

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040417\
 Data File : BF094178.D
 Acq On : 4 Apr 2017 20:21
 Operator : SJ/MA
 Sample : I2516-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Quant Time: Apr 05 00:58:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

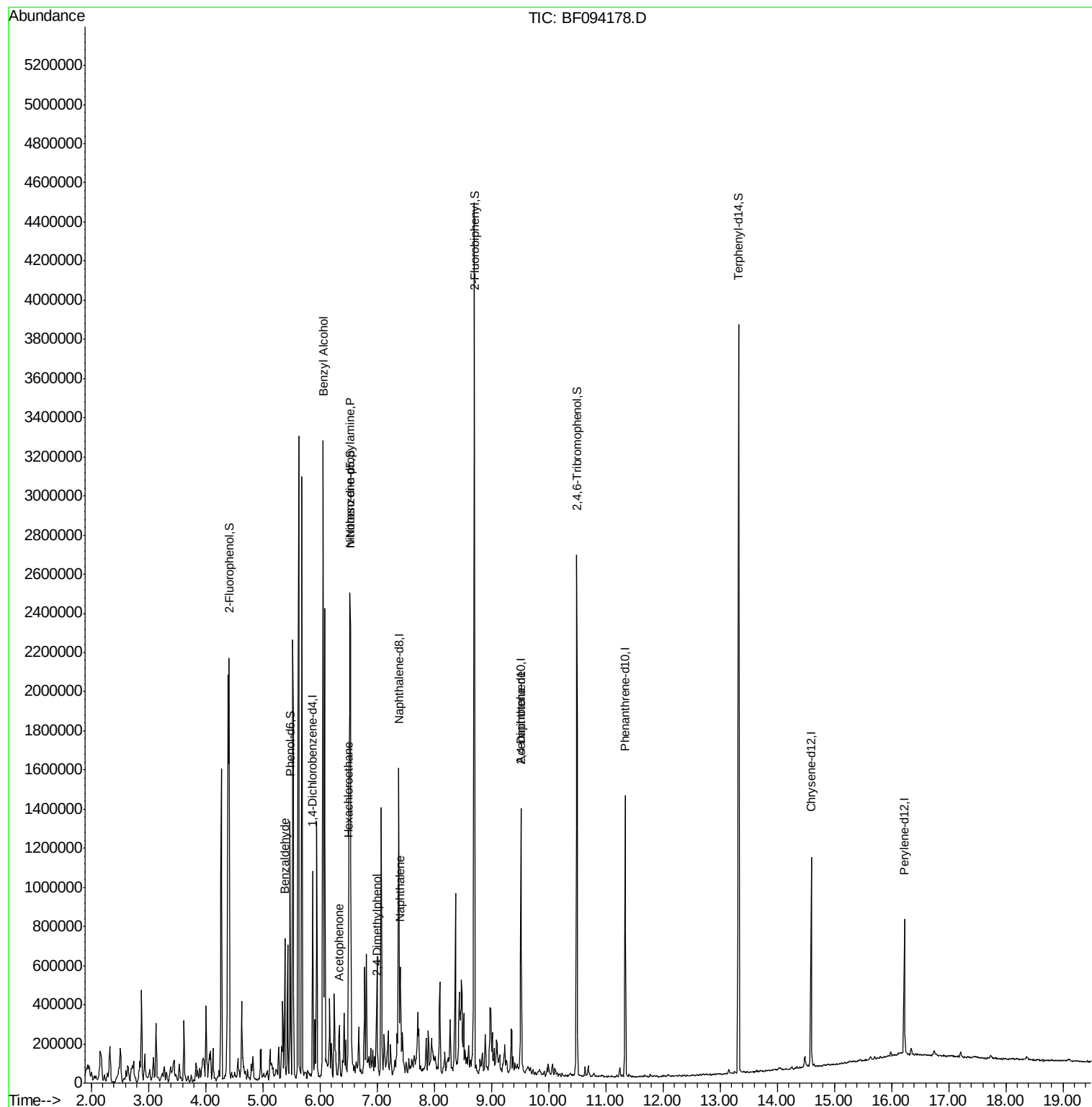
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.87	152	168514	20.00	ng	-0.03
21) Naphthalene-d8	7.38	136	672103	20.00	ng	-0.03
38) Acenaphthene-d10	9.52	164	313097	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	557460	20.00	ng	-0.03
75) Chrysene-d12	14.60	240	436947	20.00	ng	-0.03
86) Perylene-d12	16.23	264	281486	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	622157	62.36	ng	-0.02
7) Phenol-d6	5.48	99	497067	40.27	ng	-0.03
23) Nitrobenzene-d5	6.53	82	1018846	86.51	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	384773	155.52	ng	-0.02
44) 2-Fluorobiphenyl	8.70	172	1839729	89.62	ng	-0.03
78) Terphenyl-d14	13.33	244	1588365	81.48	ng	-0.02
Target Compounds						
9) Benzaldehyde	5.39	77	27849	3.34	ng	# 1
15) Benzyl Alcohol	6.05	79	20579	2.28	ng	# 48
18) Hexachloroethane	6.50	117	79000	18.04	ng	# 29
19) n-Nitroso-di-n-propylamine	6.53	70	140101	17.66	ng	# 77
22) Acetophenone	6.34	105	97305	6.50	ng	# 54
27) 2,4-Dimethylphenol	7.01	122	22201	2.33	ng	95
31) Naphthalene	7.40	128	237671	7.35	ng	99
56) 2,4-Dinitrotoluene	9.52	165	41052	6.41	ng	# 34

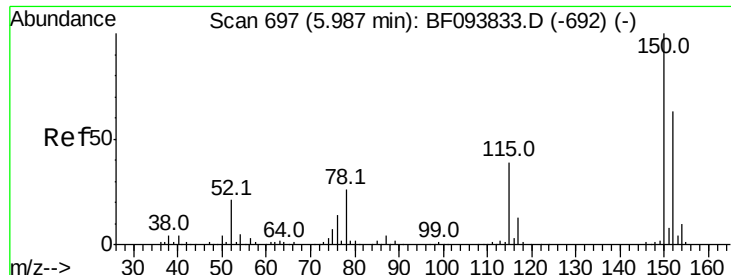
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.87 min Scan# 678

Delta R.T. -0.03 min

Lab File: BF094178.D

Acq: 4 Apr 2017 20:21

Instrument :

BNA_F

ClientSampleId :

