

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040417\
 Data File : BF094177.D
 Acq On : 4 Apr 2017 19:53
 Operator : SJ/MA
 Sample : I2516-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUPLICATE

Quant Time: Apr 05 00:58:36 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

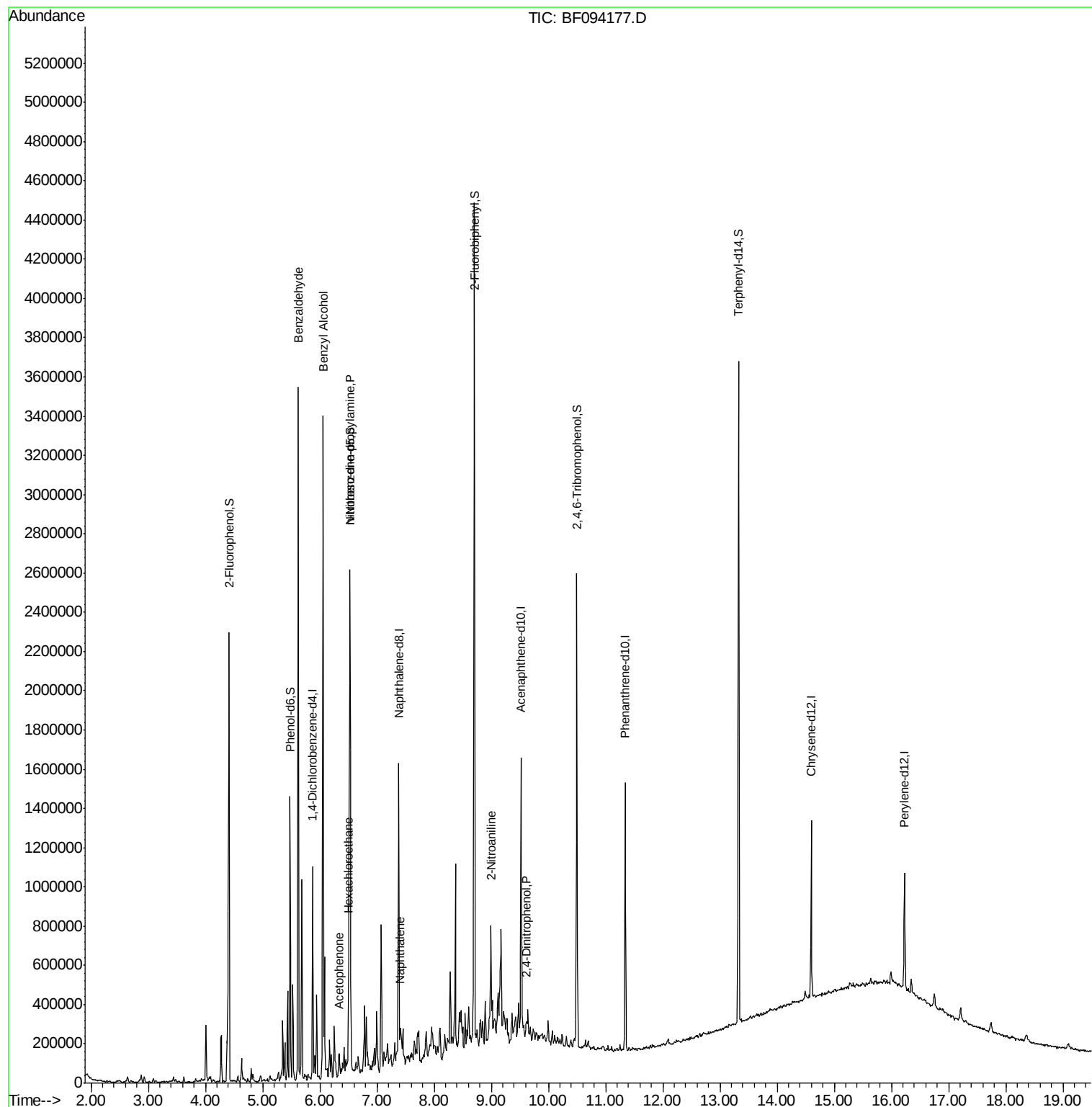
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.87	152	168810	20.00	ng	-0.03
21) Naphthalene-d8	7.38	136	678455	20.00	ng	-0.03
38) Acenaphthene-d10	9.52	164	309182	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	532110	20.00	ng	-0.03
75) Chrysene-d12	14.60	240	348266	20.00	ng	-0.03
86) Perylene-d12	16.23	264	268850	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.41	112	632270	63.26	ng	-0.02
7) Phenol-d6	5.48	99	520356	42.09	ng	-0.03
23) Nitrobenzene-d5	6.53	82	1046330	88.01	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	370613	151.69	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	1866107	92.06	ng	-0.02
78) Terphenyl-d14	13.33	244	1338609	86.15	ng	-0.02
Target Compounds						
9) Benzaldehyde	5.62	77	23809	2.85	ng	Qvalue 82
15) Benzyl Alcohol	6.06	79	18503	2.04	ng	# 42
18) Hexachloroethane	6.50	117	29101	6.63	ng	# 17
19) n-Nitroso-di-n-propylamine	6.53	70	141703	17.83	ng	# 78
22) Acetophenone	6.34	105	34271	2.27	ng	# 54
31) Naphthalene	7.40	128	81396	2.50	ng	98
47) 2-Nitroaniline	8.99	65	15375	2.65	ng	# 34
53) 2,4-Dinitrophenol	9.62	184	335	4.78	ng	# 1

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

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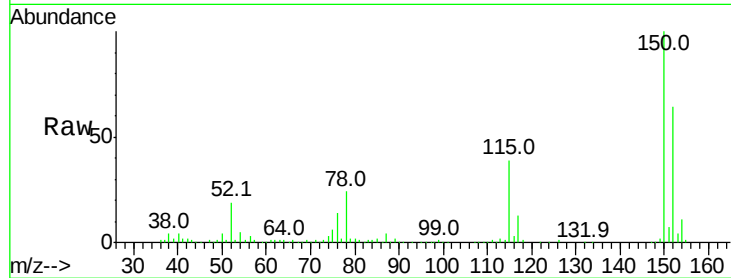


#1

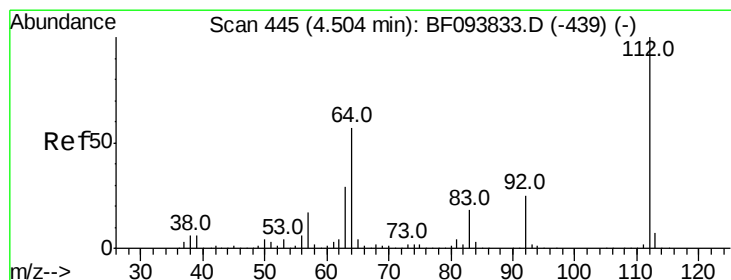
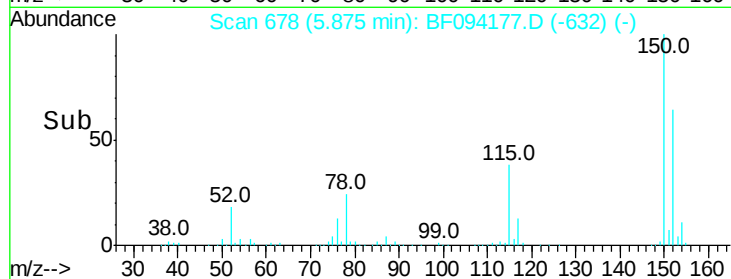
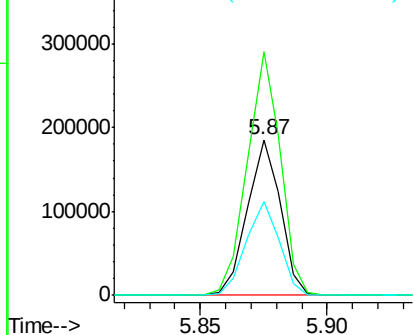
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.87 min Scan# 678
 Delta R.T. -0.03 min
 Lab File: BF094177.D
 Acq: 4 Apr 2017 19:53

