

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093199.D
 Acq On : 27 Feb 2017 10:48
 Operator : SJ/MA
 Sample : I1980-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-8R

Quant Time: Feb 27 11:47:56 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

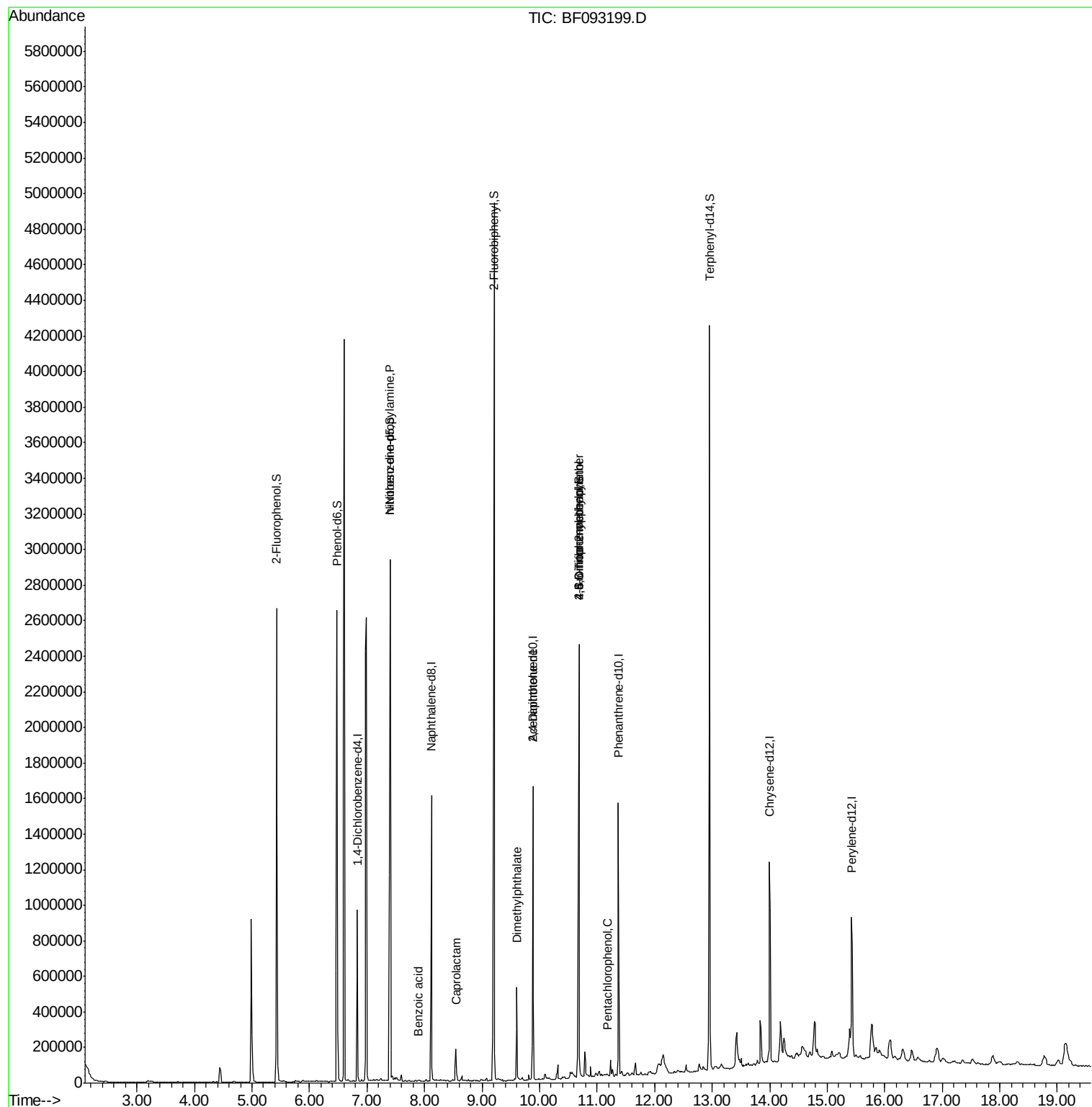
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	182216	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	733732	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	327054	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	581567	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	527692	20.00	ng	-0.02
86) Perylene-d12	15.43	264	396205	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	867018	81.63	ng	-0.02
7) Phenol-d6	6.48	99	857878	62.78	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1013814	76.94	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	308962	130.61	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1668808	92.44	ng	-0.01
78) Terphenyl-d14	12.96	244	1455330	64.80	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	135991	15.63	ng	# 82
32) Benzoic acid	7.89	122	732	7.26	ng	# 81
35) Caprolactam	8.54	113	17913	5.41	ng	# 49
49) Dimethylphthalate	9.61	163	261953	11.89	ng	100
56) 2,4-Dinitrotoluene	9.88	165	43464	6.86	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	942	2.92	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	24041	3.96	ng	# 1
69) Pentachlorophenol	11.17	266	1226	7.56	ng	# 1

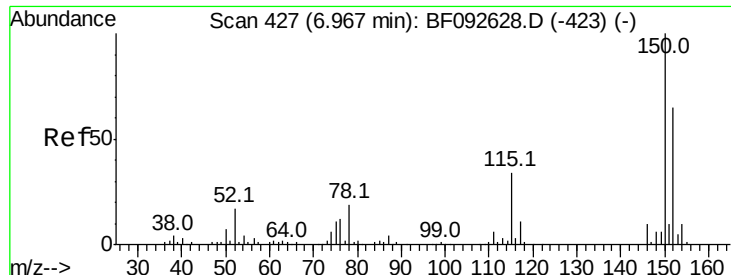
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093199.D

Acq: 27 Feb 2017 10:48

Instrument :

BNA_F

ClientSampleId :

MW-8R

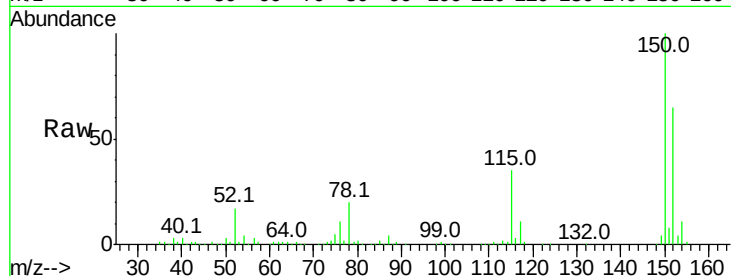
Tot Ion:152 Resp: 182216

Ion Ratio Lower Upper

152 100

150 154.2 124.9 187.3

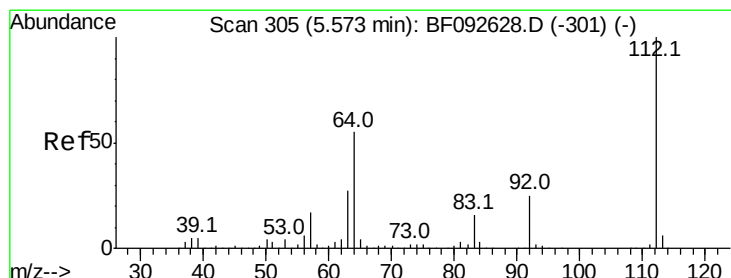
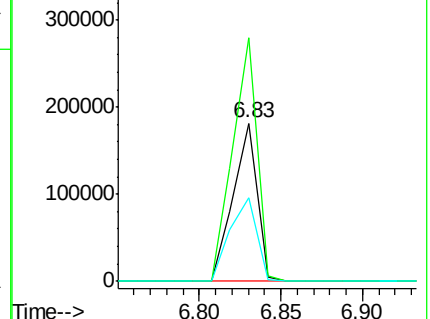
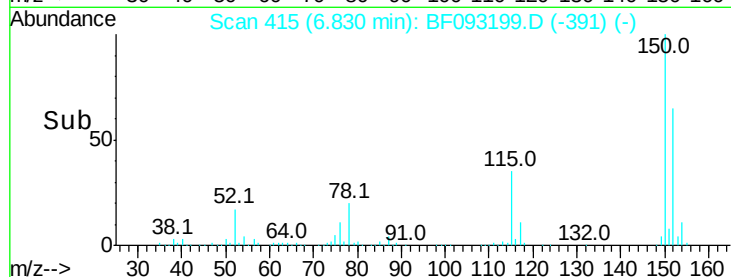
115 53.3 46.0 69.0