MW-1

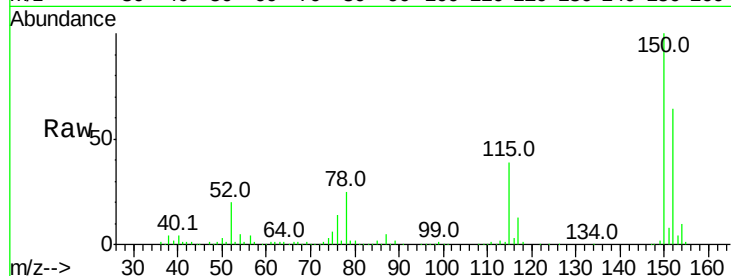
Tot Ion:152 Resp: 168514

Ion Ratio Lower Upper

152 100

150 156.7 126.2 189.2

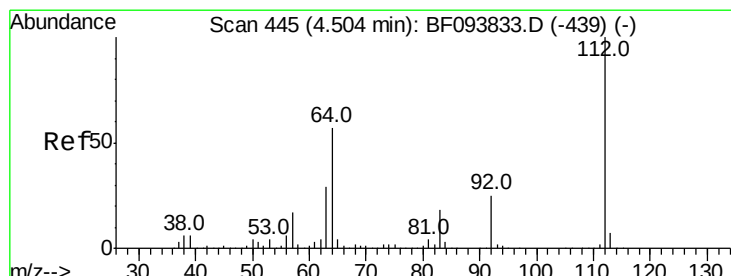
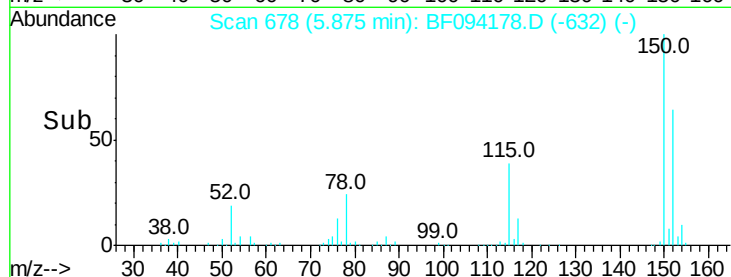
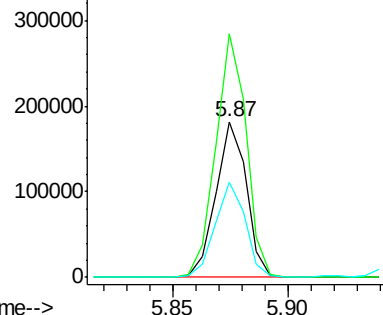
115 61.2 52.2 78.2



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: 62.36 ng

RT: 4.42 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF094178.D

Acq: 4 Apr 2017 20:21

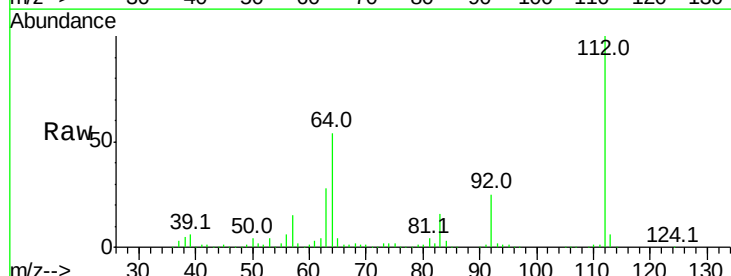
Tgt Ion:112 Resp: 622157

Ion Ratio Lower Upper

112 100

64 53.8 46.0 69.0

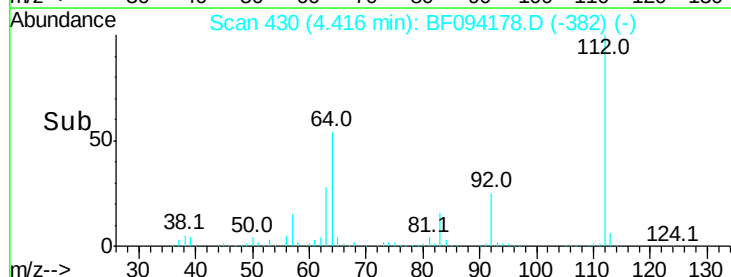
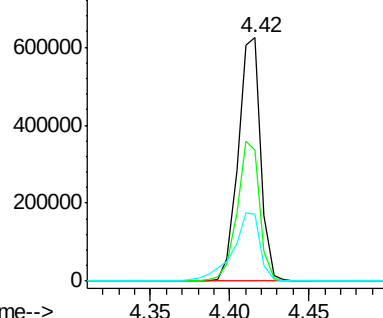
63 27.6 23.4 35.0

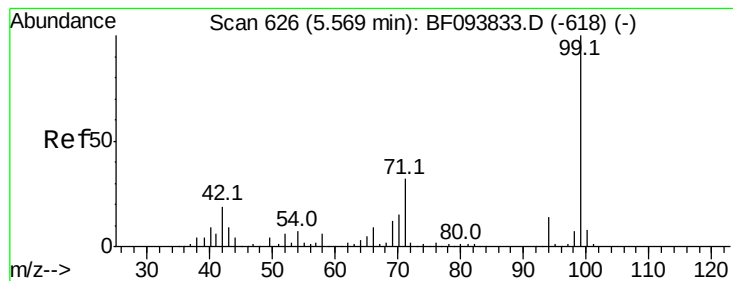


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.27 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.03 min

Lab File: BF094178.D

Acq: 4 Apr 2017 20:21

Instrument :

BNA_F

ClientSampleId :

MW-1

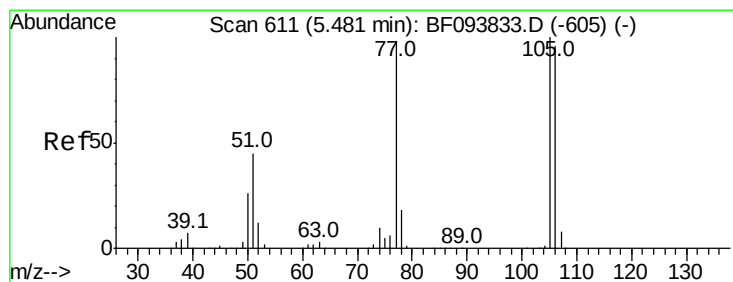
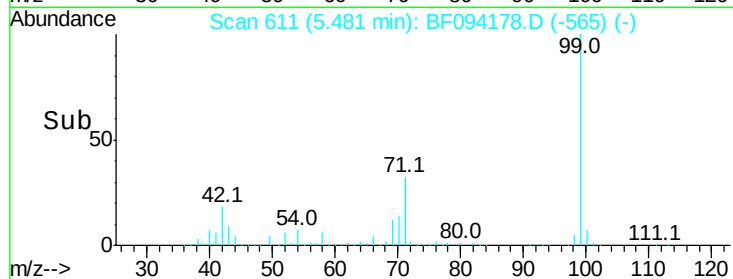
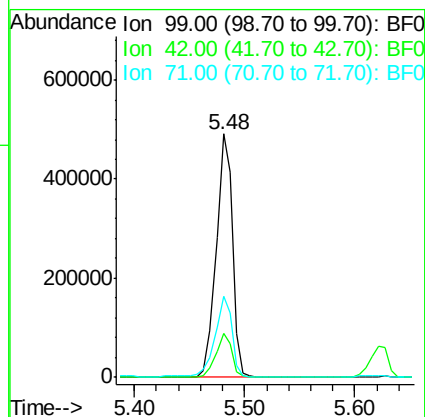
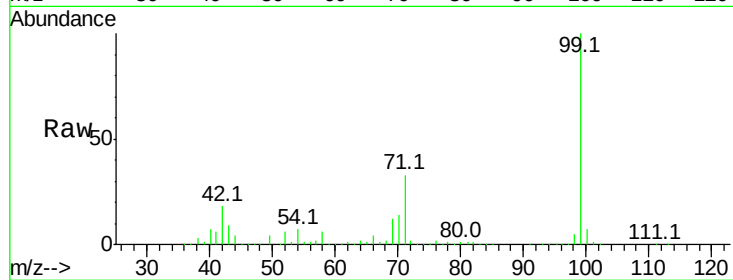
Tot Ion: 99 Resp: 497067