Instrument :
 BNA_F
 ClientSampleId :
 DUPLICATE

Tot Ion:152 Resp: 168810
 Ion Ratio Lower Upper
 152 100
 150 156.3 126.2 189.2
 115 60.4 52.2 78.2



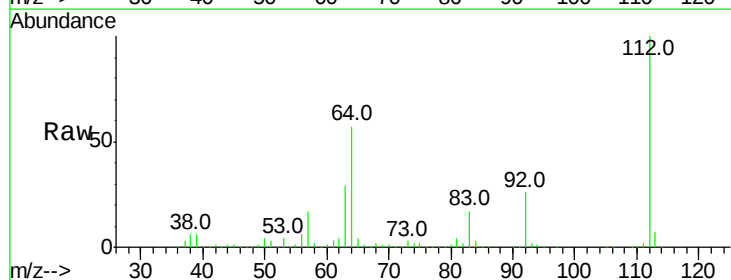
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



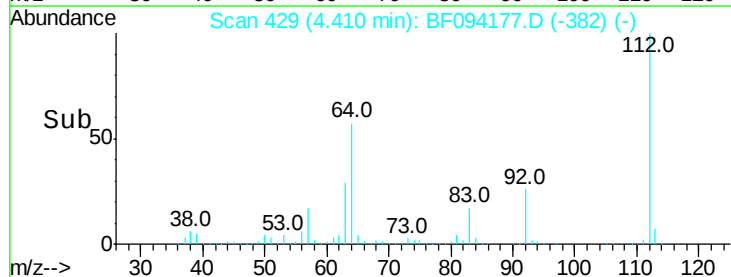
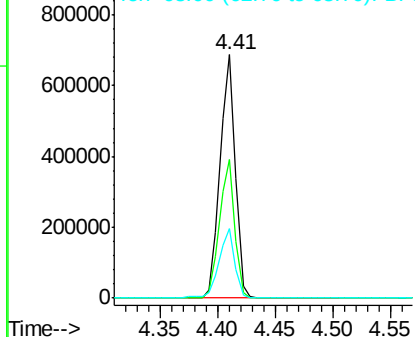
#5

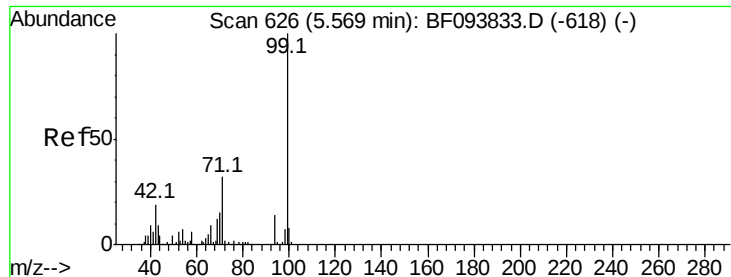
2-Fluorophenol
 Concen: 63.26 ng
 RT: 4.41 min Scan# 429
 Delta R.T. -0.02 min
 Lab File: BF094177.D
 Acq: 4 Apr 2017 19:53

Tgt Ion:112 Resp: 632270
 Ion Ratio Lower Upper
 112 100
 64 56.9 46.0 69.0
 63 28.7 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: 42.09 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.03 min

Lab File: BF094177.D

Acq: 4 Apr 2017 19:53

Instrument :

BNA_F

ClientSampleId :

DUPLICATE

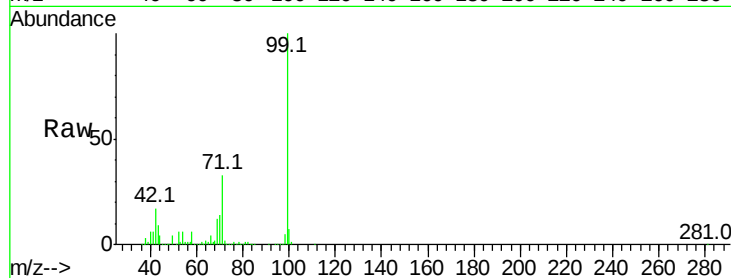
Tot Ion: 99 Resp: 520356

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

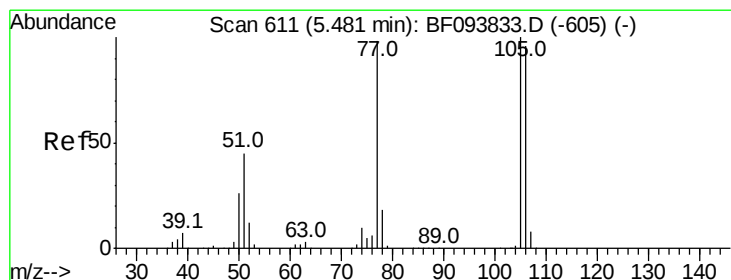
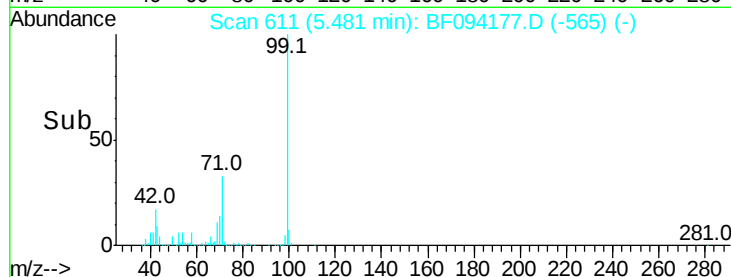
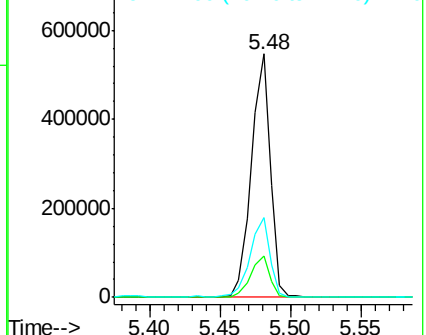
71 33.0 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.85 ng