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: 81.63 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF093199.D

Acq: 27 Feb 2017 10:48

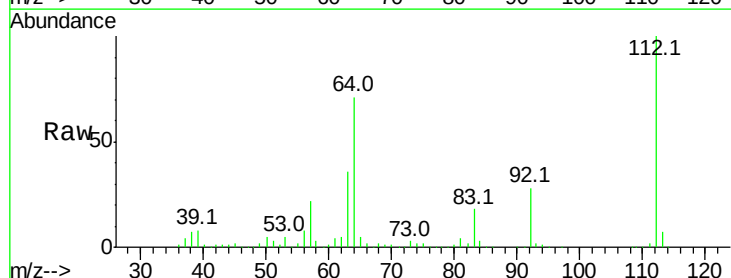
Tgt Ion:112 Resp: 867018

Ion Ratio Lower Upper

112 100

64 71.5 46.1 69.1#

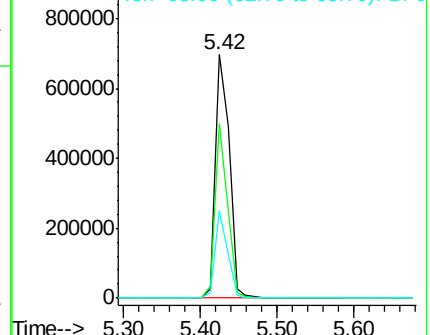
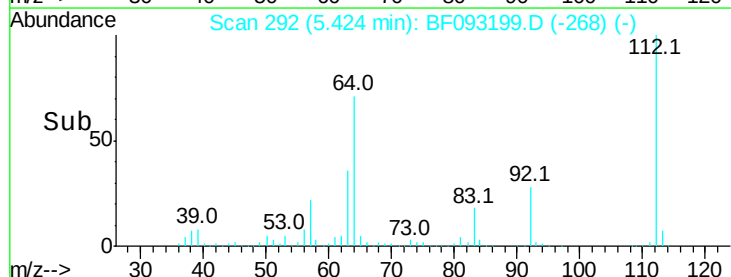
63 36.0 23.8 35.6#

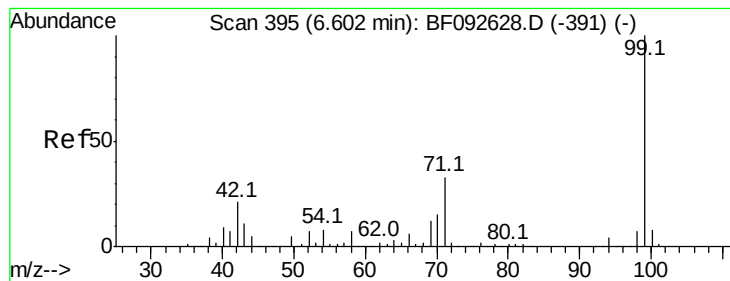


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 62.78 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093199.D

Acq: 27 Feb 2017 10:48

Instrument :

BNA_F

ClientSampled :

MW-8R

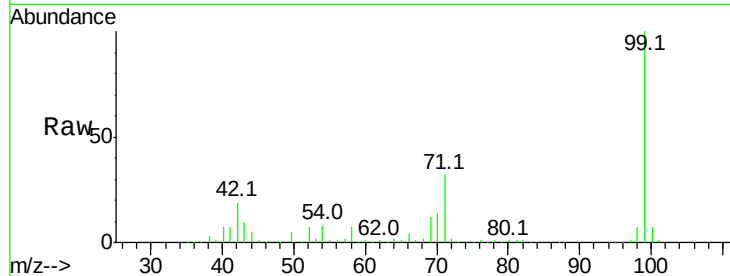
Tot Ion: 99 Resp: 857878

Ion Ratio Lower Upper

99 100

42 19.5 15.6 23.4

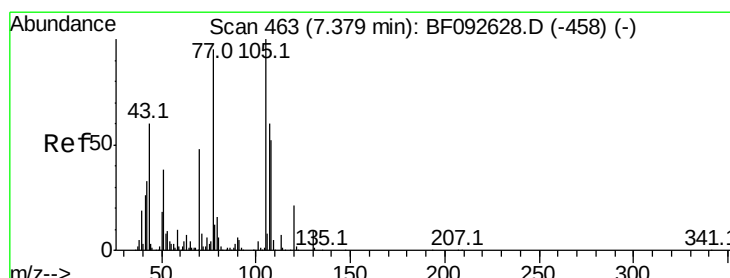
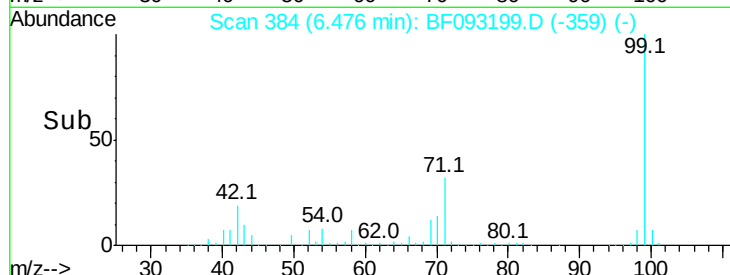
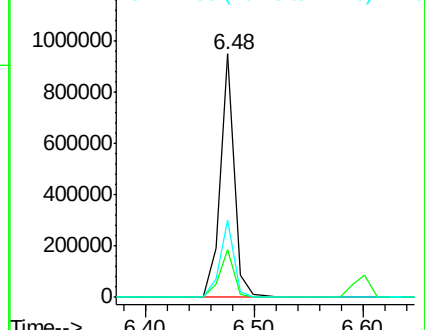
71 31.6 27.5 41.3



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: 15.63 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF093199.D

