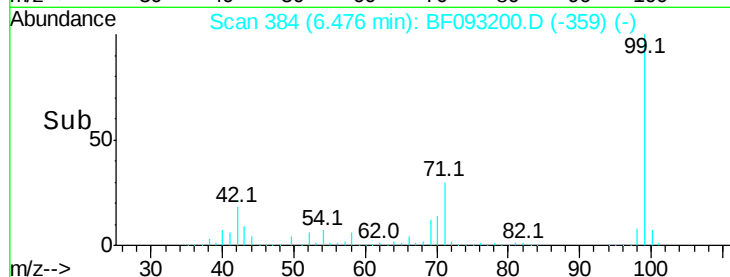
71 30.1 27.5 41.3



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: 16.95 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF093200.D

Acq: 27 Feb 2017 11:15

Tgt Ion: 70 Resp: 136130

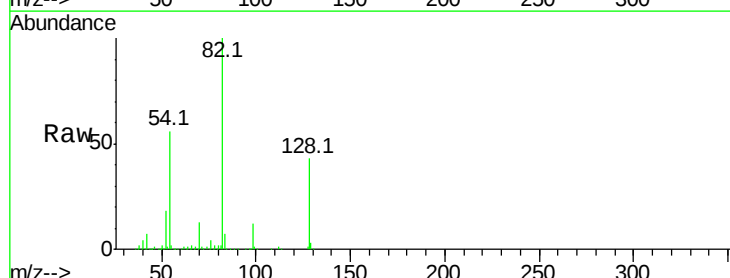
Ion Ratio Lower Upper

70 100

42 51.0 49.4 74.0

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#

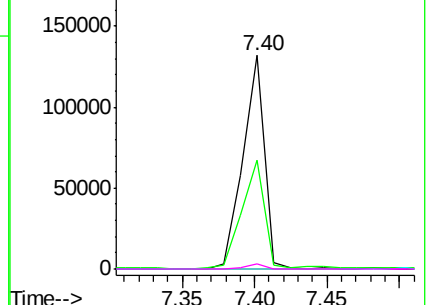
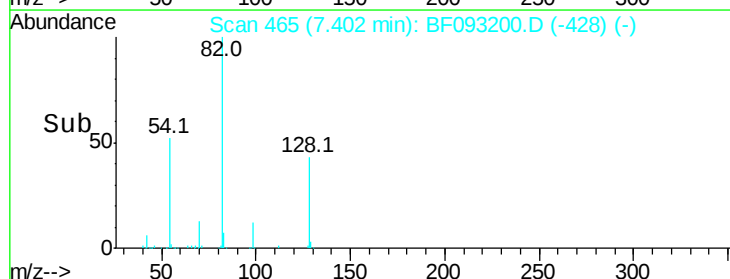


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

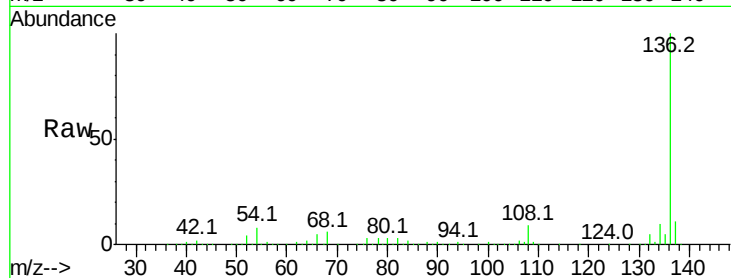




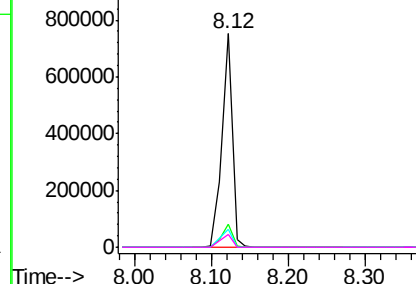
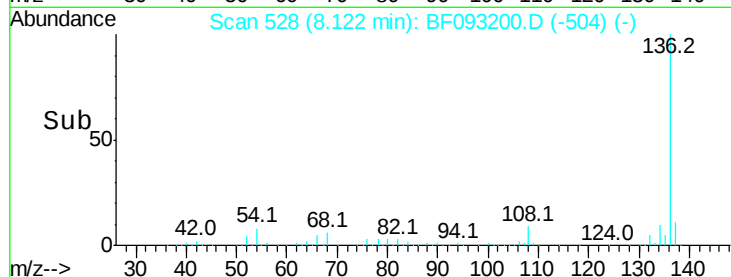
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093200.D
Acq: 27 Feb 2017 11:15

Instrument :
BNA_F
ClientSampleId :
MW-2R

Tot Ion:	136	Resp:	703664
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	8.3	4.5	6.7#
68	6.3	3.6	5.4#