RT: 5.62 min Scan# 635

Delta R.T. 0.22 min

Lab File: BF094177.D

Acq: 4 Apr 2017 19:53

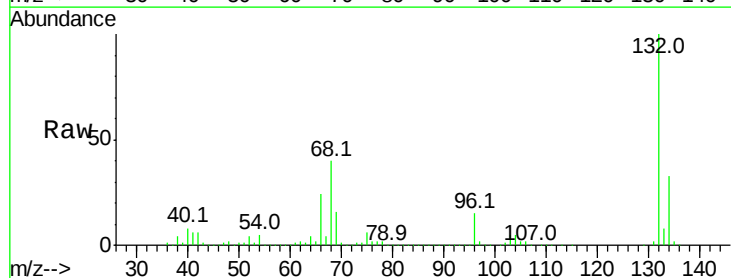
Tgt Ion: 77 Resp: 23809

Ion Ratio Lower Upper

77 100

105 86.9 83.8 123.8

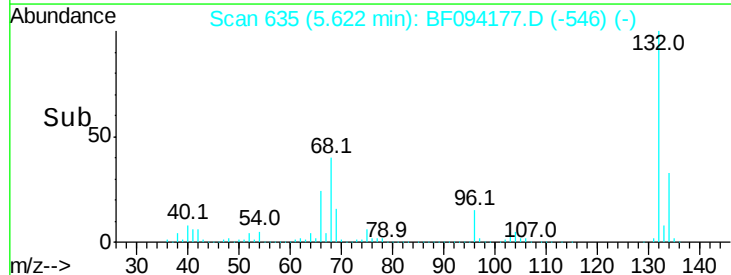
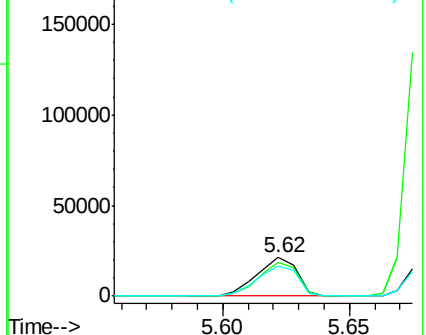
106 79.2 79.1 119.1

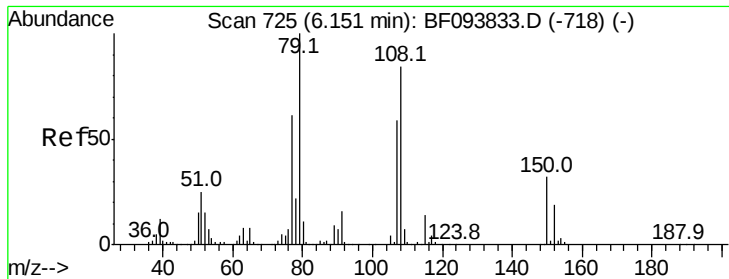


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 6.06 min Scan# 709

Delta R.T. -0.02 min

Lab File: BF094177.D

Acq: 4 Apr 2017 19:53

Instrument :

BNA_F

ClientSampleId :

DUPLICATE

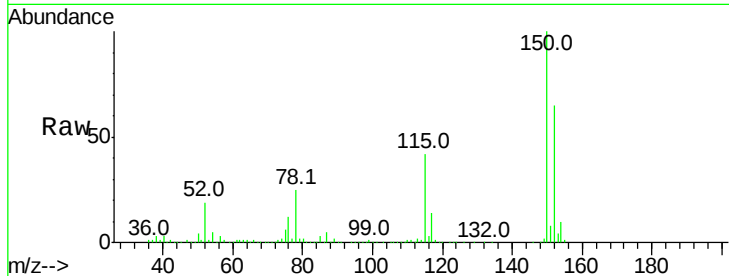
Tot Ion: 79 Resp: 18503

Ion Ratio Lower Upper

79 100

108 27.0 63.4 95.0#

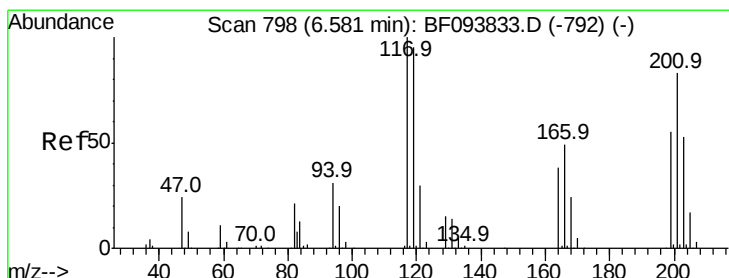
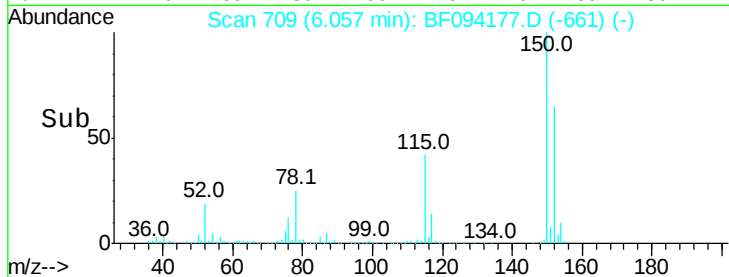
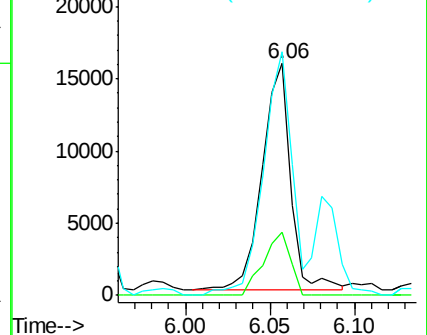
77 105.0 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 6.63 ng

RT: 6.50 min Scan# 784

Delta R.T. 0.01 min

Lab File: BF094177.D

Acq: 4 Apr 2017 19:53

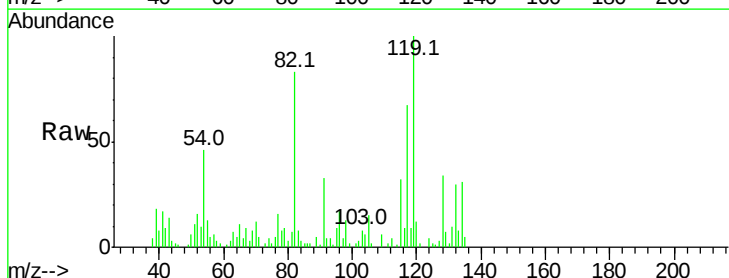
Tgt Ion: 117 Resp: 29101

Ion Ratio Lower Upper

117 100

119 149.3 77.4 116.0#

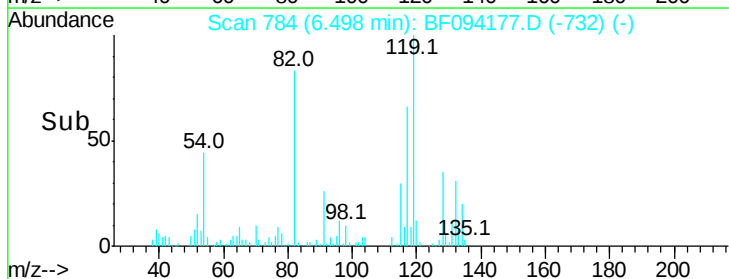
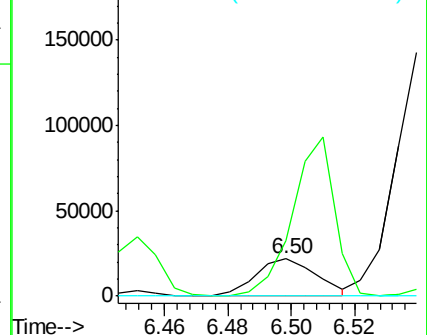
201 0.0 94.6 141.8#

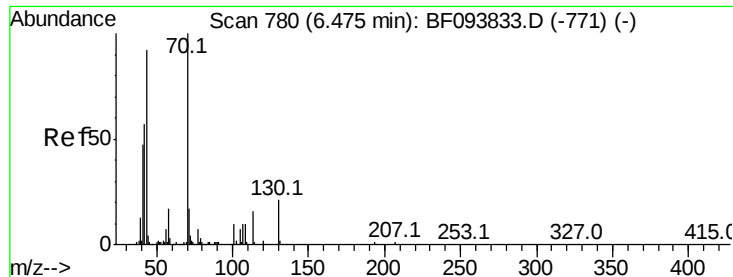


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 17.83 ng

RT: 6.53 min Scan# 789

Delta R.T. 0.14 min

Lab File: BF094177.D

Acq: 4 Apr 2017 19:53

Instrument :