Acq: 27 Feb 2017 10:48

Tgt Ion: 70 Resp: 135991

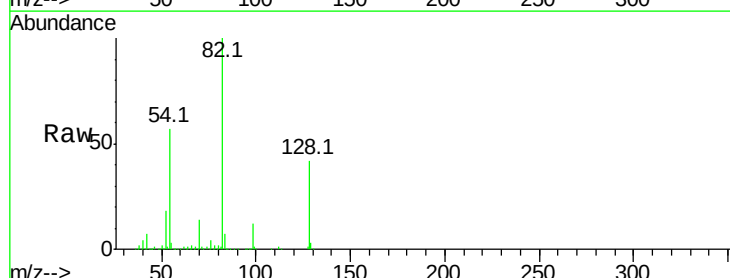
Ion Ratio Lower Upper

70 100

42 52.4 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

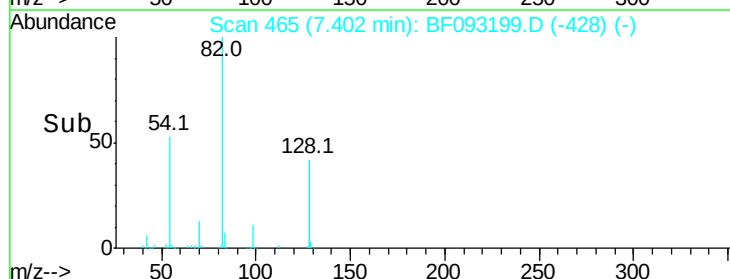
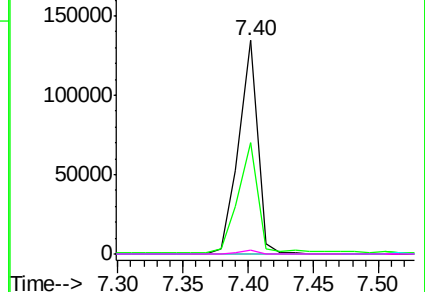


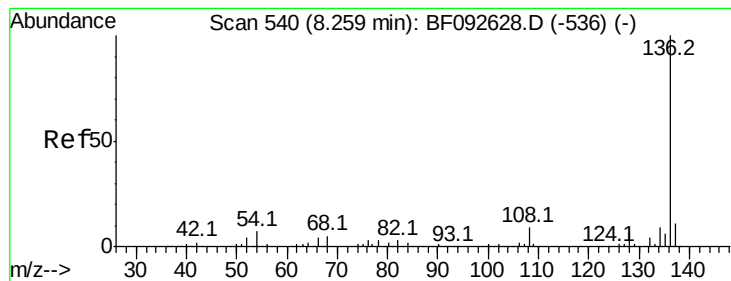
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

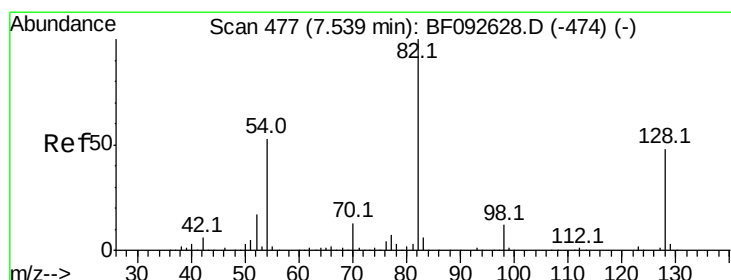
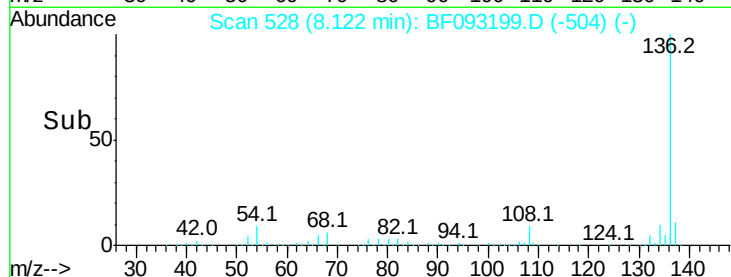
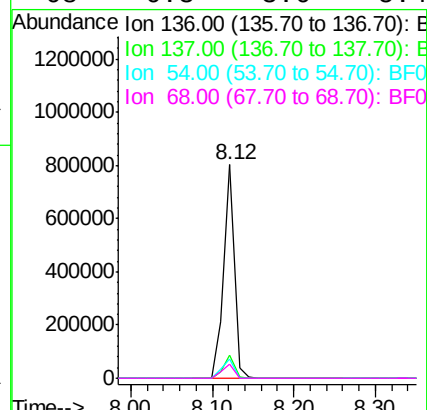
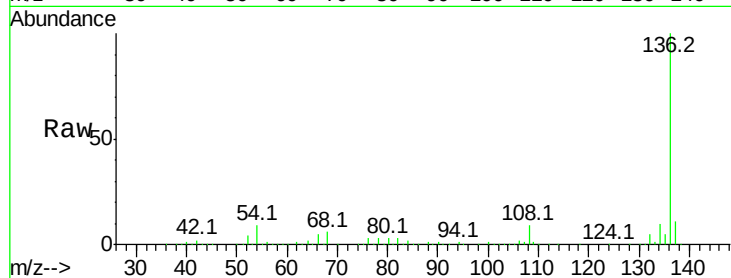




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093199.D
Acq: 27 Feb 2017 10:48

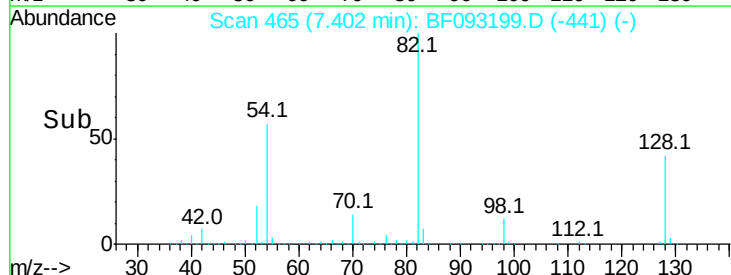
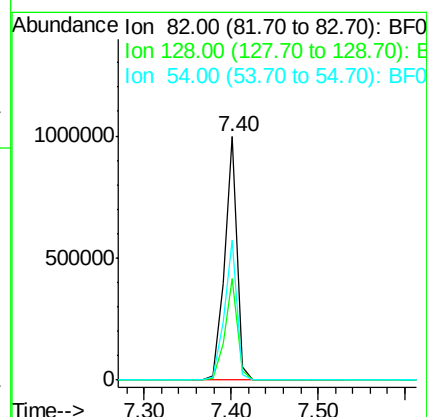
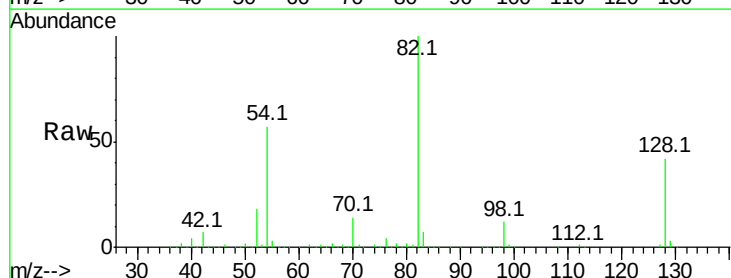
Instrument :
BNA_F
ClientSampleId :
MW-8R

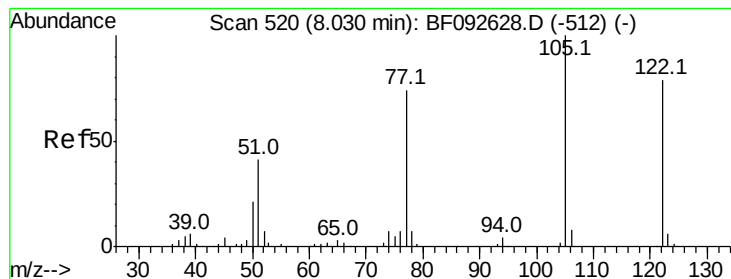
Tot Ion:136	Resp: 733732
Ion Ratio	Lower Upper
136 100	
137 10.9	8.4 12.6
54 9.0	4.5 6.7#
68 6.3	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 76.94 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093199.D
Acq: 27 Feb 2017 10:48