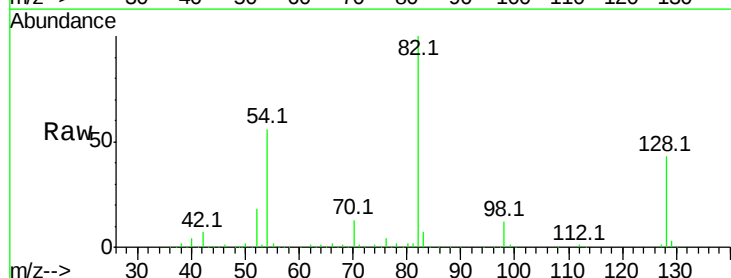


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

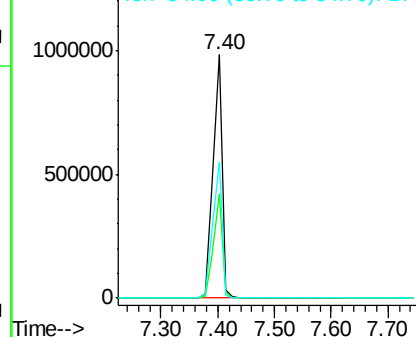
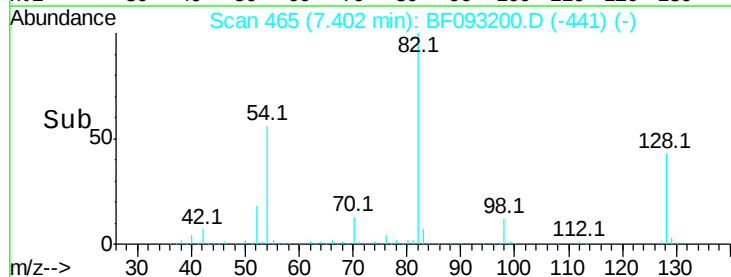


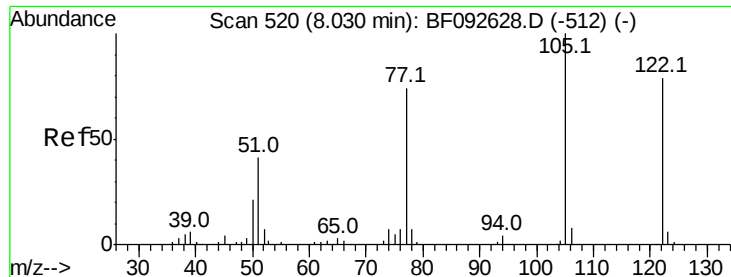
#23
Nitrobenzene-d5
Concen: 80.78 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093200.D
Acq: 27 Feb 2017 11:15

Tgt Ion:	82	Resp:	1020788
Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.6	52.0
54	56.0	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

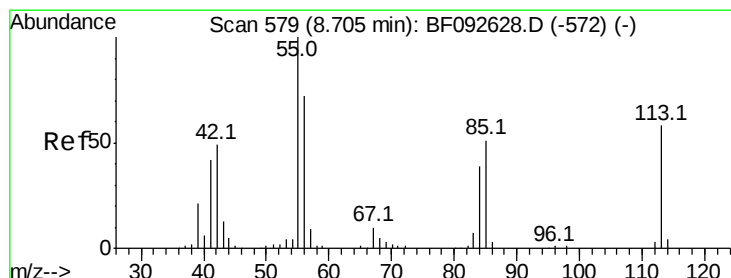
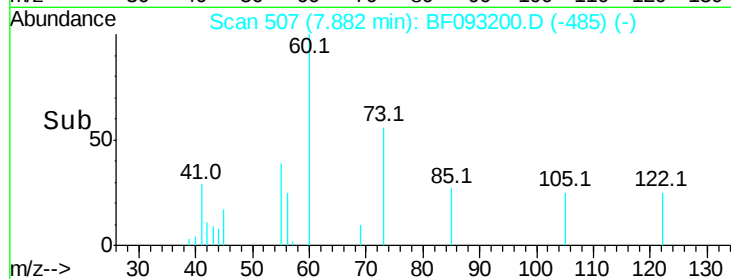
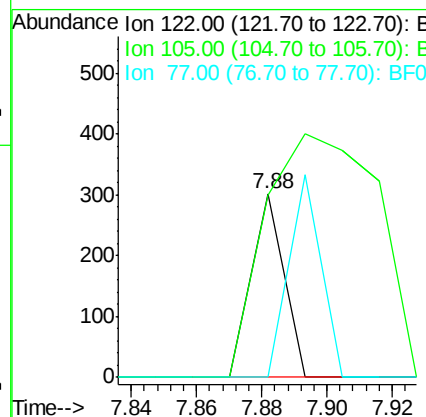
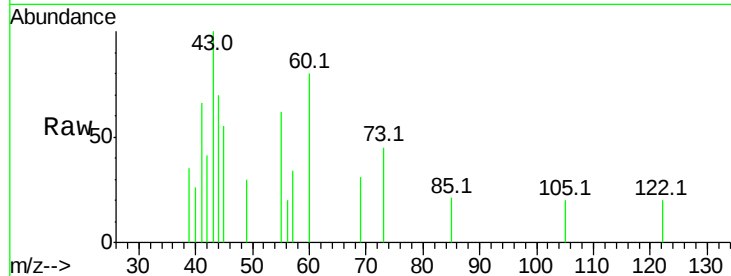




#32
Benzoic acid
Concen: 7.19 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.05 min
Lab File: BF093200.D
Acq: 27 Feb 2017 11:15