BNA_F

ClientSampleId :

DUPLICATE

Tot Ion: 70 Resp: 141703

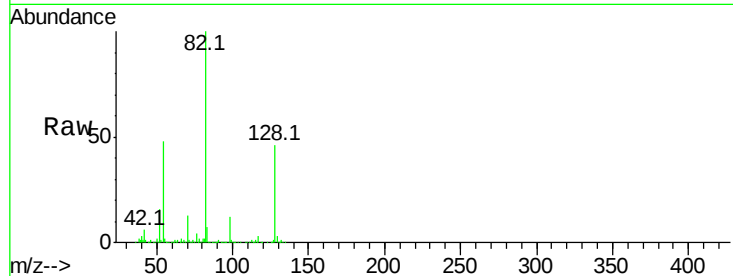
Ion Ratio Lower Upper

70 100

42 46.5 47.2 70.8#

101 0.4 7.2 10.8#

130 2.7 15.9 23.9#

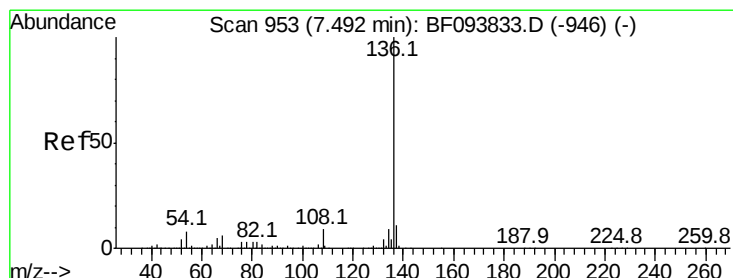
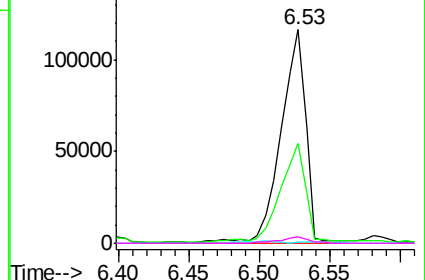
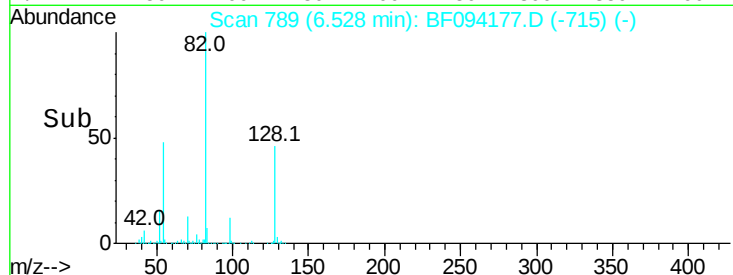


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.38 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF094177.D

Acq: 4 Apr 2017 19:53

Tgt Ion: 136 Resp: 678455

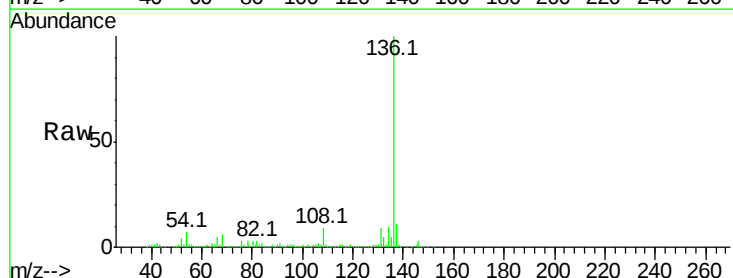
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.3 4.9 7.3

68 6.1 4.1 6.1#

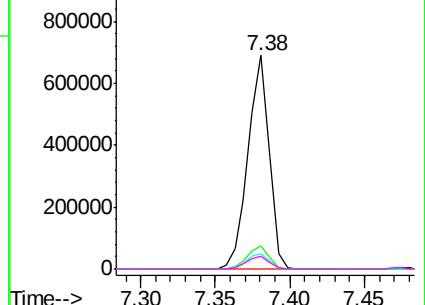
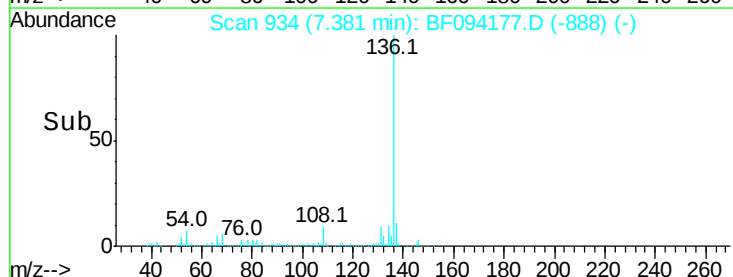


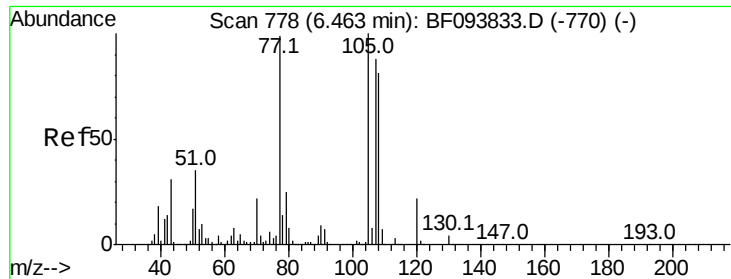
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 2.27 ng

RT: 6.34 min Scan# 757

Delta R.T. -0.04 min

Lab File: BF094177.D

Acq: 4 Apr 2017 19:53

Instrument :

BNA_F

ClientSampleId :