Tgt Ion: 82	Resp: 1013814
Ion Ratio	Lower Upper
82 100	
128 41.8	34.6 52.0
54 57.2	39.5 59.3





#32

Benzoic acid

Concen: 7.26 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.03 min

Lab File: BF093199.D

Acq: 27 Feb 2017 10:48

Instrument :

BNA_F

ClientSampleId :

MW-8R

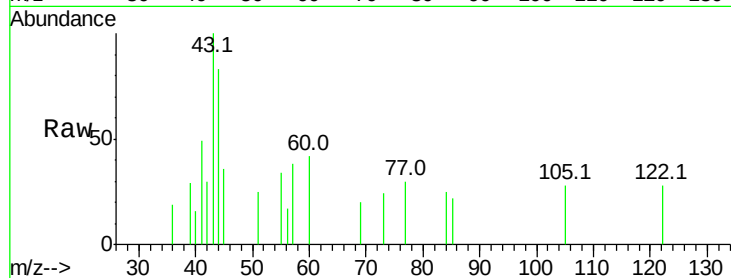
Tot Ion:122 Resp: 732

Ion Ratio Lower Upper

122 100

105 100.5 107.2 147.2#

77 107.7 74.5 114.5

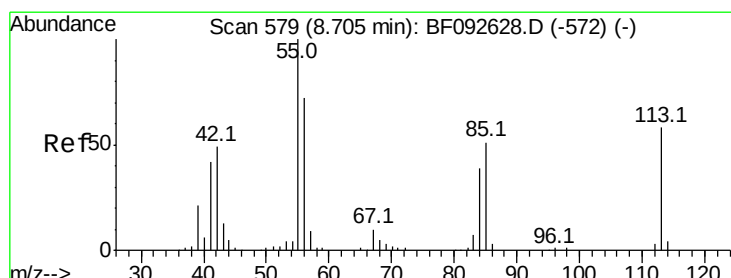
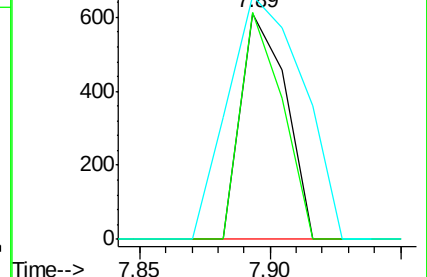
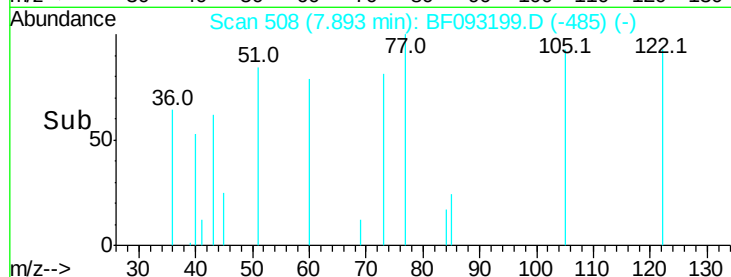


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

7.89



#35

Caprolactam

Concen: 5.41 ng

RT: 8.54 min Scan# 565

Delta R.T. -0.05 min

Lab File: BF093199.D

Acq: 27 Feb 2017 10:48

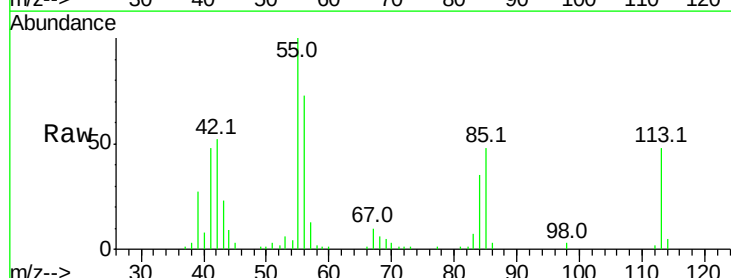
Tgt Ion:113 Resp: 17913

Ion Ratio Lower Upper

113 100

55 206.7 119.2 159.2#

56 150.4 83.8 123.8#

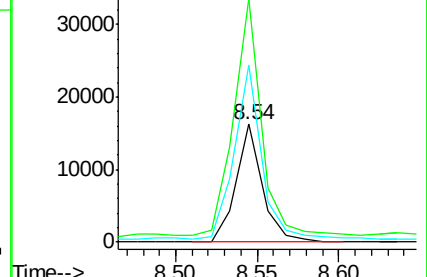
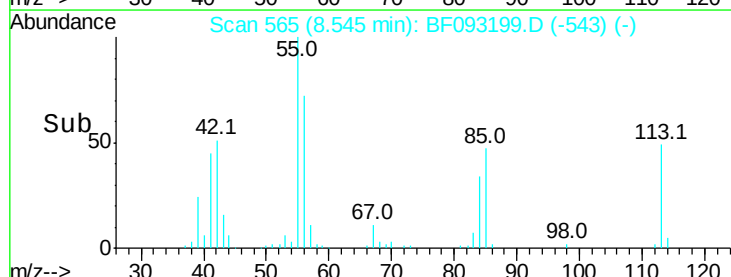


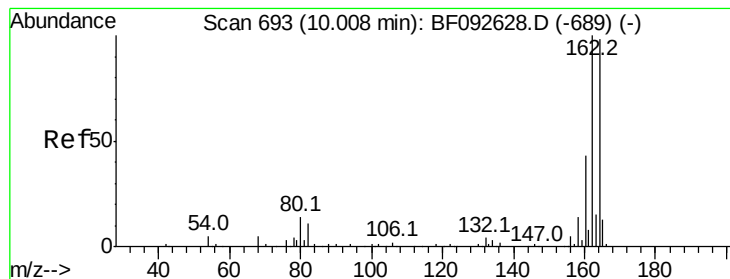
Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

8.54





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093199.D

Acq: 27 Feb 2017 10:48

Instrument :

BNA_F

ClientSampleId :

MW-8R

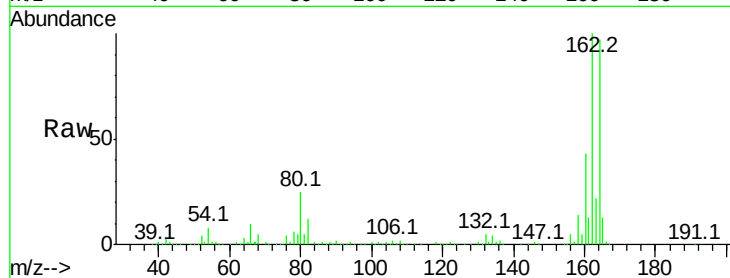
Tot Ion:164 Resp: 327054

Ion Ratio Lower Upper

164 100

162 103.0 80.2 120.2

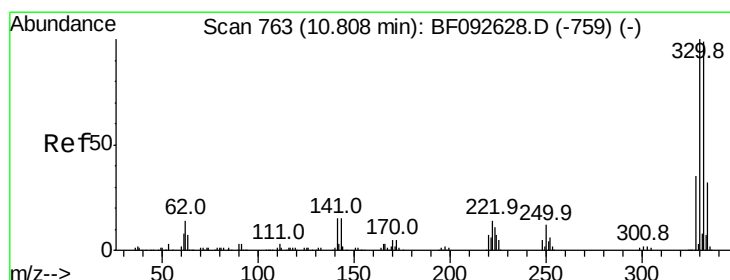
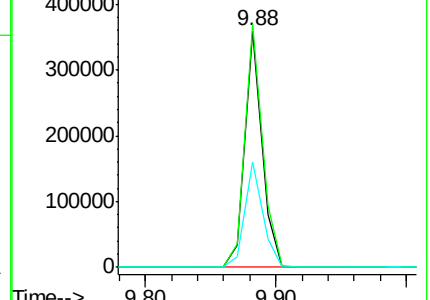
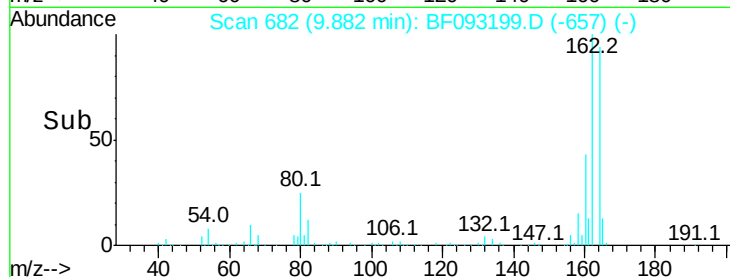
160 44.6 36.9 55.3