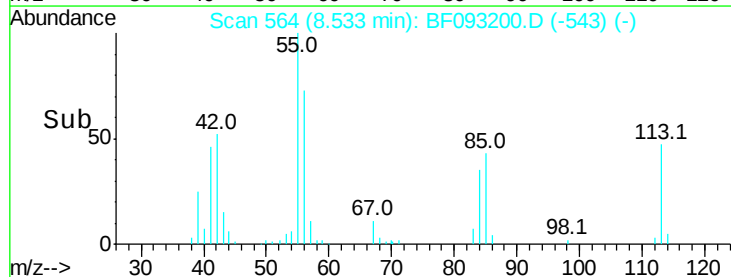
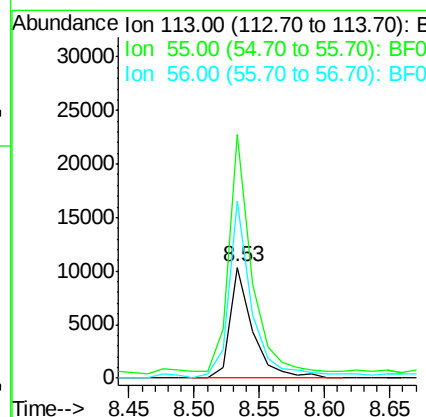
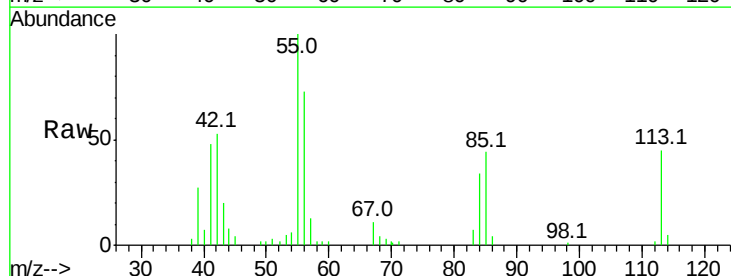
Instrument :
BNA_F
ClientSampleId :
MW-2R

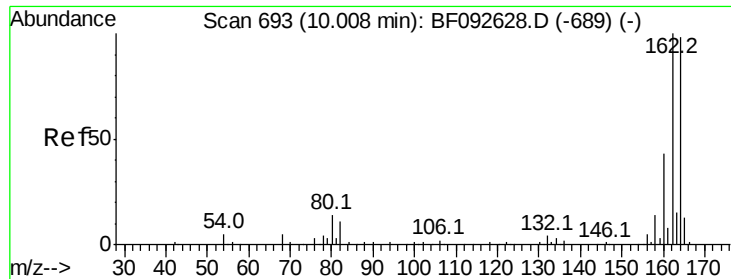
Tot Ion:122 Resp: 207
Ion Ratio Lower Upper
122 100
105 99.3 107.2 147.2#
77 0.0 74.5 114.5#



#35
Caprolactam
Concen: 3.93 ng
RT: 8.53 min Scan# 564
Delta R.T. -0.06 min
Lab File: BF093200.D
Acq: 27 Feb 2017 11:15

Tgt Ion:113 Resp: 12486
Ion Ratio Lower Upper
113 100
55 219.8 119.2 159.2#
56 160.2 83.8 123.8#

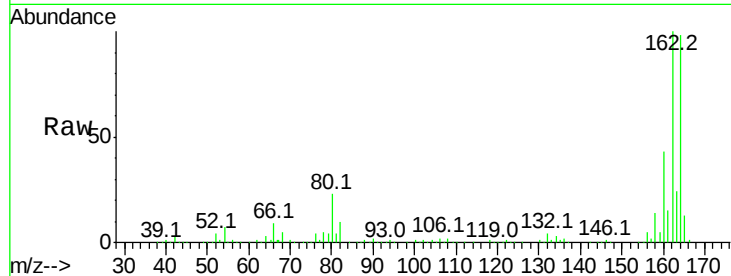




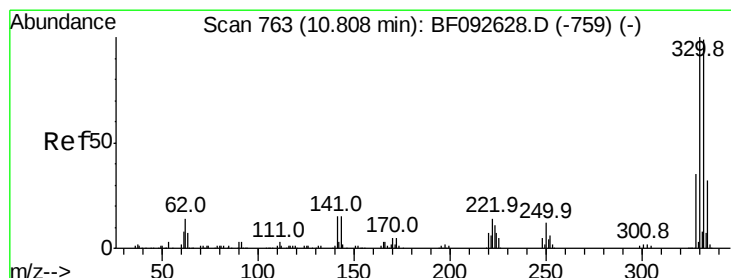
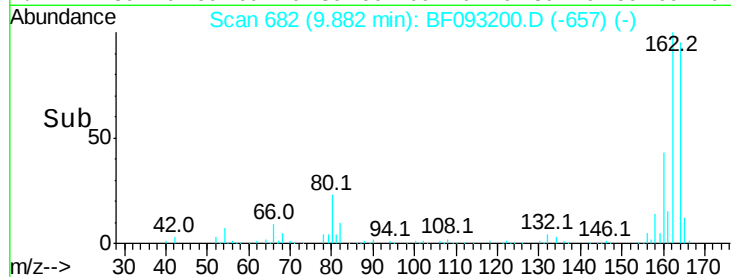
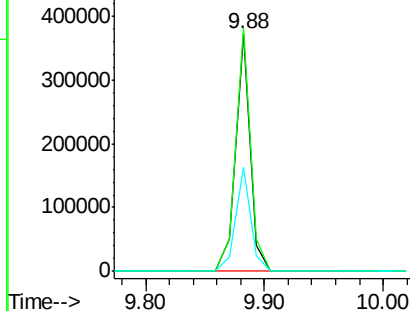
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093200.D
 Acq: 27 Feb 2017 11:15

Instrument :
 BNA_F
 ClientSampleId :
 MW-2R

Tot Ion:164 Resp: 320174
 Ion Ratio Lower Upper
 164 100
 162 102.5 80.2 120.2
 160 44.1 36.9 55.3