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

71 33.2 24.5 36.7



#9

Benzaldehyde

Concen: 3.34 ng

RT: 5.39 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF094178.D

Acq: 4 Apr 2017 20:21

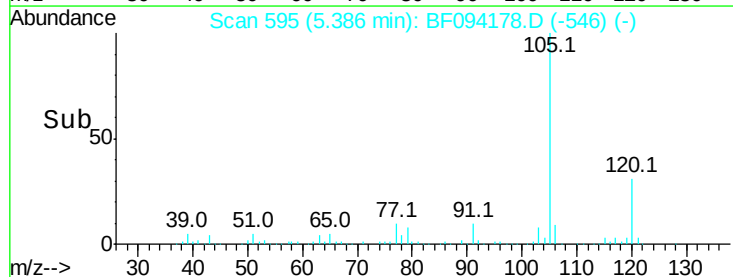
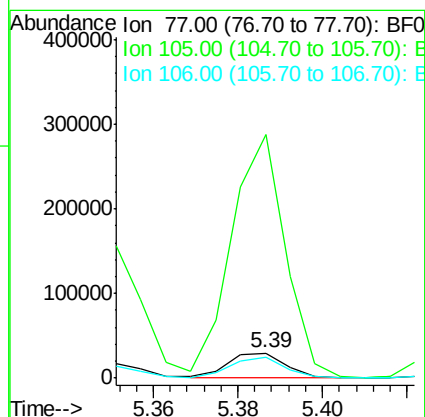
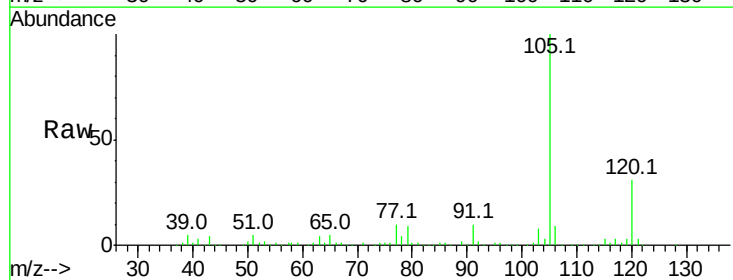
Tgt Ion: 77 Resp: 27849

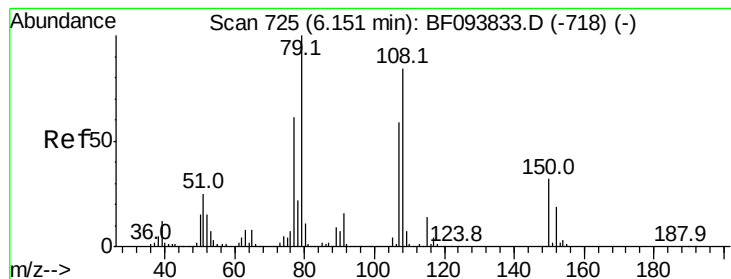
Ion Ratio Lower Upper

77 100

105 964.3 83.8 123.8#

106 85.2 79.1 119.1





#15

Benzyl Alcohol

Concen: 2.28 ng

RT: 6.05 min Scan# 708

Delta R.T. -0.02 min

Lab File: BF094178.D

Acq: 4 Apr 2017 20:21

Instrument :

BNA_F

ClientSampled :

MW-1

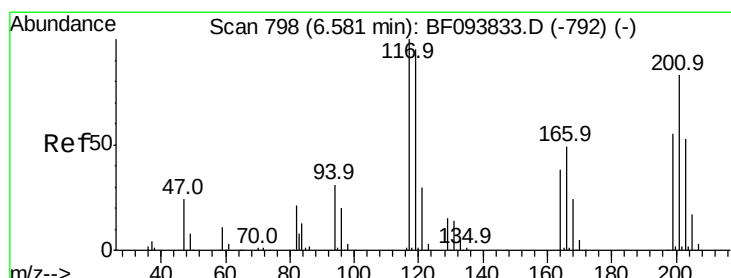
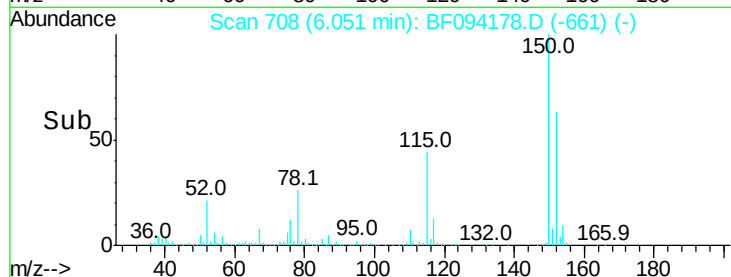
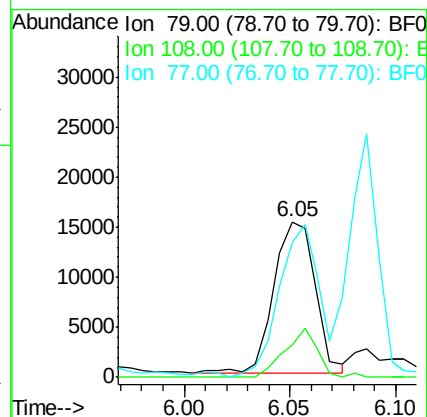
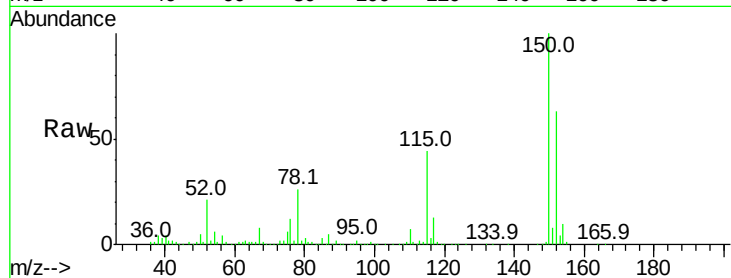
Tot Ion: 79 Resp: 20579

Ion Ratio Lower Upper

79 100

108 20.5 63.4 95.0#

77 86.6 49.2 73.8#



#18

Hexachloroethane

Concen: 18.04 ng

RT: 6.50 min Scan# 784

Delta R.T. 0.01 min

Lab File: BF094178.D

Acq: 4 Apr 2017 20:21

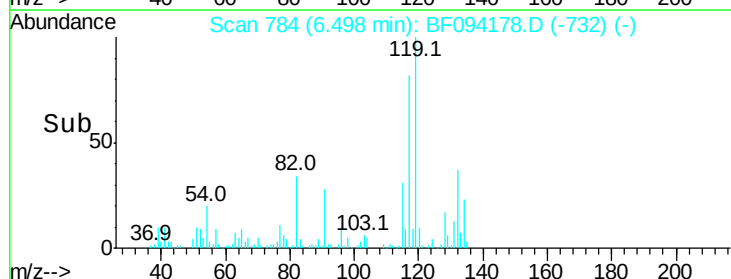
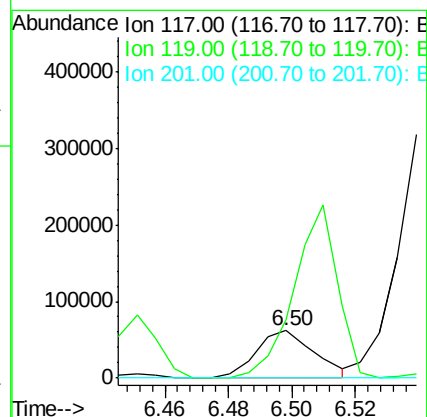
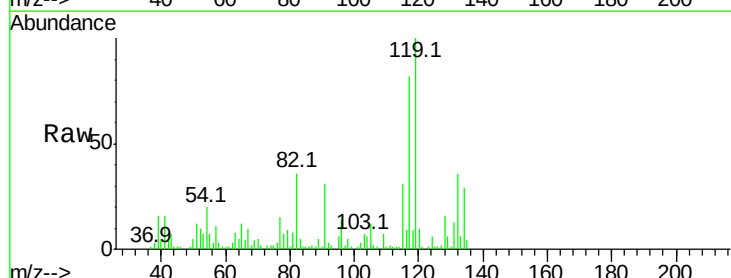
Tgt Ion: 117 Resp: 79000