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: 130.61 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF093199.D

Acq: 27 Feb 2017 10:48

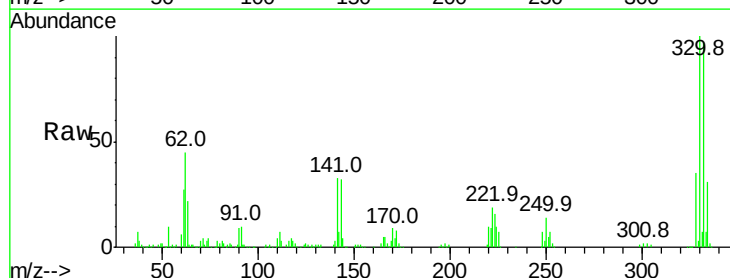
Tgt Ion:330 Resp: 308962

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.2

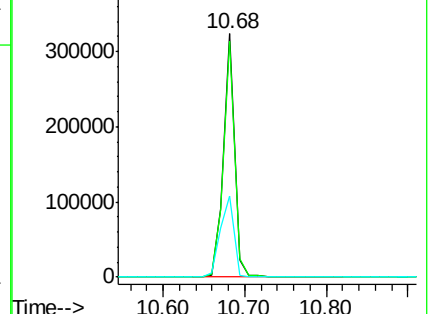
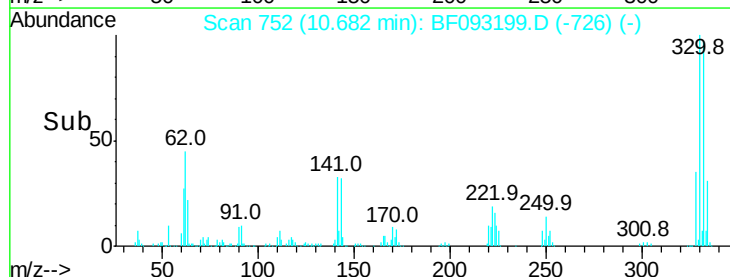
141 41.1 34.1 51.1

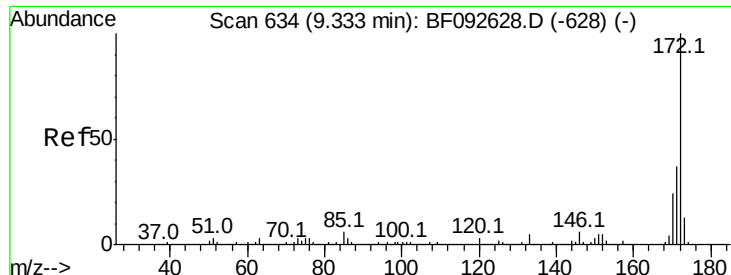


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



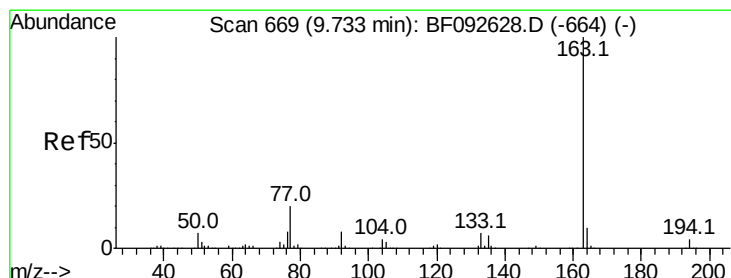
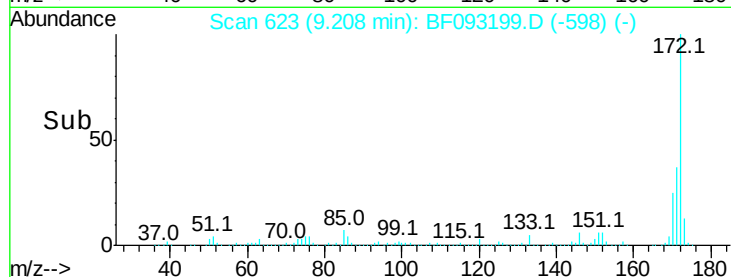
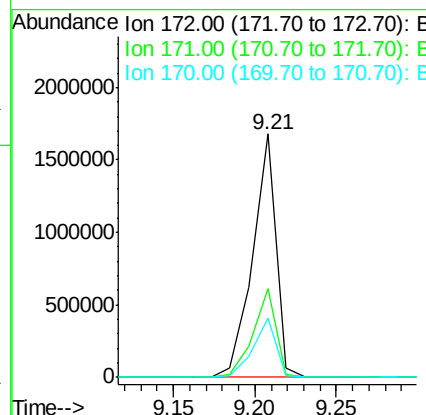
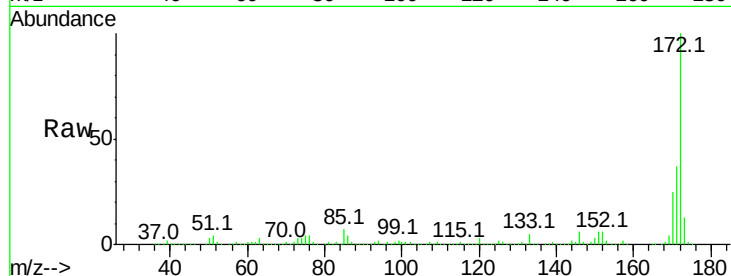


#44
 2-Fluorobiphenyl
 Concen: 92.44 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093199.D
 Acq: 27 Feb 2017 10:48