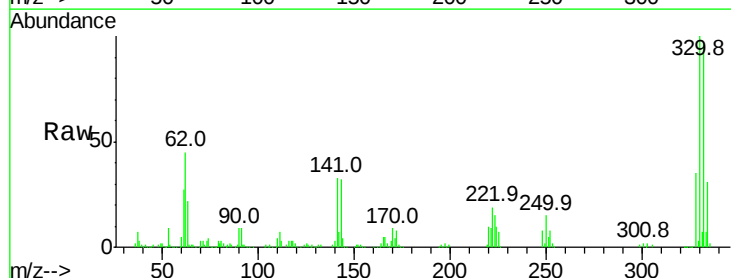


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

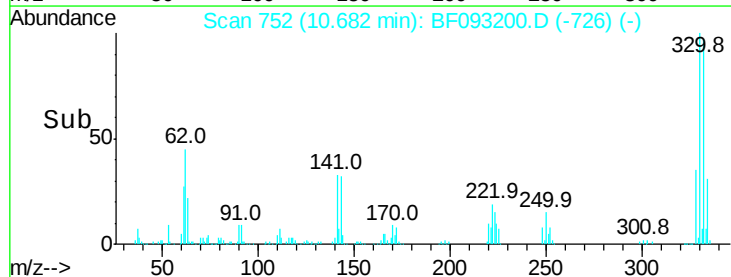
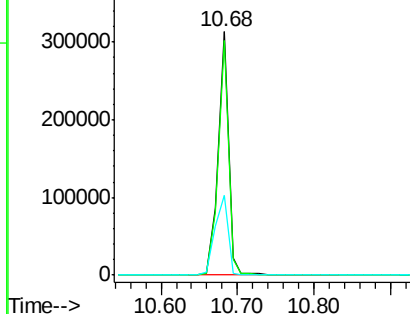


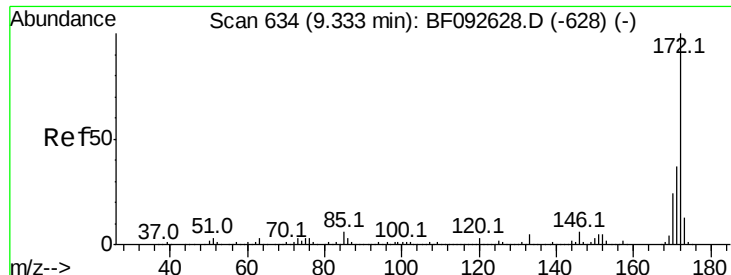
#41
 2,4,6-Tribromophenol
 Concen: 128.38 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093200.D
 Acq: 27 Feb 2017 11:15

Tgt Ion:330 Resp: 297289
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.2
 141 40.2 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

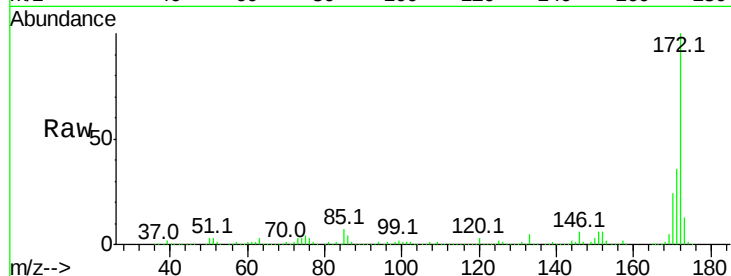




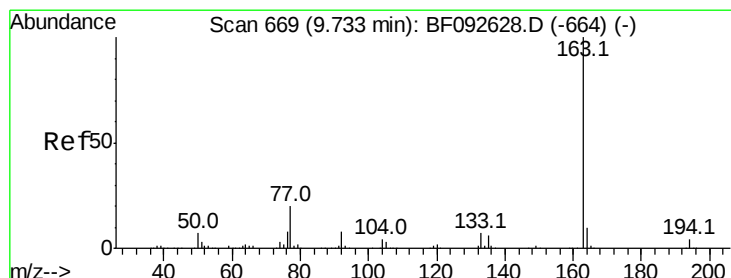
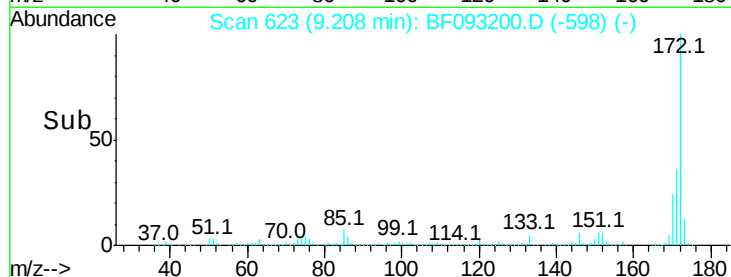
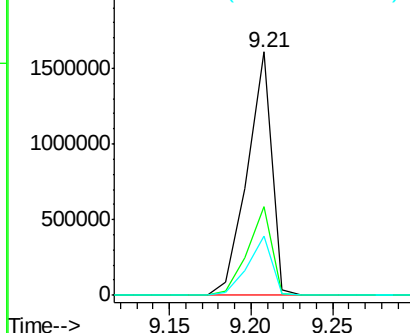
#44
2-Fluorobiphenyl
Concen: 94.97 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093200.D
Acq: 27 Feb 2017 11:15

Instrument :
BNA_F
ClientSampleId :
MW-2R

Tot Ion:172 Resp: 1678346
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 24.5 20.2 30.4