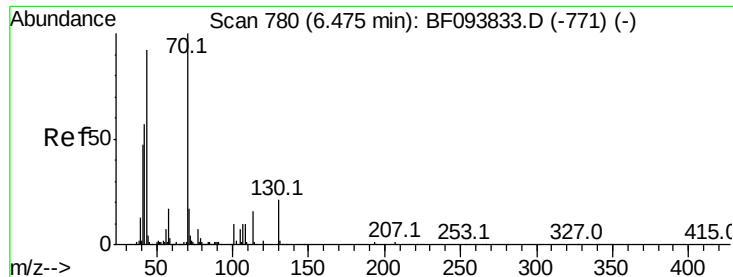
Ion Ratio Lower Upper

117 100

119 122.0 77.4 116.0#

201 0.0 94.6 141.8#

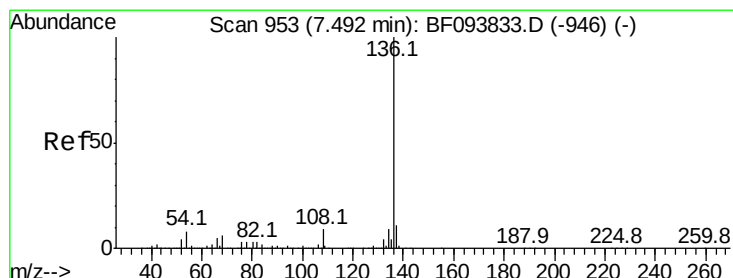
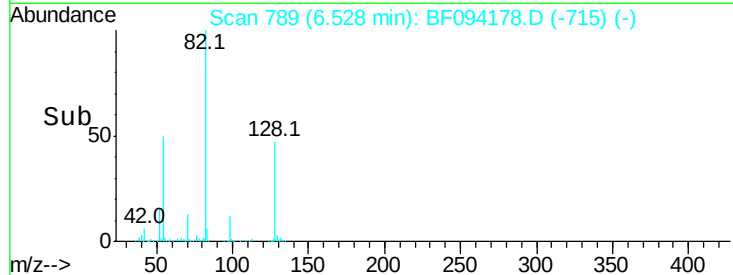
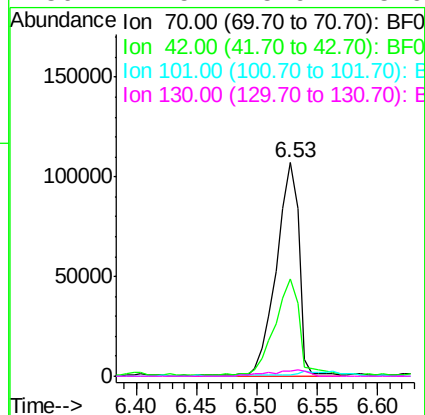
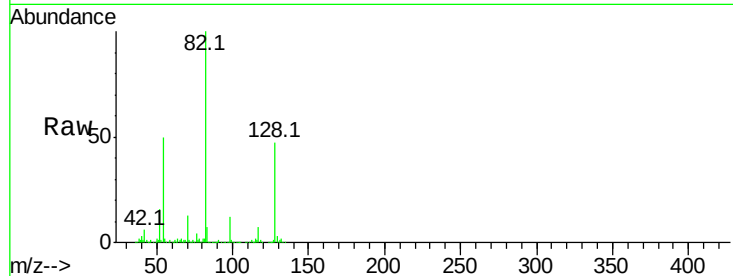




#19
n-Nitroso-di-n-propylamine
Concen: 17.66 ng
RT: 6.53 min Scan# 789
Delta R.T. 0.14 min
Lab File: BF094178.D
Acq: 4 Apr 2017 20:21

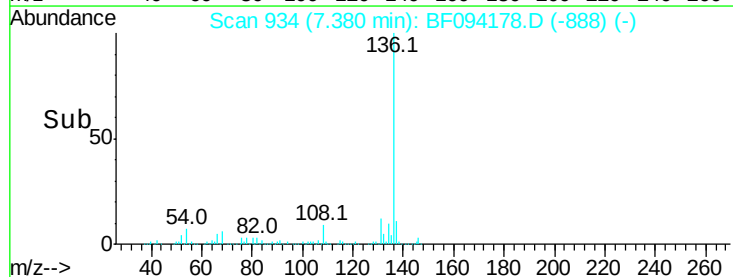
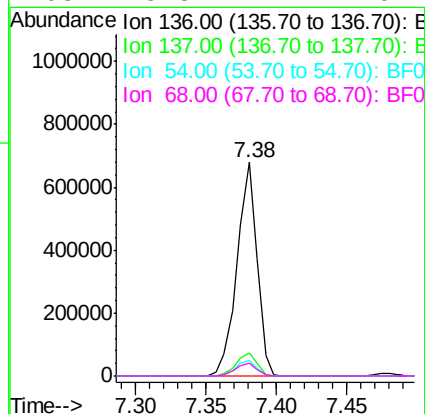
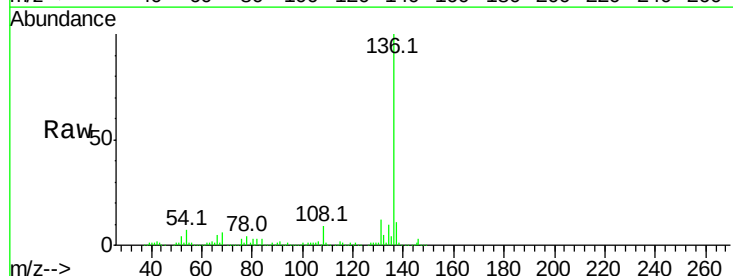
Instrument :
BNA_F
ClientSampleId :
MW-1

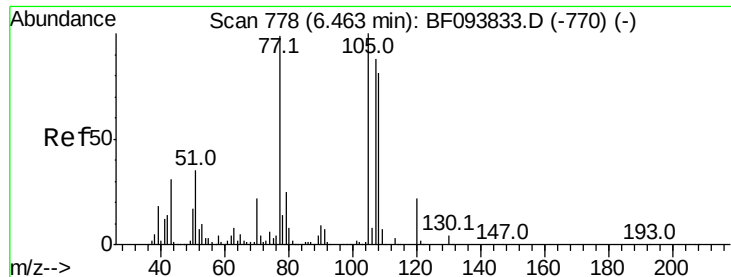
Tot Ion:	70	Resp:	140101
Ion	Ratio	Lower	Upper
70	100		
42	45.3	47.2	70.8#
101	0.8	7.2	10.8#
130	2.5	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.38 min Scan# 934
Delta R.T. -0.03 min
Lab File: BF094178.D
Acq: 4 Apr 2017 20:21

Tgt Ion:	136	Resp:	672103
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.1	4.9	7.3
68	5.8	4.1	6.1





#22

Acetophenone

Concen: 6.50 ng

RT: 6.34 min Scan# 757

Delta R.T. -0.04 min

Lab File: BF094178.D

Acq: 4 Apr 2017 20:21

Instrument :

BNA_F

ClientSampleId :