Instrument :
 BNA_F
 ClientSampleId :
 MW-8R

Tot Ion:172 Resp: 1668808

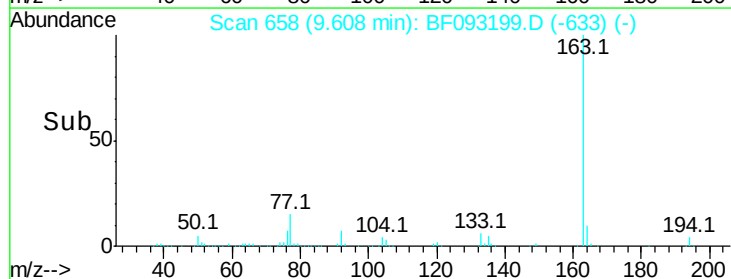
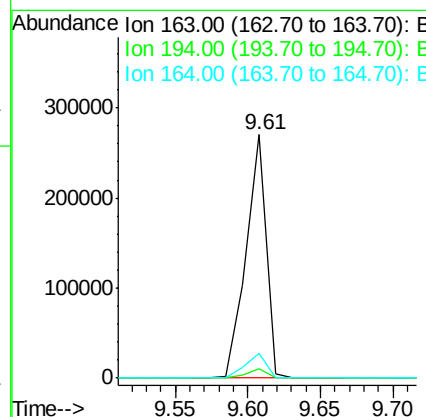
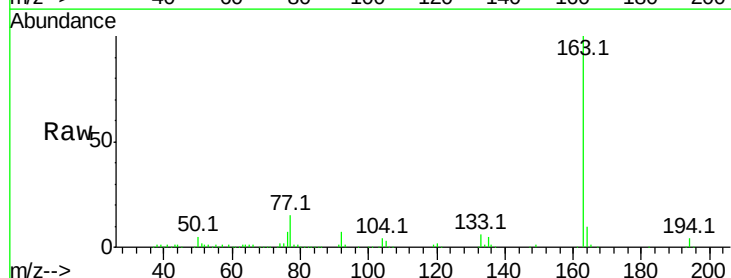
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.5	20.2	30.4

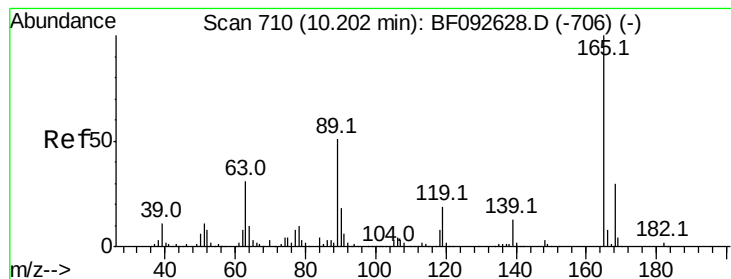


#49
 Dimethylphthalate
 Concen: 11.89 ng
 RT: 9.61 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF093199.D
 Acq: 27 Feb 2017 10:48

Tgt Ion:163 Resp: 261953

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.9	8.0	12.0





#56

2,4-Dinitrotoluene

Concen: 6.86 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.21 min

Lab File: BF093199.D

Acq: 27 Feb 2017 10:48

Instrument :

BNA_F

ClientSampleId :

MW-8R

Tot Ion:165 Resp: 43464

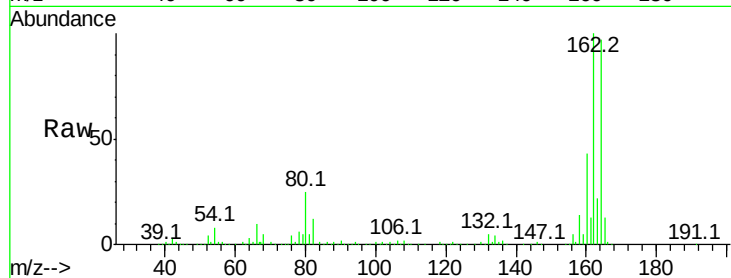
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 1.4 62.5 93.7#

182 0.0 1.8 2.8#

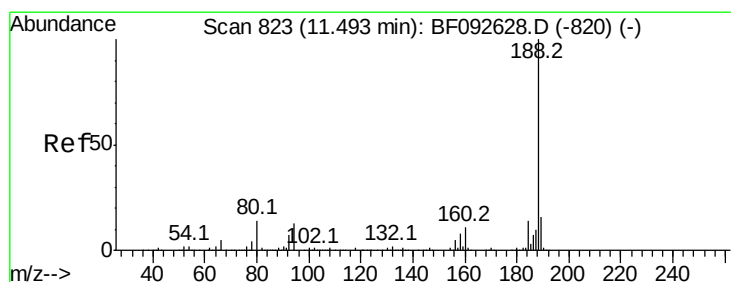
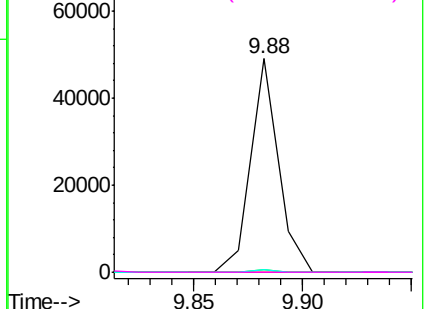
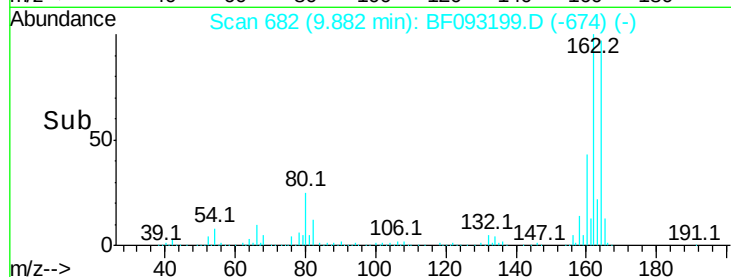


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF093199.D

Acq: 27 Feb 2017 10:48

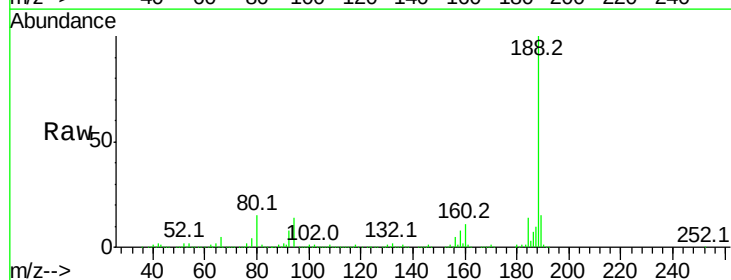
Tgt Ion:188 Resp: 581567

Ion Ratio Lower Upper

188 100

94 14.1 10.0 15.0

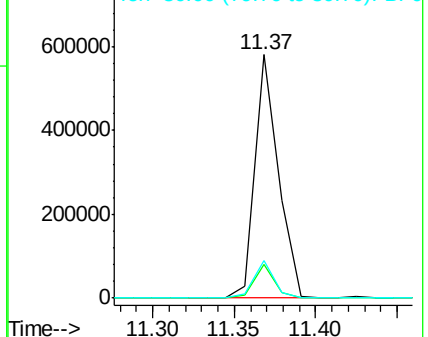
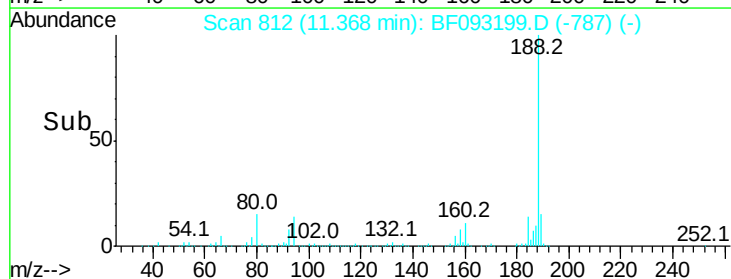
80 15.3 11.2 16.8