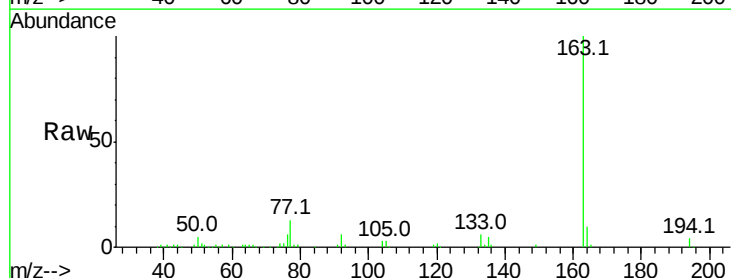


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

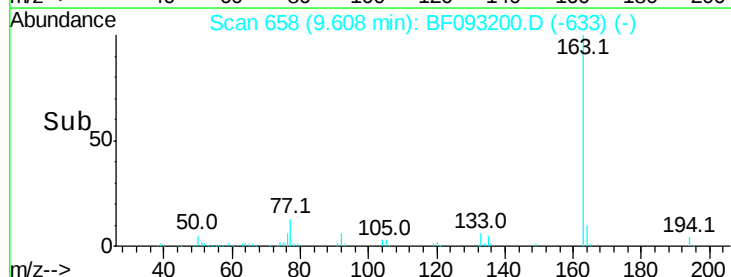
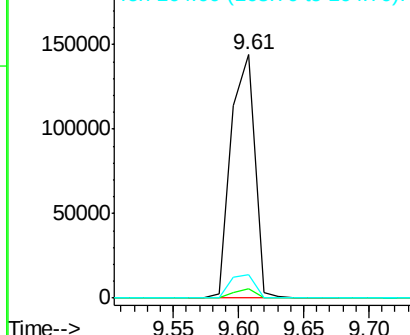


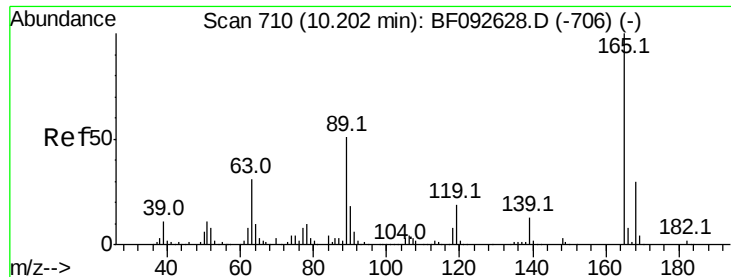
#49
Dimethylphthalate
Concen: 8.41 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF093200.D
Acq: 27 Feb 2017 11:15

Tgt Ion:163 Resp: 181446
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 9.5 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.67 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.21 min

Lab File: BF093200.D

Acq: 27 Feb 2017 11:15

Instrument :

BNA_F

ClientSampleId :

MW-2R

Tot Ion:165 Resp: 41360

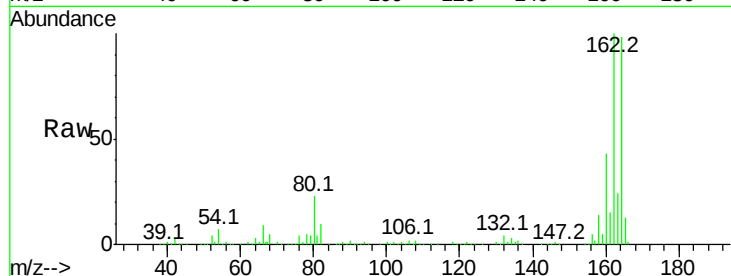
Ion Ratio Lower Upper

165 100

63 1.6 40.2 60.4#

89 1.0 62.5 93.7#

182 0.0 1.8 2.8#

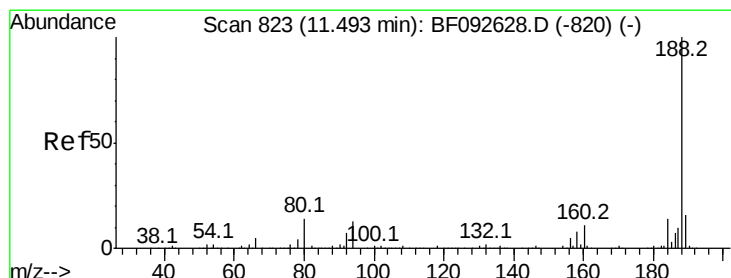
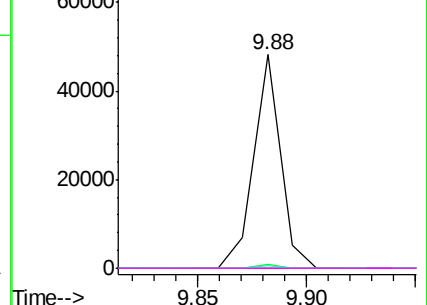
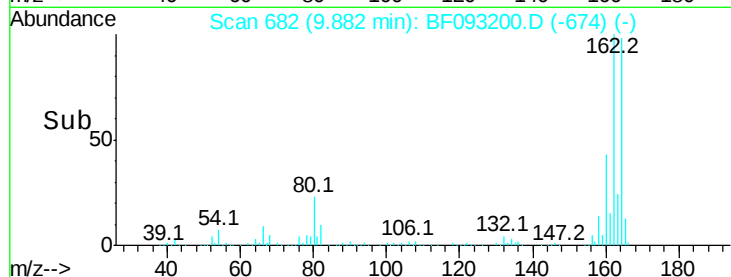