MW-1

Tot Ion:105 Resp: 97305

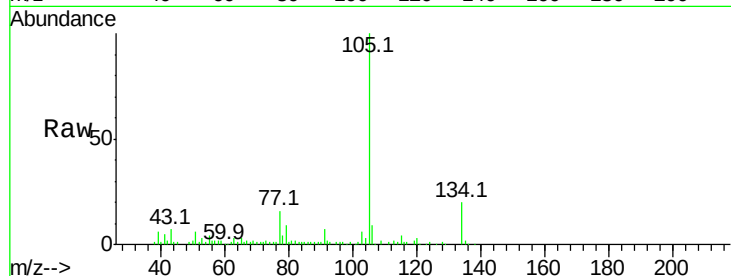
Ion Ratio Lower Upper

105 100

71 1.3 2.8 4.2#

51 6.3 30.7 46.1#

120 2.6 17.4 26.0#

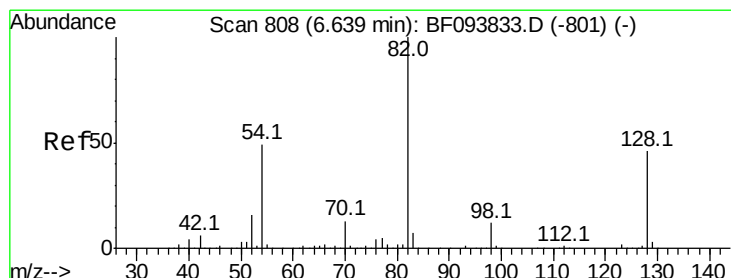
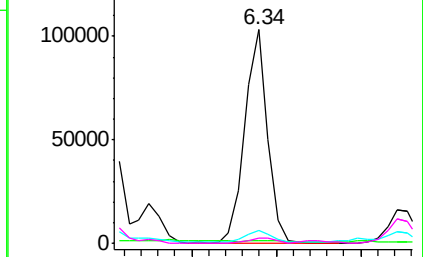
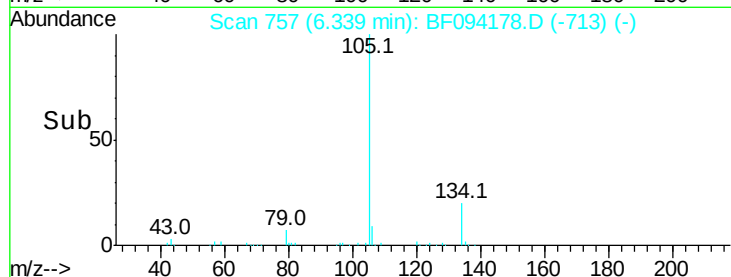


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 86.51 ng

RT: 6.53 min Scan# 789

Delta R.T. -0.03 min

Lab File: BF094178.D

Acq: 4 Apr 2017 20:21

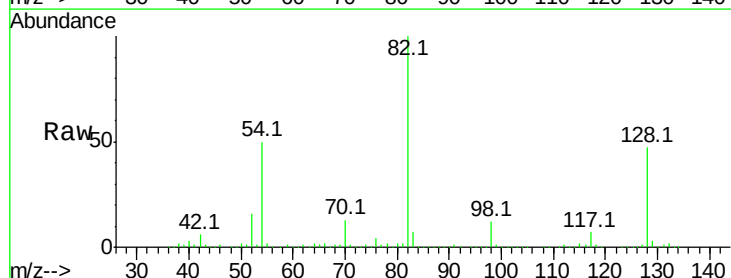
Tgt Ion: 82 Resp: 1018846

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

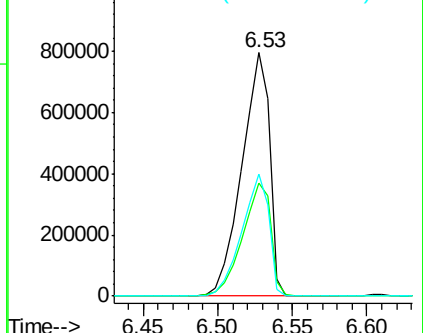
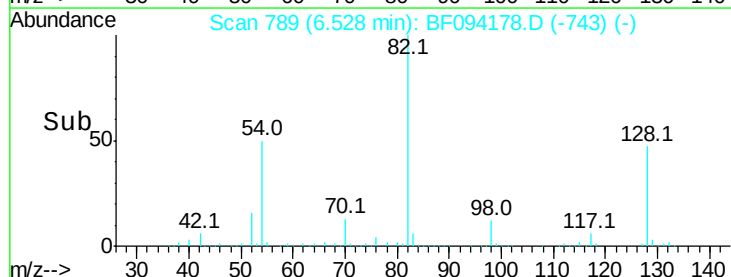
54 50.0 42.2 63.2

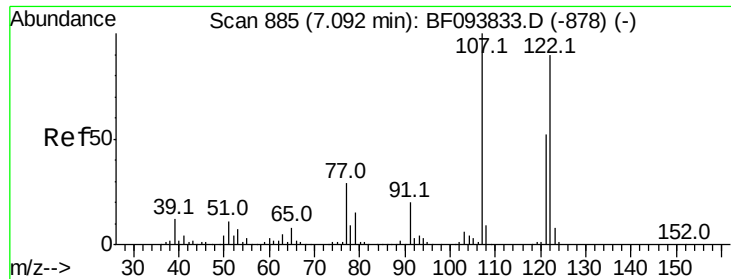


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 2.33 ng

RT: 7.01 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF094178.D

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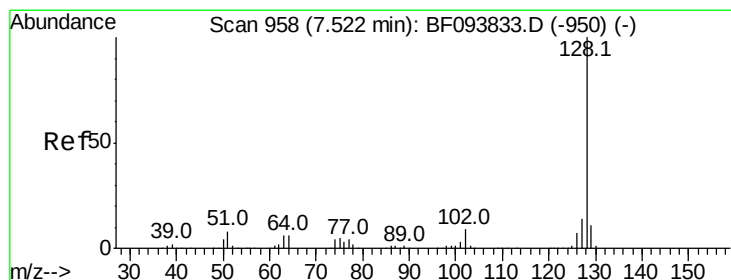
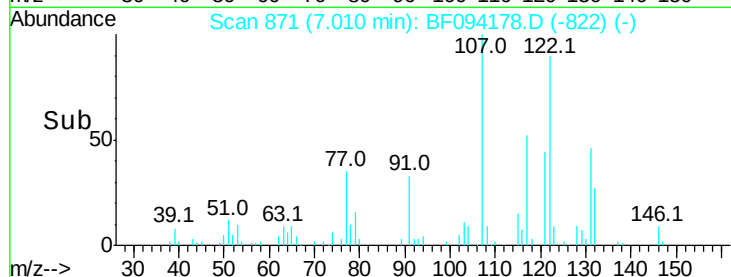
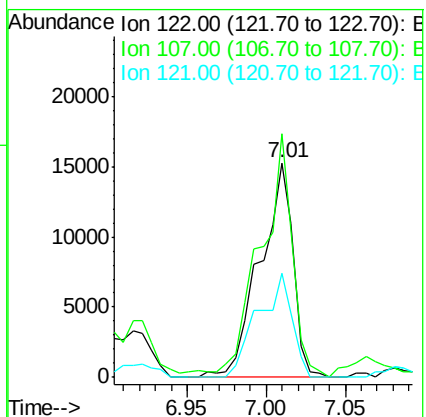
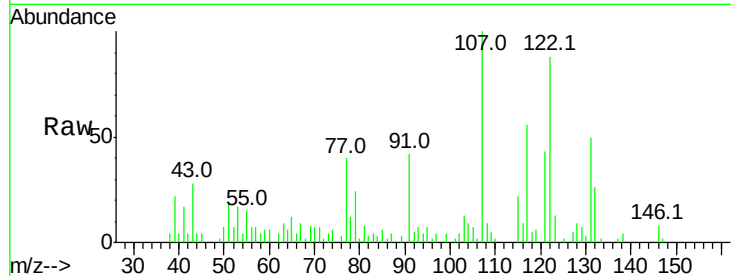
Tot Ion:122 Resp: 22201