DUPLICATE

Tot Ion:105 Resp: 34271

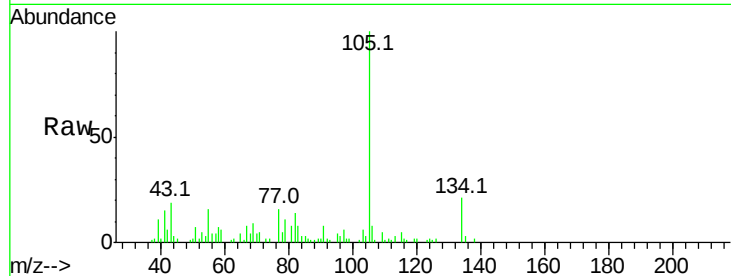
Ion Ratio Lower Upper

105 100

71 5.1 2.8 4.2#

51 6.9 30.7 46.1#

120 2.2 17.4 26.0#

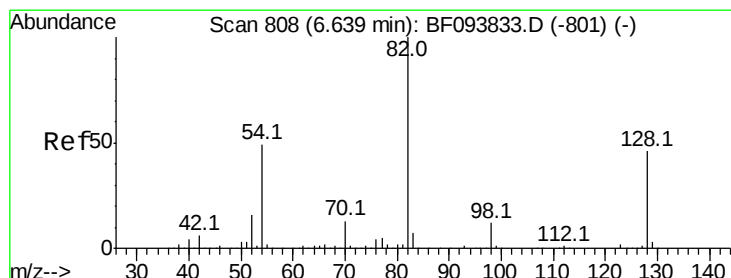
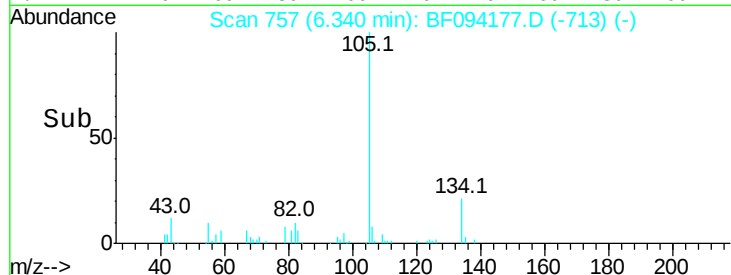
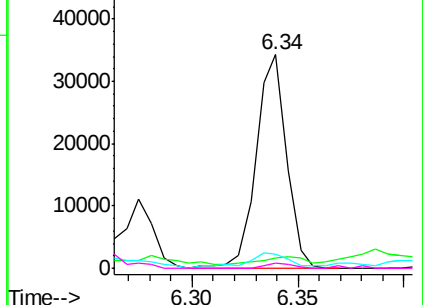


Abundance Ion 105.00 (104.70 to 105.70): E

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: 88.01 ng

RT: 6.53 min Scan# 789

Delta R.T. -0.03 min

Lab File: BF094177.D

Acq: 4 Apr 2017 19:53

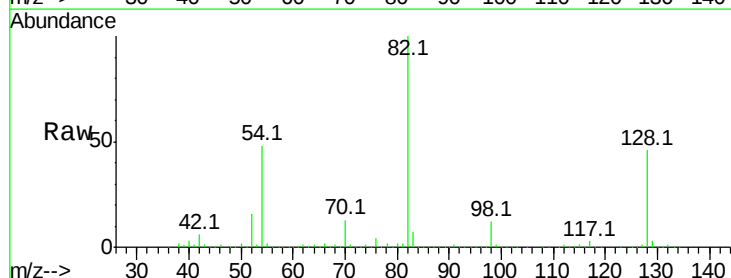
Tgt Ion: 82 Resp: 1046330

Ion Ratio Lower Upper

82 100

128 45.8 34.0 51.0

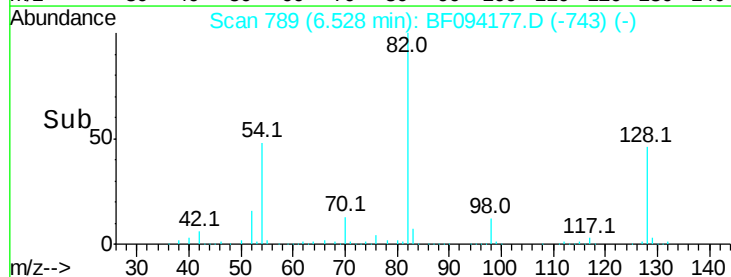
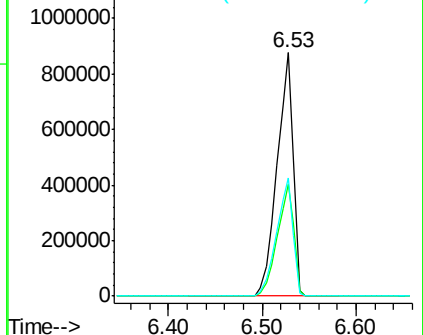
54 48.4 42.2 63.2

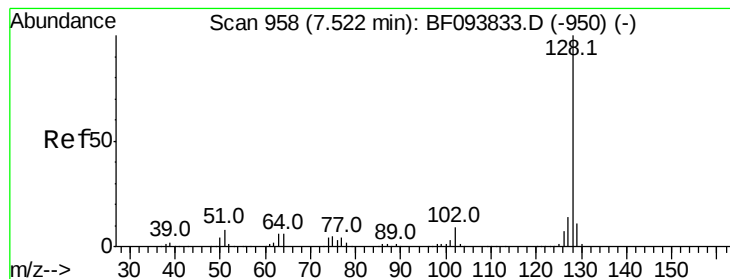


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 2.50 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.03 min

Lab File: BF094177.D

Acq: 4 Apr 2017 19:53

Instrument :

BNA_F

ClientSampleId :

DUPLICATE

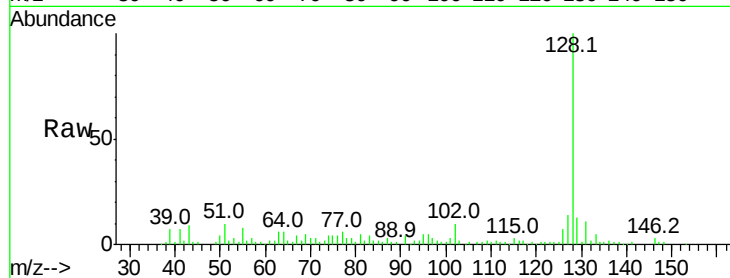
Tot Ion:128 Resp: 81396

Ion Ratio Lower Upper

128 100

129 12.6 9.0 13.6

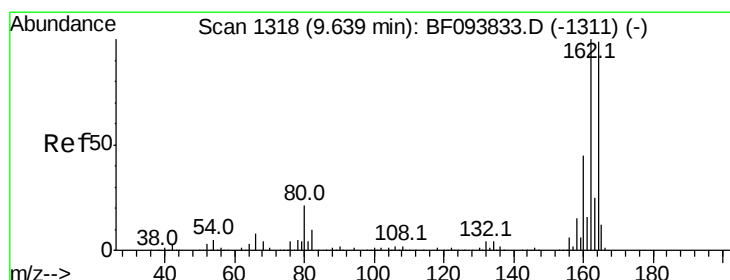
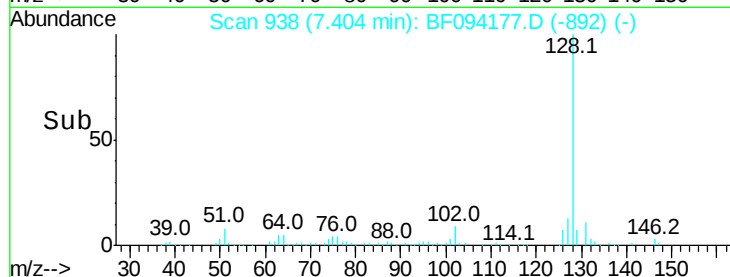
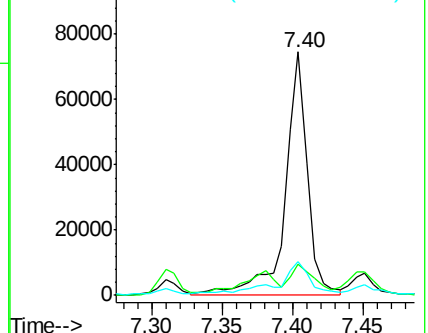
127 14.1 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.52 min Scan# 1298