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093200.D

Acq: 27 Feb 2017 11:15

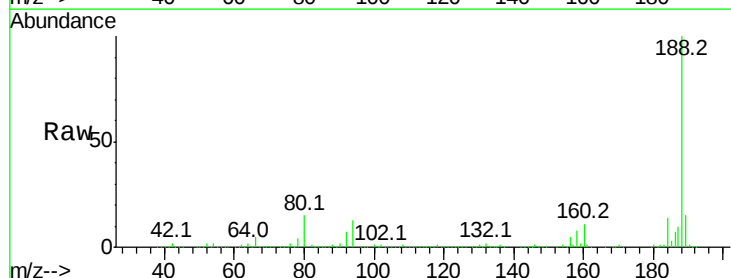
Tgt Ion:188 Resp: 563182

Ion Ratio Lower Upper

188 100

94 13.3 10.0 15.0

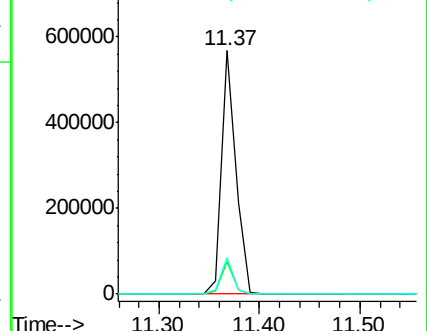
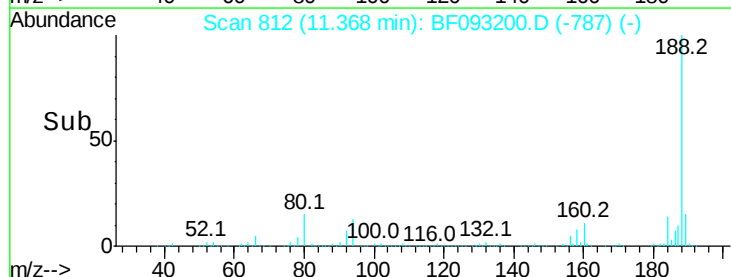
80 14.9 11.2 16.8

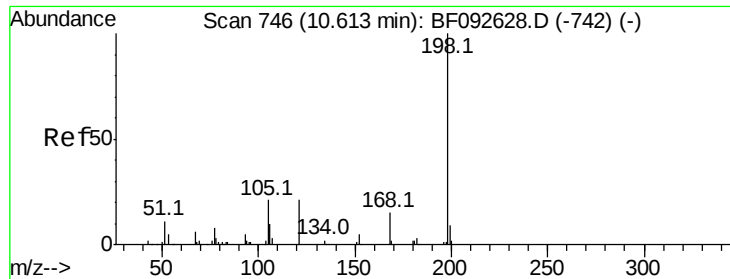


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

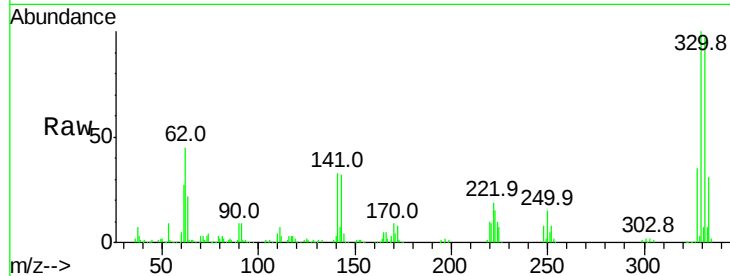




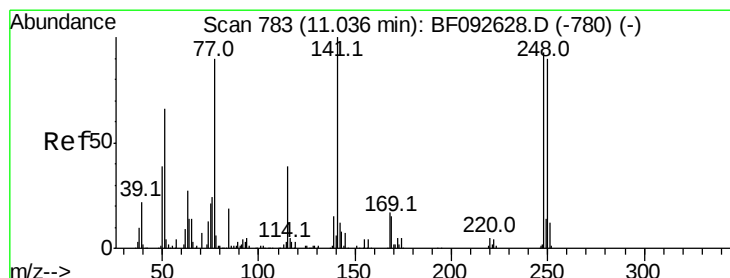
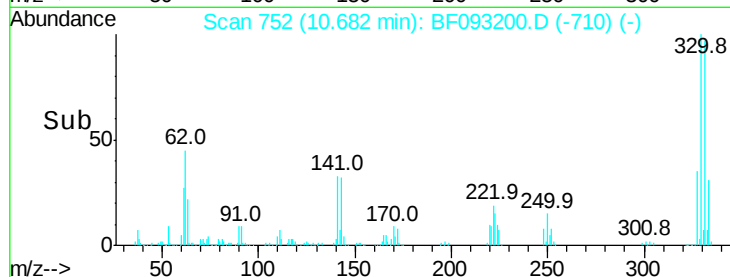
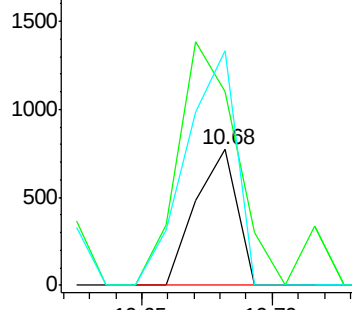
#64
4,6-Dinitro-2-methylphenol
Concen: 2.91 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.18 min
Lab File: BF093200.D
Acq: 27 Feb 2017 11:15

Instrument :
BNA_F
ClientSampleId :
MW-2R

Tot Ion:198 Resp: 859
Ion Ratio Lower Upper
198 100
51 143.4 6.7 46.7#
105 173.0 16.6 56.6#

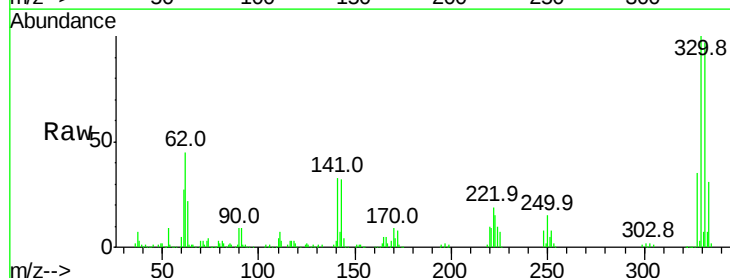


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

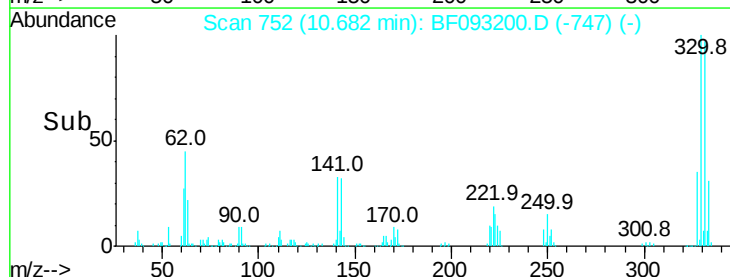
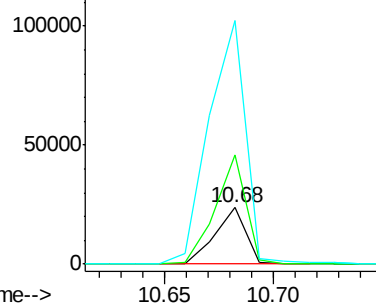