Ion Ratio Lower Upper

122 100

107 113.5 89.2 133.8

121 48.7 45.2 67.8



#31

Naphthalene

Concen: 7.35 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.03 min

Lab File: BF094178.D

Acq: 4 Apr 2017 20:21

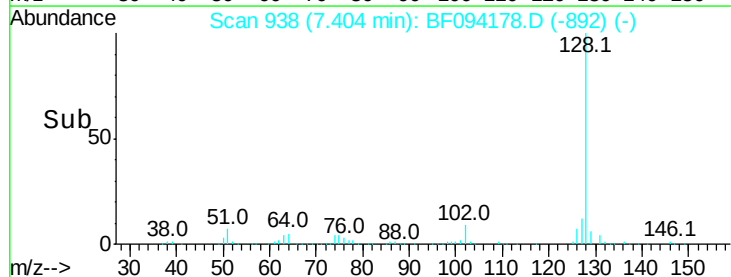
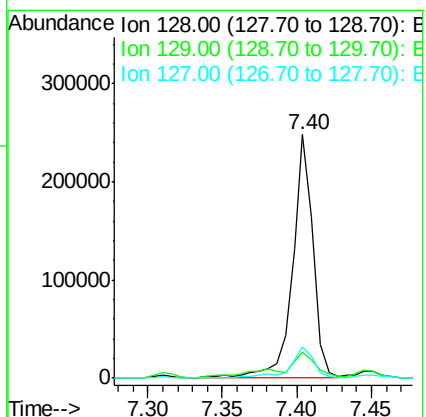
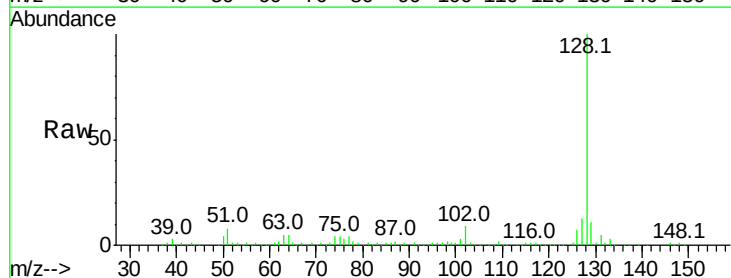
Tgt Ion:128 Resp: 237671

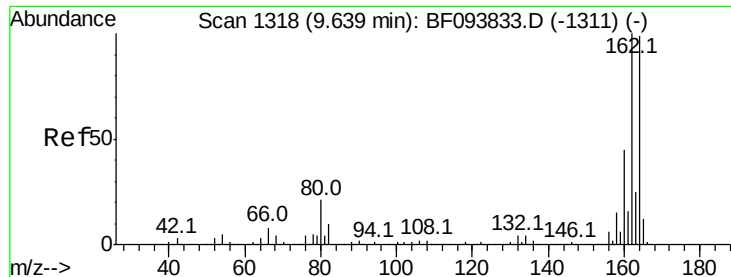
Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

127 12.7 10.8 16.2

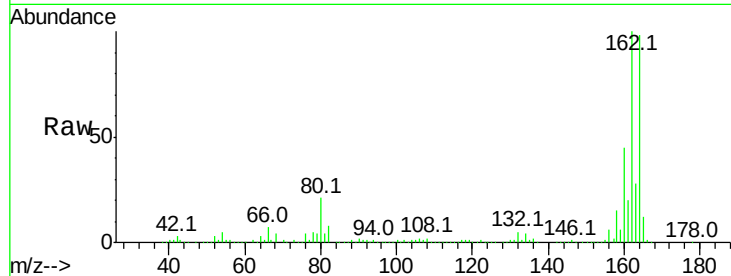




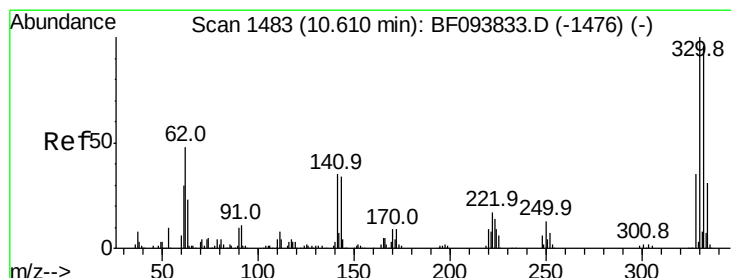
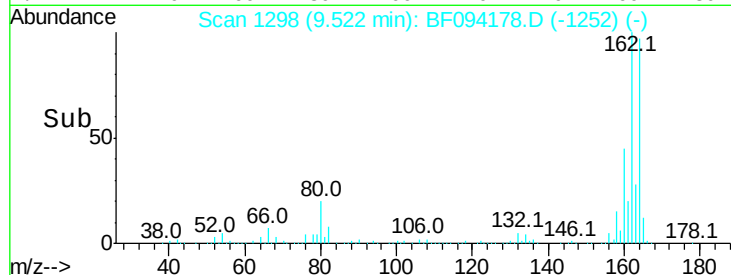
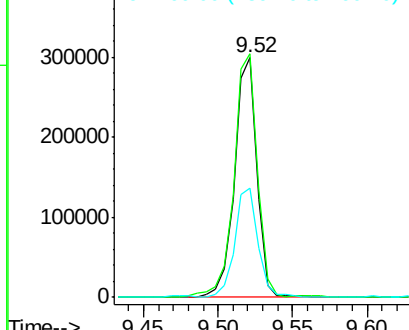
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.52 min Scan# 1298
Delta R.T. -0.03 min
Lab File: BF094178.D
Acq: 4 Apr 2017 20:21

Instrument :
BNA_F
ClientSampleId :
MW-1

Tot Ion:164 Resp: 313097
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 45.8 36.2 54.2

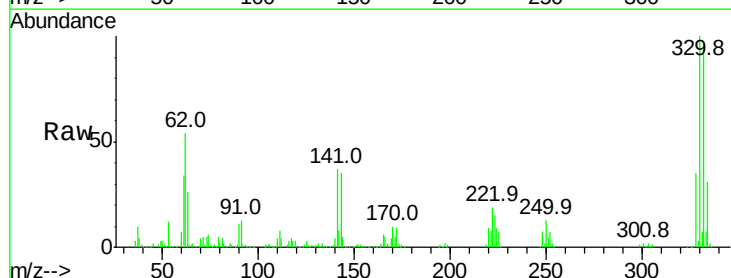


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

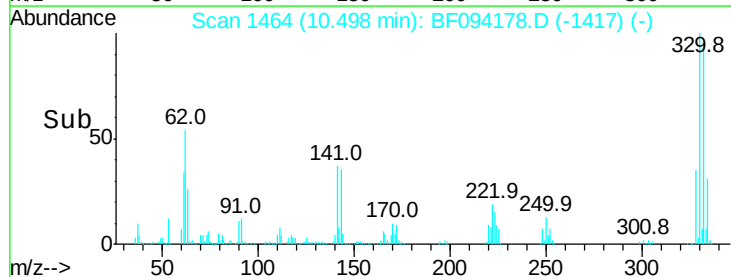
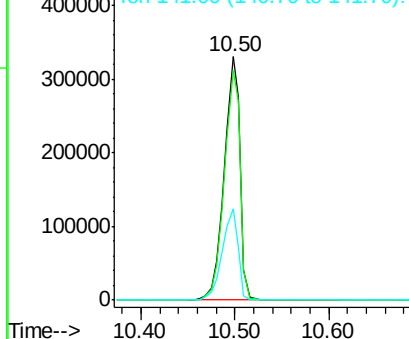