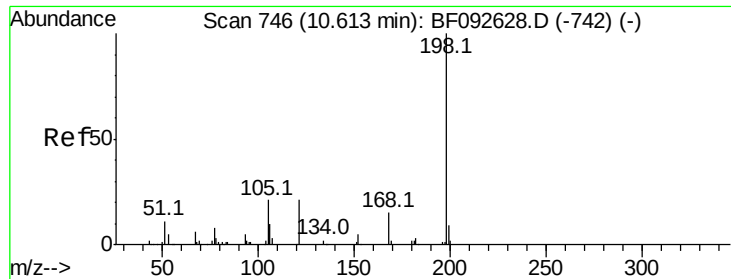


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

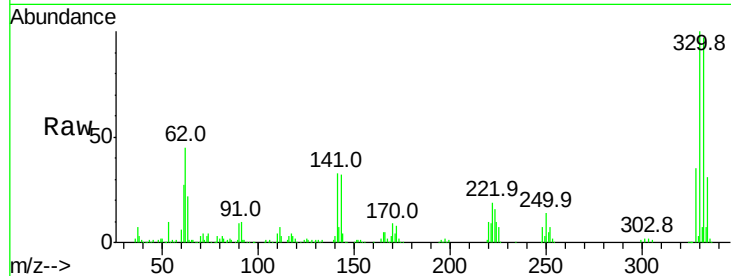




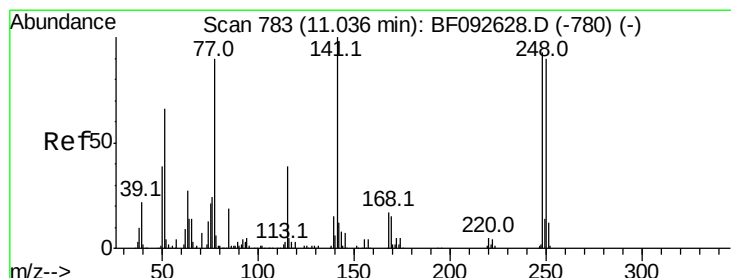
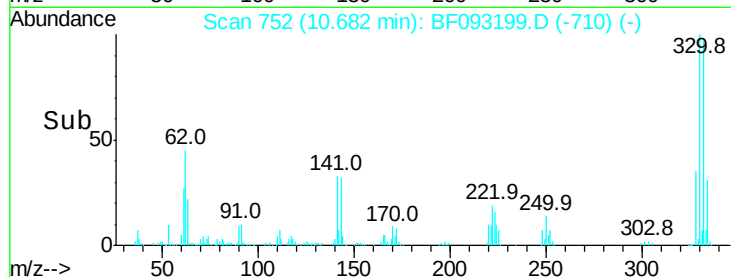
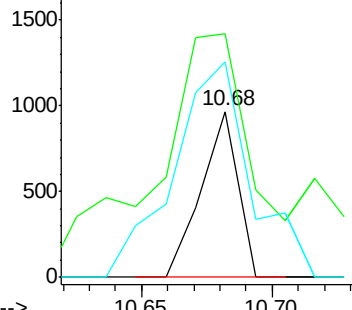
#64
4,6-Dinitro-2-methylphenol
Concen: 2.92 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.18 min
Lab File: BF093199.D
Acq: 27 Feb 2017 10:48

Instrument :
BNA_F
ClientSampleId :
MW-8R

Tot Ion:198 Resp: 942
Ion Ratio Lower Upper
198 100
51 146.7 6.7 46.7#
105 129.5 16.6 56.6#

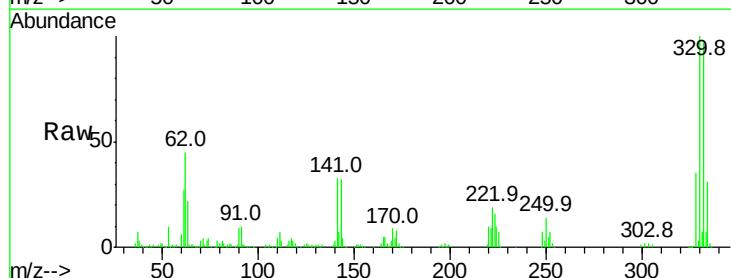


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

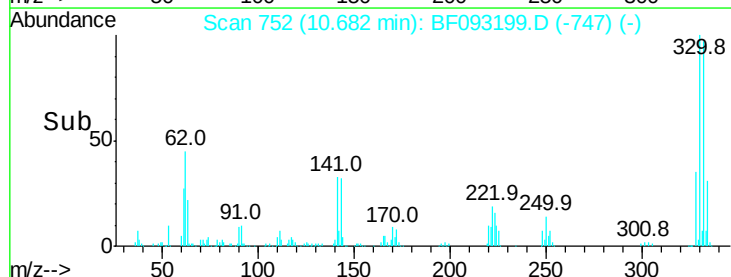
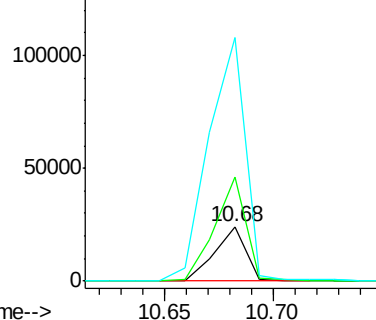


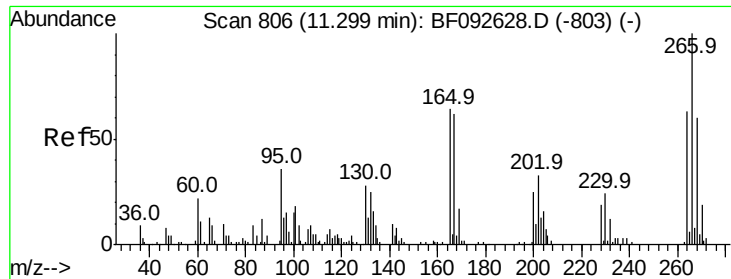
#66
4-Bromophenyl-phenylether
Concen: 3.96 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.24 min
Lab File: BF093199.D
Acq: 27 Feb 2017 10:48

Tgt Ion:248 Resp: 24041
Ion Ratio Lower Upper
248 100
250 190.0 76.9 115.3#
141 445.0 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

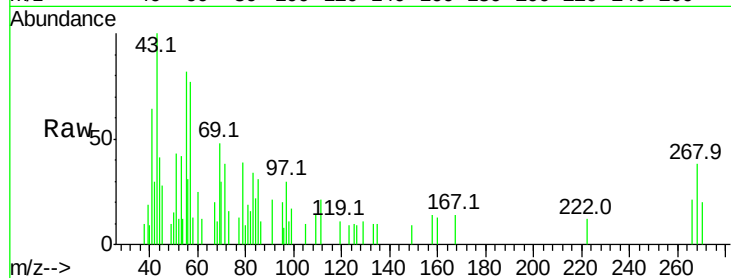




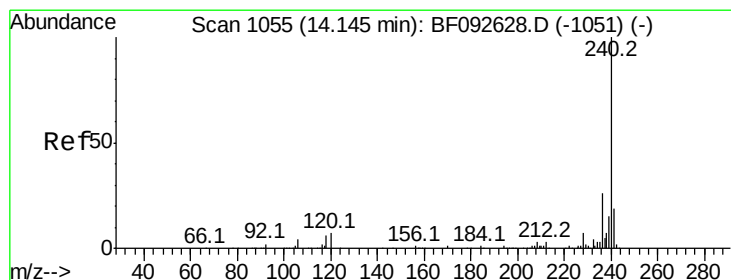
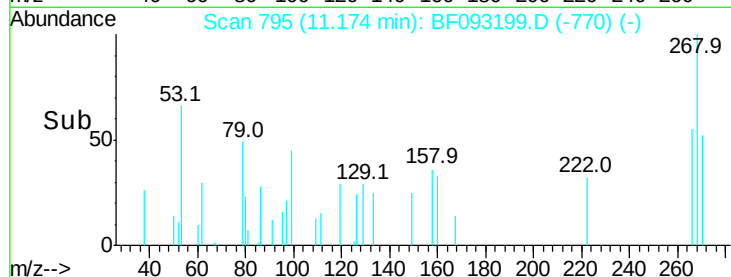
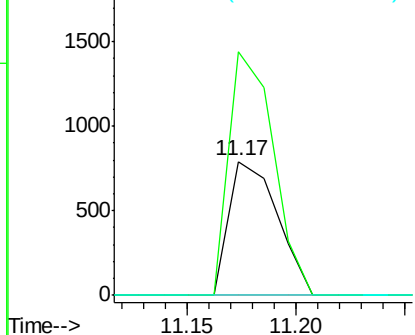
#69
 Pentachlorophenol
 Concen: 7.56 ng
 RT: 11.17 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF093199.D
 Acq: 27 Feb 2017 10:48