Delta R.T. -0.03 min

Lab File: BF094177.D

Acq: 4 Apr 2017 19:53

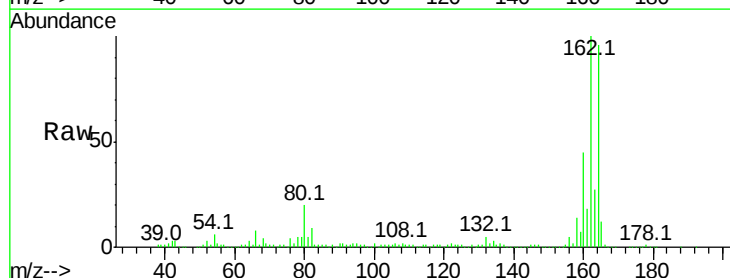
Tgt Ion:164 Resp: 309182

Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

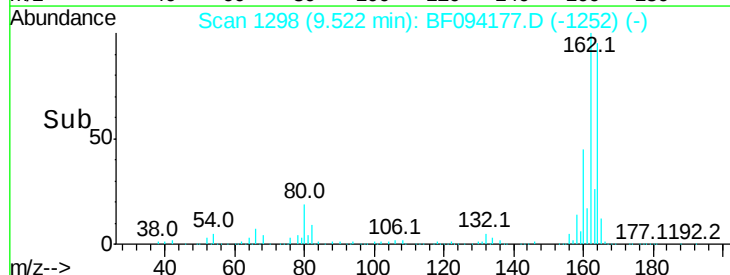
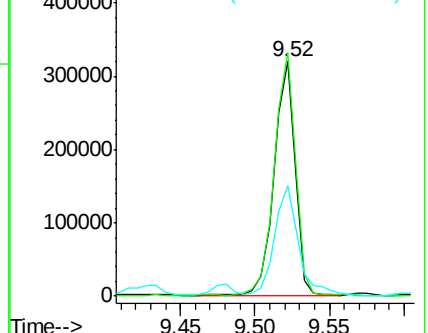
160 47.0 36.2 54.2

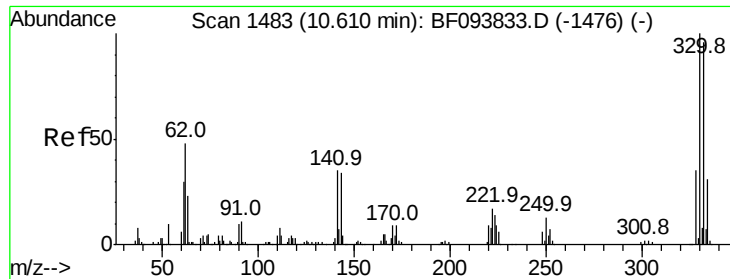


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

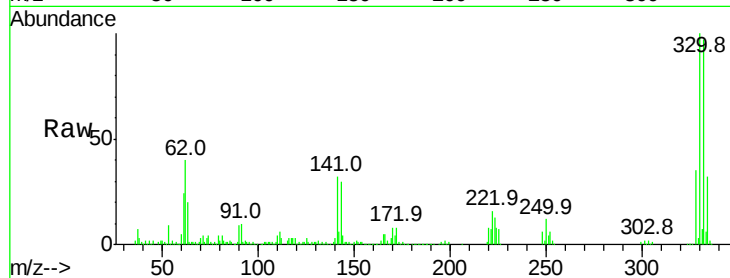




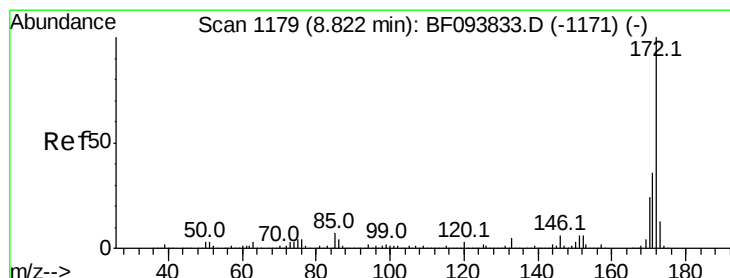
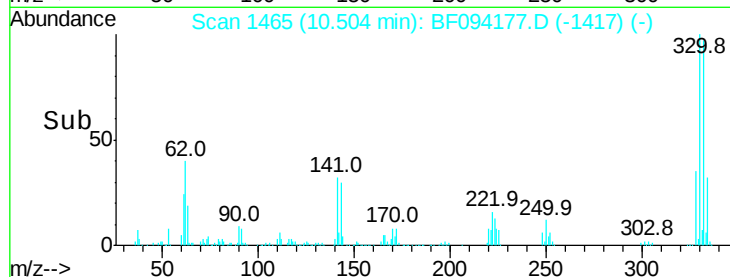
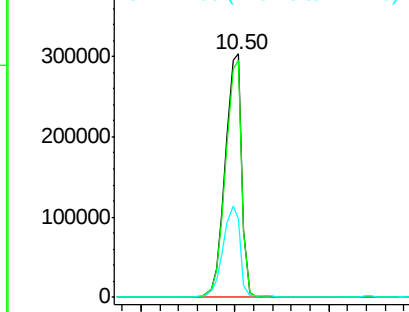
#41
 2,4,6-Tribromophenol
 Concen: 151.69 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094177.D
 Acq: 4 Apr 2017 19:53

Instrument :
 BNA_F
 ClientSampleId :
 DUPLICATE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	38.7	31.4	47.2

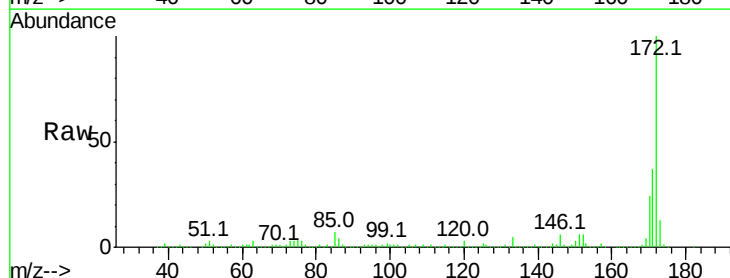


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

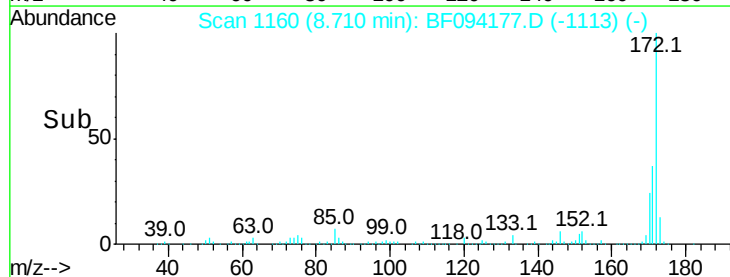
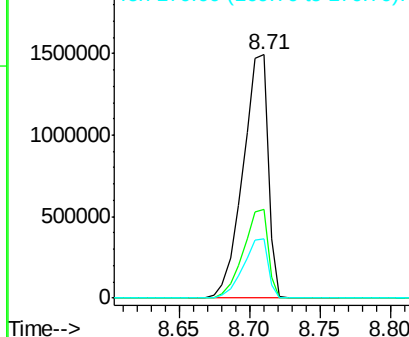


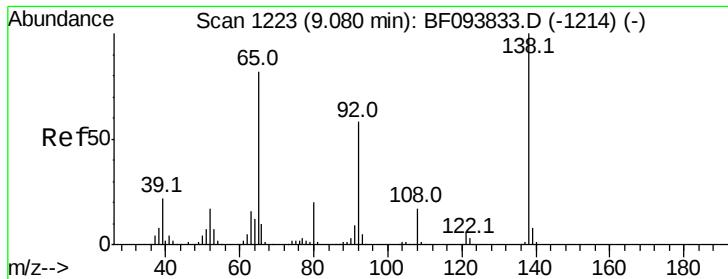
#44
 2-Fluorobiphenyl
 Concen: 92.06 ng
 RT: 8.71 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BF094177.D
 Acq: 4 Apr 2017 19:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	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