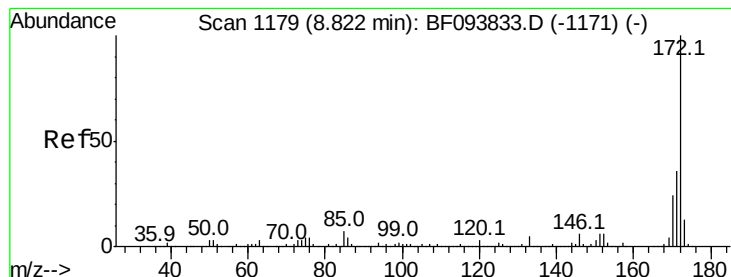
#41
2,4,6-Tribromophenol
Concen: 155.52 ng
RT: 10.50 min Scan# 1464
Delta R.T. -0.02 min
Lab File: BF094178.D
Acq: 4 Apr 2017 20:21

Tgt Ion:330 Resp: 384773
Ion Ratio Lower Upper
330 100
332 95.0 76.6 115.0
141 38.0 31.4 47.2



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: 89.62 ng

RT: 8.70 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF094178.D

Acq: 4 Apr 2017 20:21

Instrument :

BNA_F

ClientSampleId :

MW-1

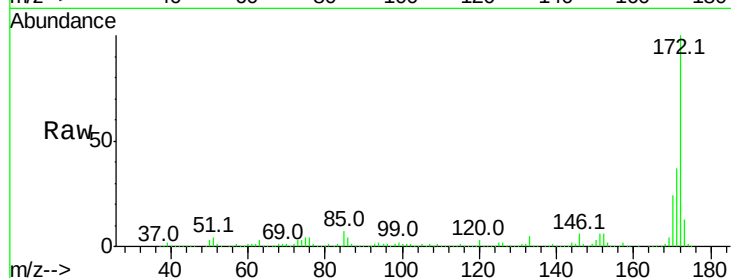
Tot Ion:172 Resp: 1839729

Ion Ratio Lower Upper

172 100

171 37.0 29.6 44.4

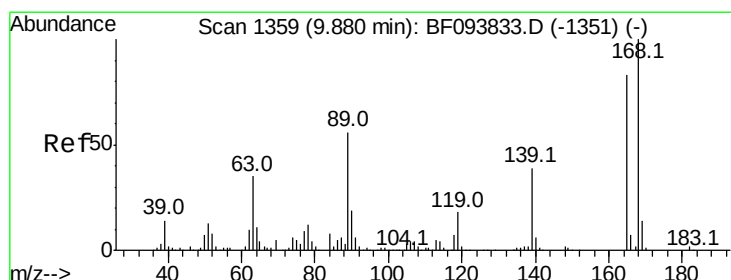
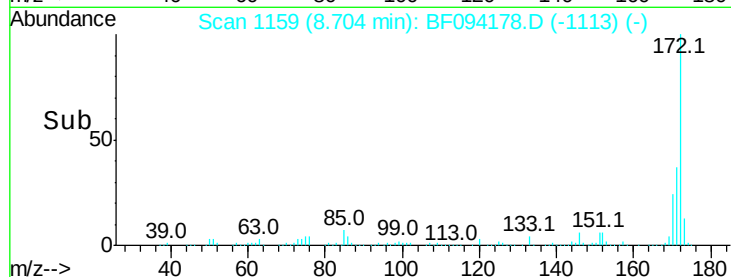
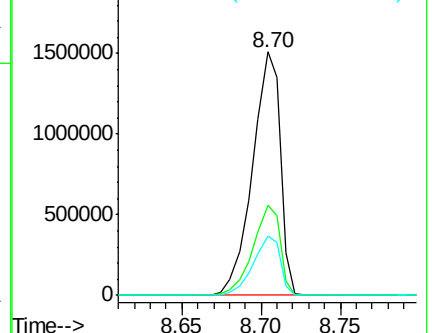
170 24.2 19.8 29.8



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



#56

2,4-Dinitrotoluene

Concen: 6.41 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.28 min

Lab File: BF094178.D

Acq: 4 Apr 2017 20:21

Tgt Ion:165 Resp: 41052

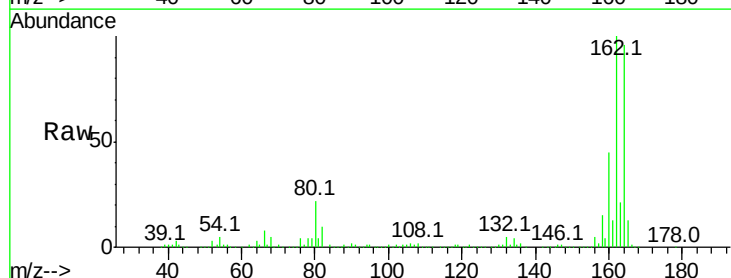
Ion Ratio Lower Upper

165 100

63 1.8 25.4 38.0#

89 2.5 46.4 69.6#

182 0.0 1.8 2.6#

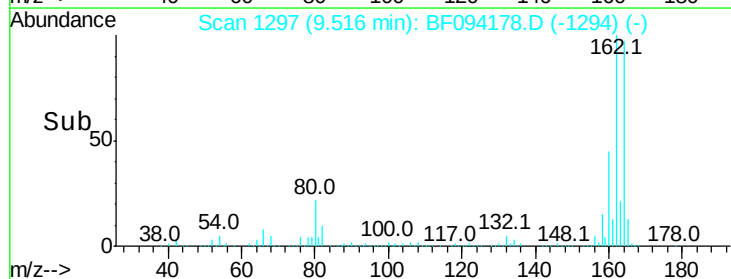
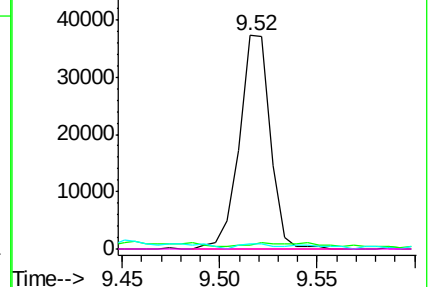


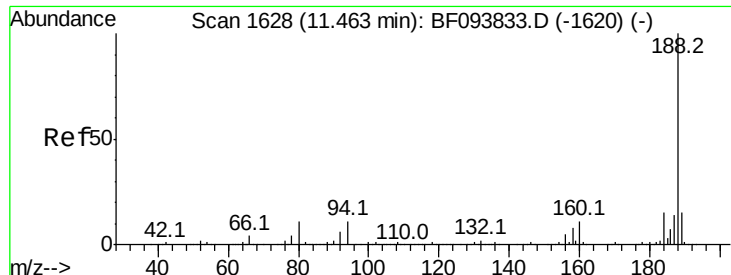
Abundance Ion 165.00 (164.70 to 165.70): E