Instrument :
 BNA_F
 ClientSampleId :
 MW-8R

Tot Ion	Ratio	Lower	Upper
266	100		
268	181.9	53.3	79.9#
264	0.0	50.3	75.5#

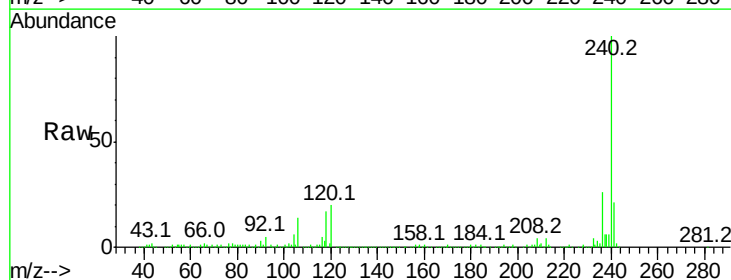


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

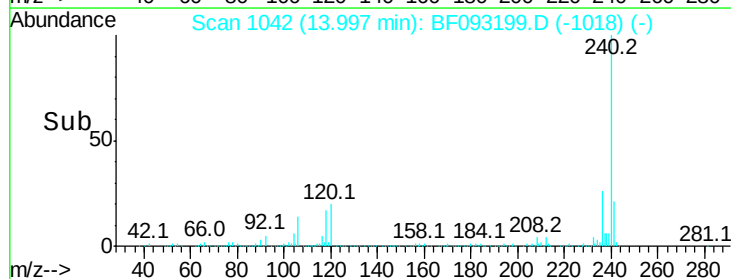
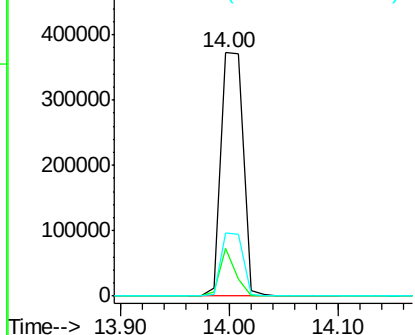


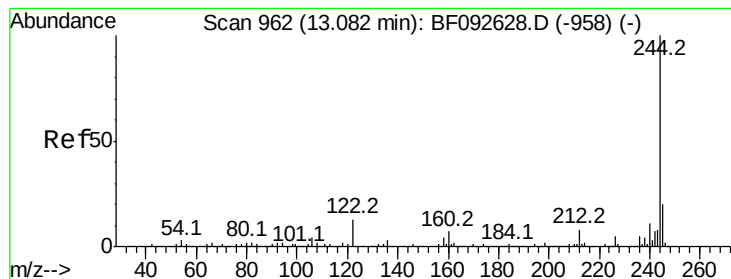
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.02 min
 Lab File: BF093199.D
 Acq: 27 Feb 2017 10:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.5	12.9	19.3#
236	25.9	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: 64.80 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093199.D

Acq: 27 Feb 2017 10:48

Instrument :

BNA_F

ClientSampleId :

MW-8R

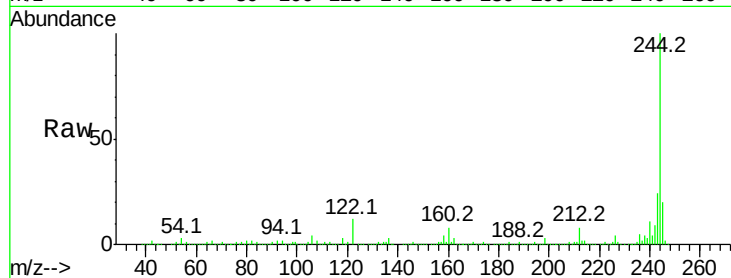
Tot Ion:244 Resp: 1455330

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

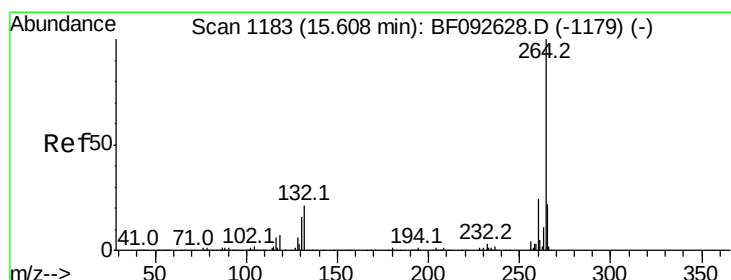
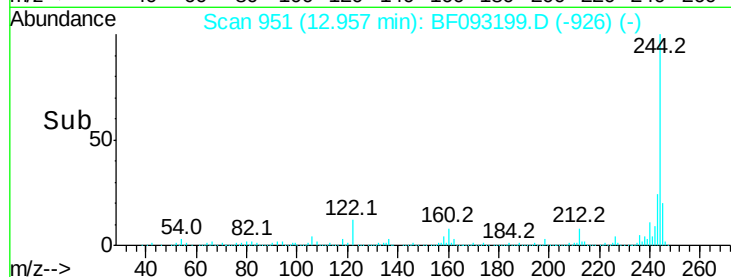
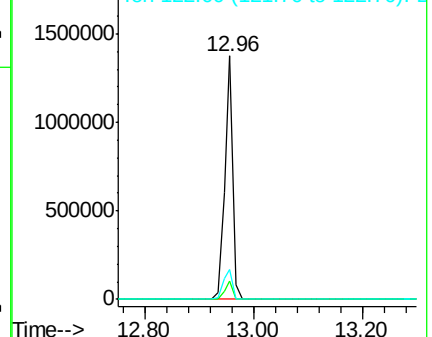
122 12.4 11.4 17.2



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: 15.43 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF093199.D

Acq: 27 Feb 2017 10:48

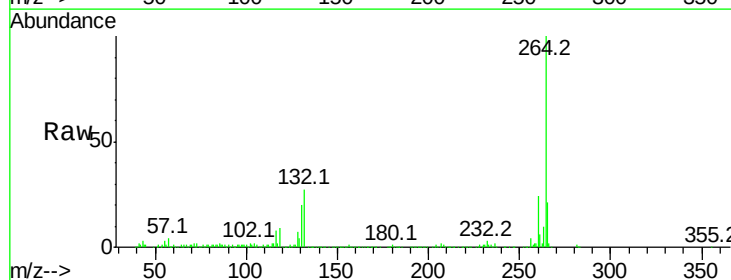
Tgt Ion:264 Resp: 396205

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.2 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