#47

2-Nitroaniline

Concen: 2.65 ng

RT: 8.99 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF094177.D

Acq: 4 Apr 2017 19:53

Instrument :

BNA_F

ClientSampleId :

DUPLICATE

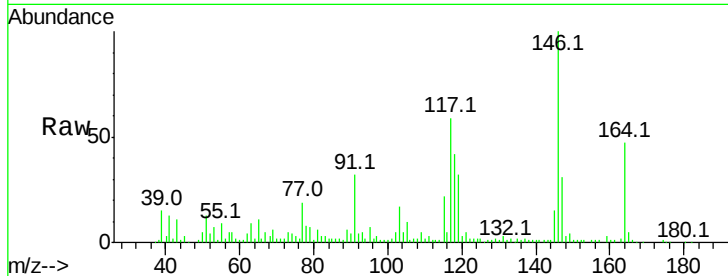
Tot Ion: 65 Resp: 15375

Ion Ratio Lower Upper

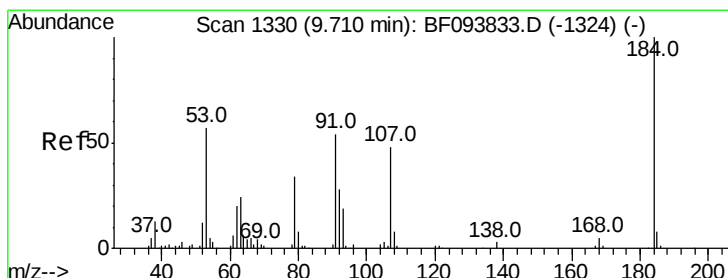
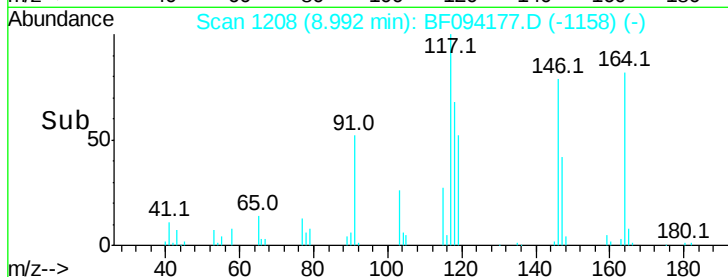
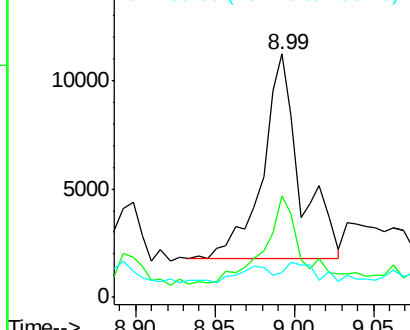
65 100

92 41.7 53.9 80.9#

138 10.1 78.8 118.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#53

2,4-Dinitrophenol

Concen: 4.78 ng

RT: 9.62 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF094177.D

Acq: 4 Apr 2017 19:53

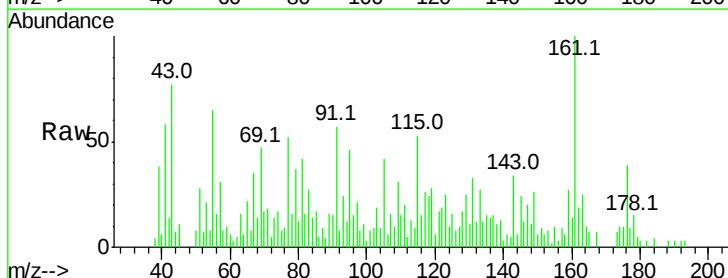
Tgt Ion: 184 Resp: 335

Ion Ratio Lower Upper

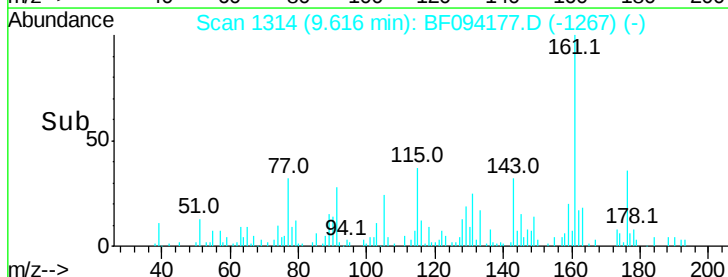
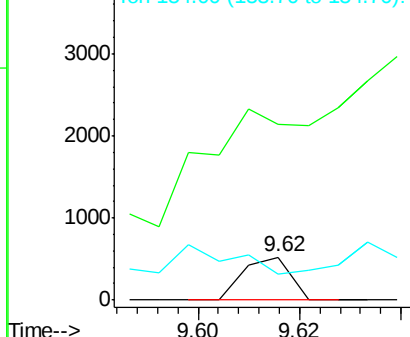
184 100

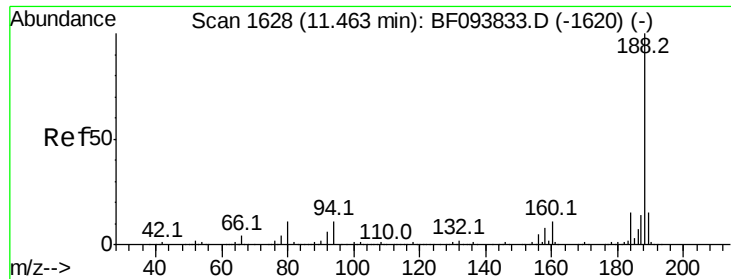
63 408.6 62.7 94.1#

154 61.1 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

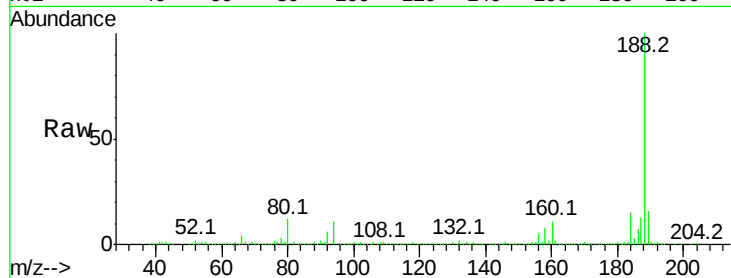




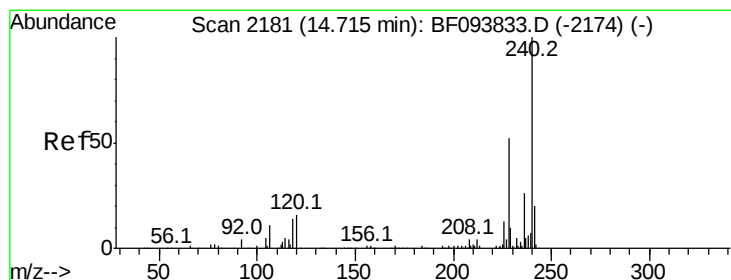
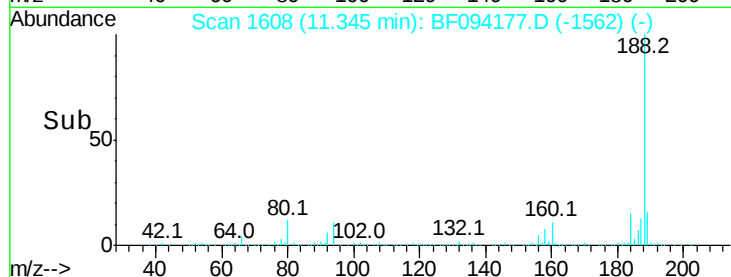
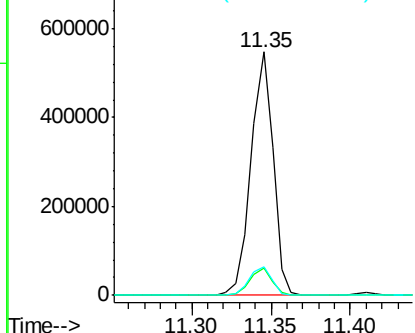
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 1608
Delta R.T. -0.03 min
Lab File: BF094177.D
Acq: 4 Apr 2017 19:53