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

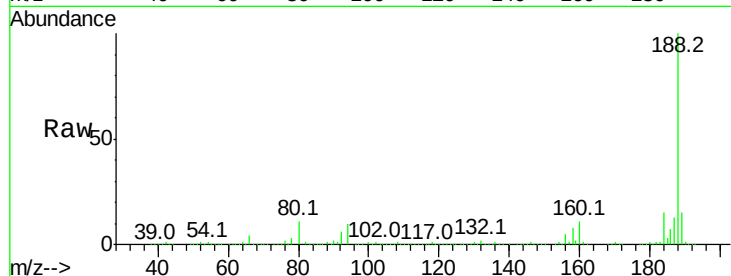




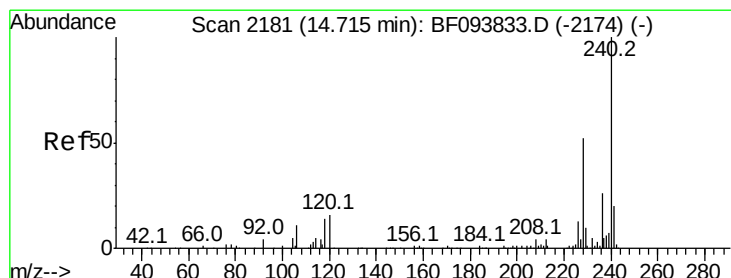
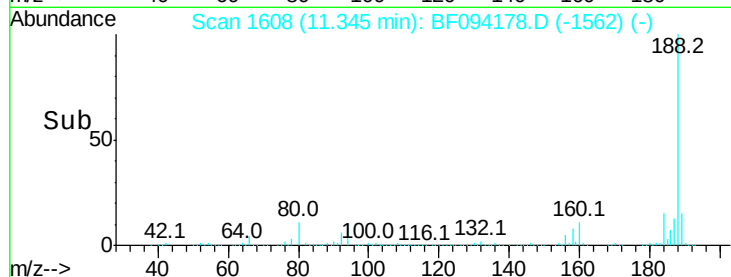
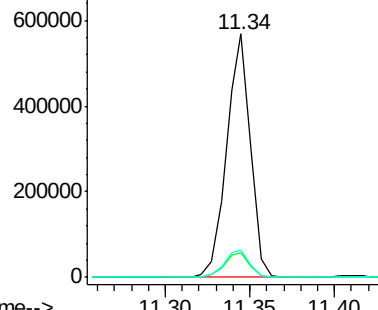
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 1608
Delta R.T. -0.03 min
Lab File: BF094178.D
Acq: 4 Apr 2017 20:21

Instrument :
BNA_F
ClientSampleId :
MW-1

Tot Ion:188 Resp: 557460
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 11.2 10.2 15.2

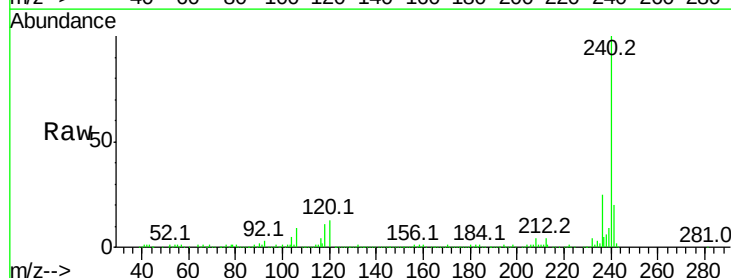


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

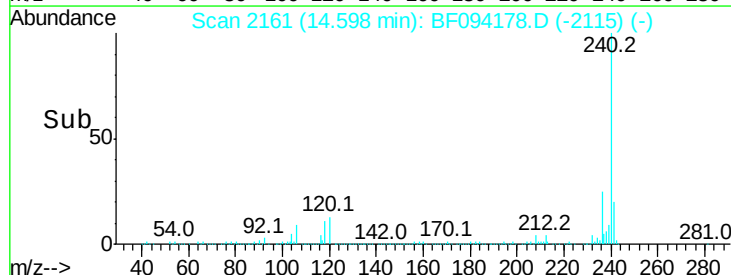
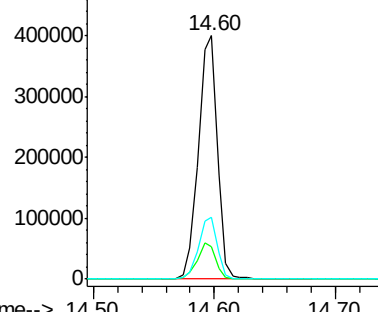


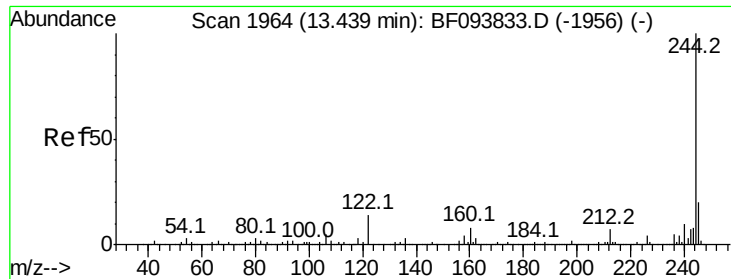
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.60 min Scan# 2161
Delta R.T. -0.03 min
Lab File: BF094178.D
Acq: 4 Apr 2017 20:21

Tgt Ion:240 Resp: 436947
Ion Ratio Lower Upper
240 100
120 13.5 5.8 8.8#
236 25.3 20.5 30.7



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

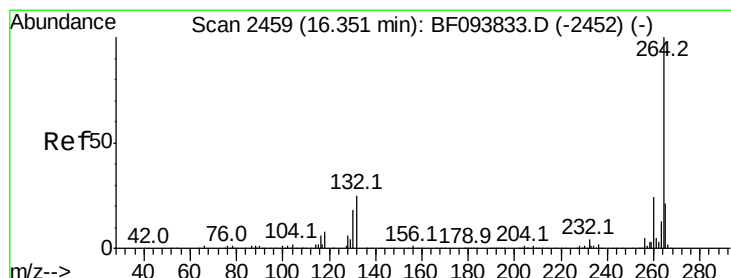
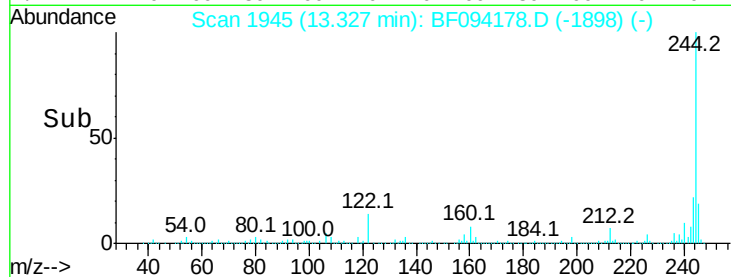
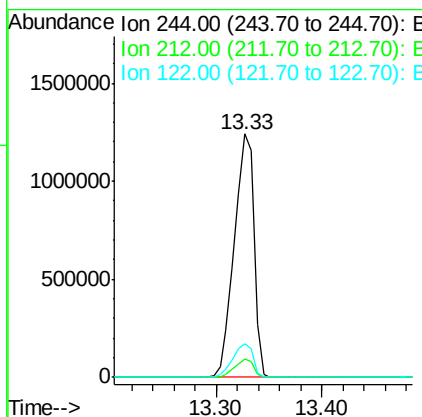
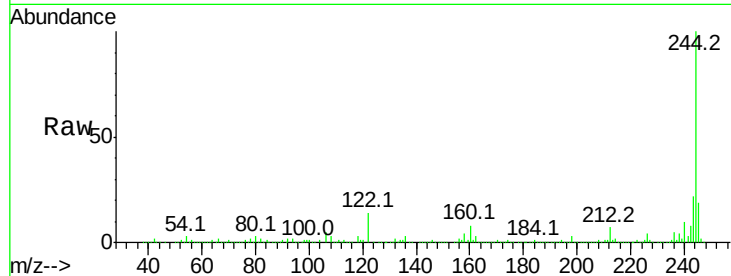




#78
 Terphenyl-d14
 Concen: 81.48 ng
 RT: 13.33 min Scan# 1945
 Delta R.T. -0.02 min
 Lab File: BF094178.D
 Acq: 4 Apr 2017 20:21

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Tot Ion:244 Resp: 1588365
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 13.9 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.23 min Scan# 2438
 Delta R.T. -0.02 min
 Lab File: BF094178.D
 Acq: 4 Apr 2017 20:21

Tgt Ion:264 Resp: 281486
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.5 29.3
 265 21.1 17.2 25.8