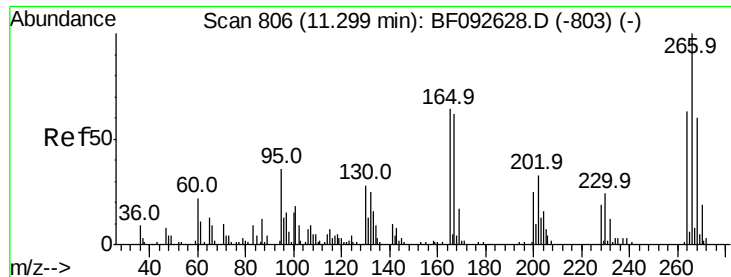
#66
4-Bromophenyl-phenylether
Concen: 3.99 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.24 min
Lab File: BF093200.D
Acq: 27 Feb 2017 11:15

Tgt Ion:248 Resp: 23485
Ion Ratio Lower Upper
248 100
250 193.3 76.9 115.3#
141 431.3 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

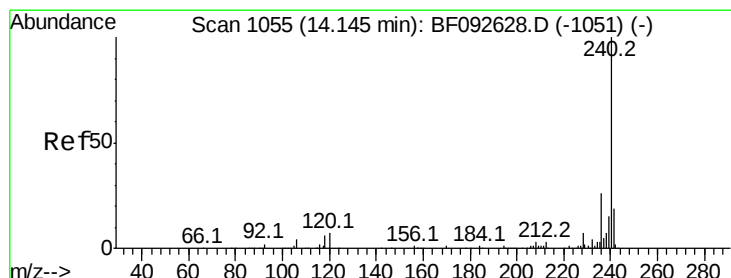
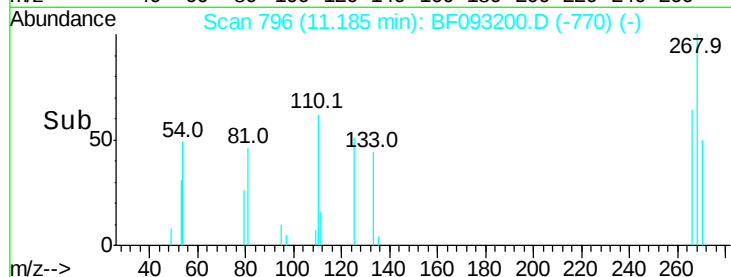
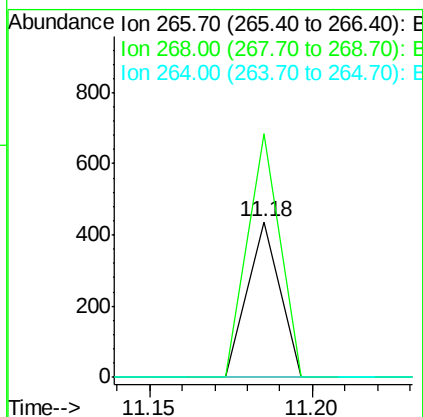
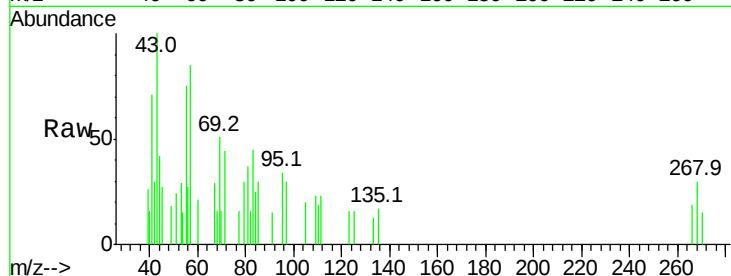




#69
 Pentachlorophenol
 Concen: 7.29 ng
 RT: 11.18 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF093200.D
 Acq: 27 Feb 2017 11:15

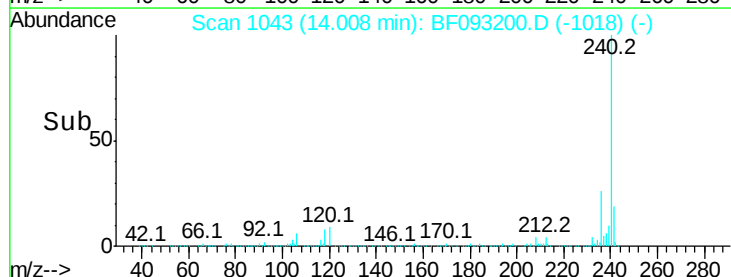
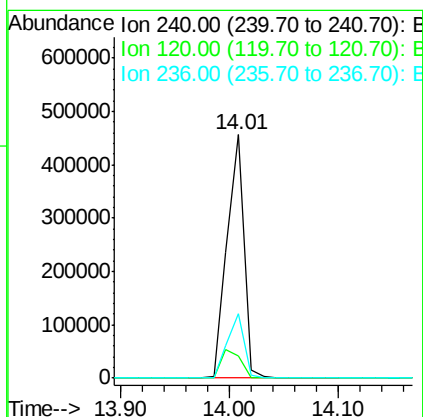
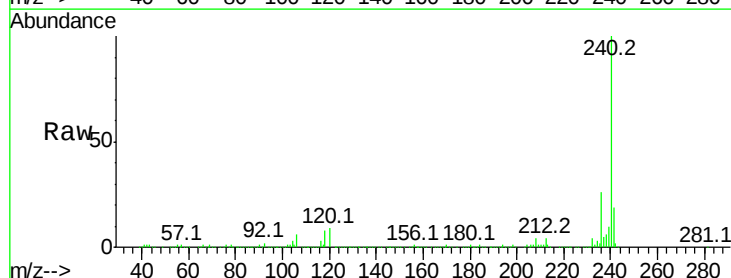
Instrument :
 BNA_F
 ClientSampled :
 MW-2R