Instrument :
BNA_F
ClientSampleId :
DUPLICATE

Tot Ion:188 Resp: 532110
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 11.7 10.2 15.2

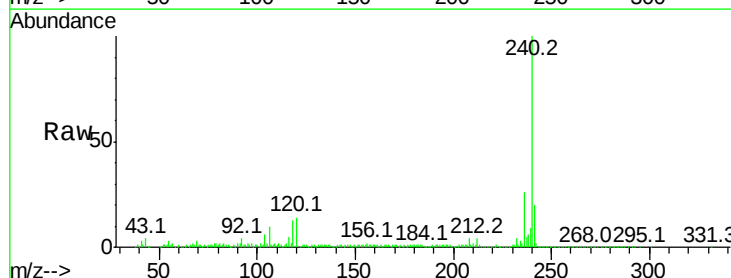


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

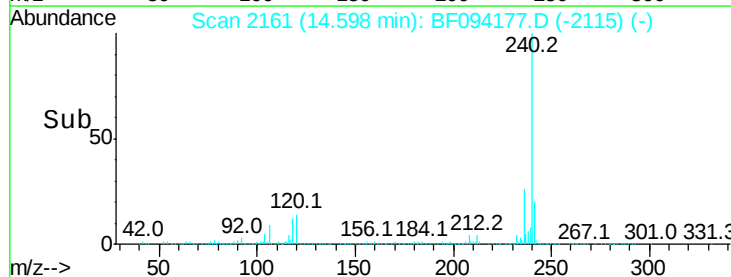
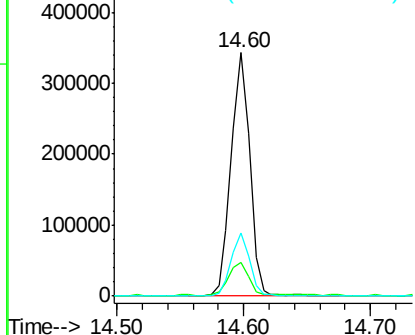


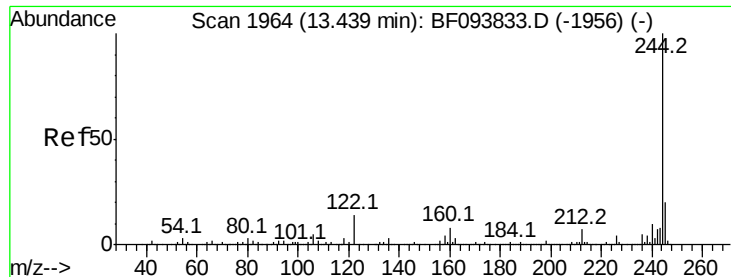
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.60 min Scan# 2161
Delta R.T. -0.03 min
Lab File: BF094177.D
Acq: 4 Apr 2017 19:53

Tgt Ion:240 Resp: 348266
Ion Ratio Lower Upper
240 100
120 14.1 5.8 8.8#
236 26.1 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: 86.15 ng

RT: 13.33 min Scan# 1945

Delta R.T. -0.02 min

Lab File: BF094177.D

Acq: 4 Apr 2017 19:53

Instrument :

BNA_F

ClientSampled :

DUPLICATE

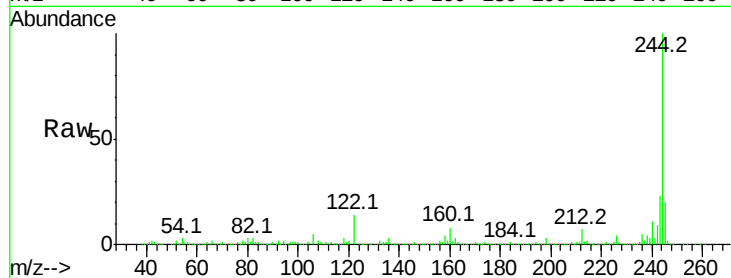
Tot Ion:244 Resp: 1338609

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

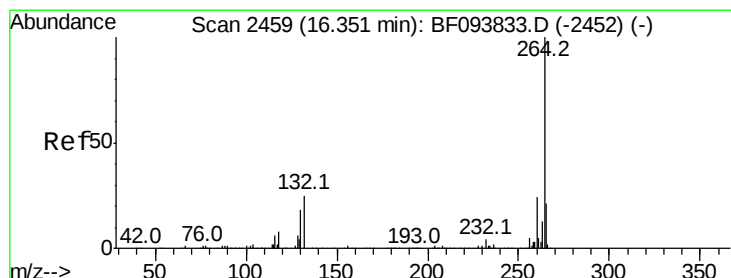
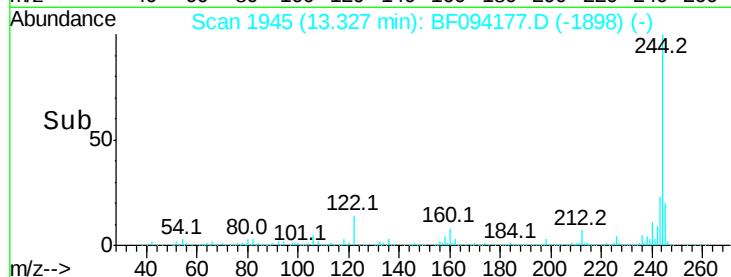
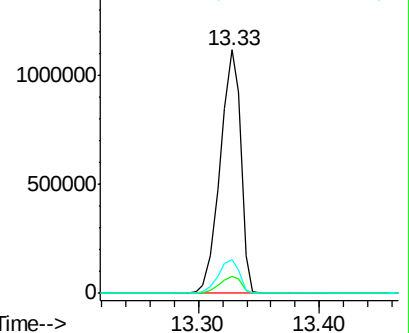
122 14.1 10.3 15.5



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: 16.23 min Scan# 2439

Delta R.T. -0.02 min

Lab File: BF094177.D

Acq: 4 Apr 2017 19:53

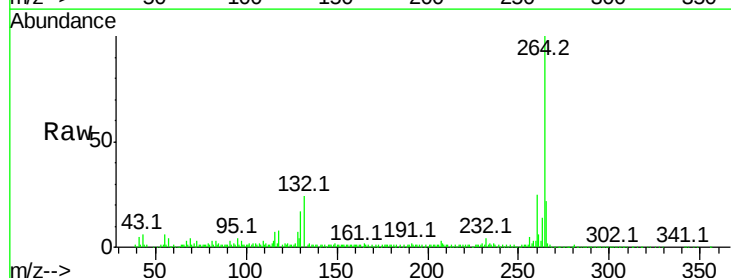
Tgt Ion:264 Resp: 268850

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

265 22.1 17.2 25.8



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