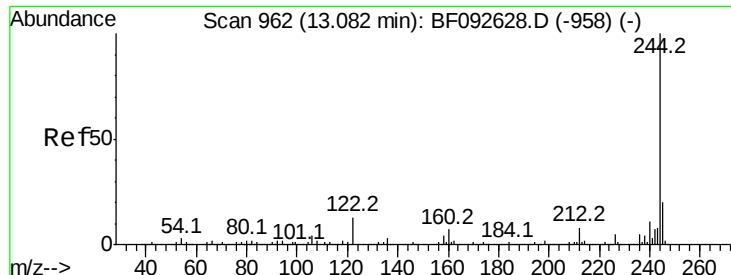
Tot Ion:266 Resp: 300
 Ion Ratio Lower Upper
 266 100
 268 156.2 53.3 79.9#
 264 0.0 50.3 75.5#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF093200.D
 Acq: 27 Feb 2017 11:15

Tgt Ion:240 Resp: 492231
 Ion Ratio Lower Upper
 240 100
 120 9.3 12.9 19.3#
 236 26.3 20.9 31.3

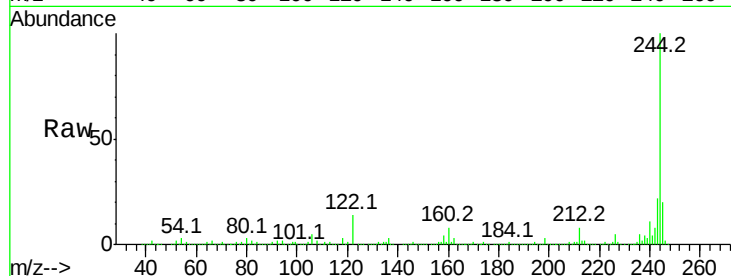




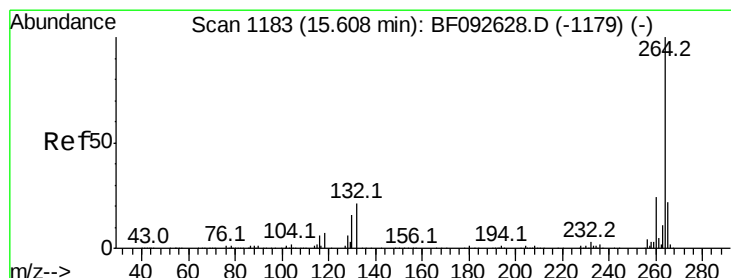
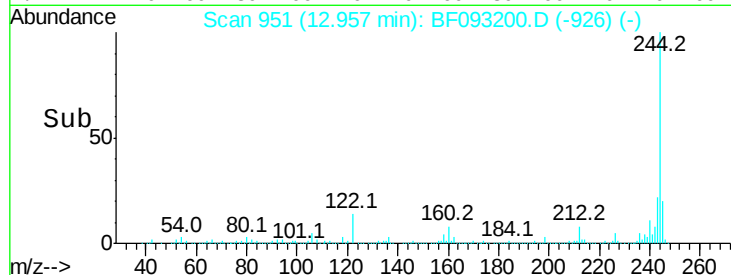
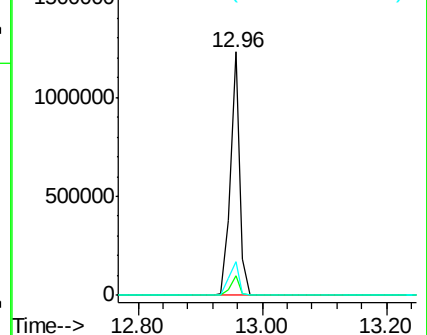
#78
 Terphenyl-d14
 Concen: 59.71 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF093200.D
 Acq: 27 Feb 2017 11:15

Instrument :
 BNA_F
 ClientSampleId :
 MW-2R

Tot Ion:244 Resp: 1250961
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 13.6 11.4 17.2

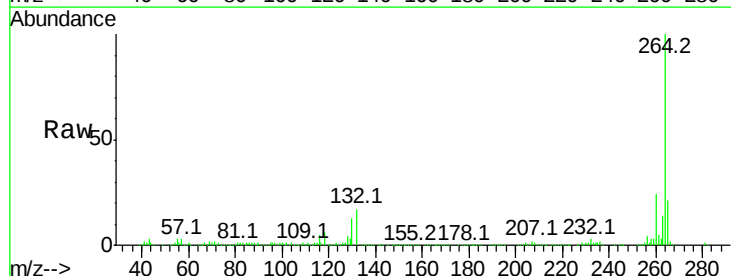


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF093200.D
 Acq: 27 Feb 2017 11:15

Tgt Ion:264 Resp: 328513
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 20.8 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

