

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062717\
 Data File : BF096222.D
 Acq On : 27 Jun 2017 18:02
 Operator : SJ/MA
 Sample : I3868-04 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 27 19:06:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 27 15:17:15 2017
 Response via : Initial Calibration

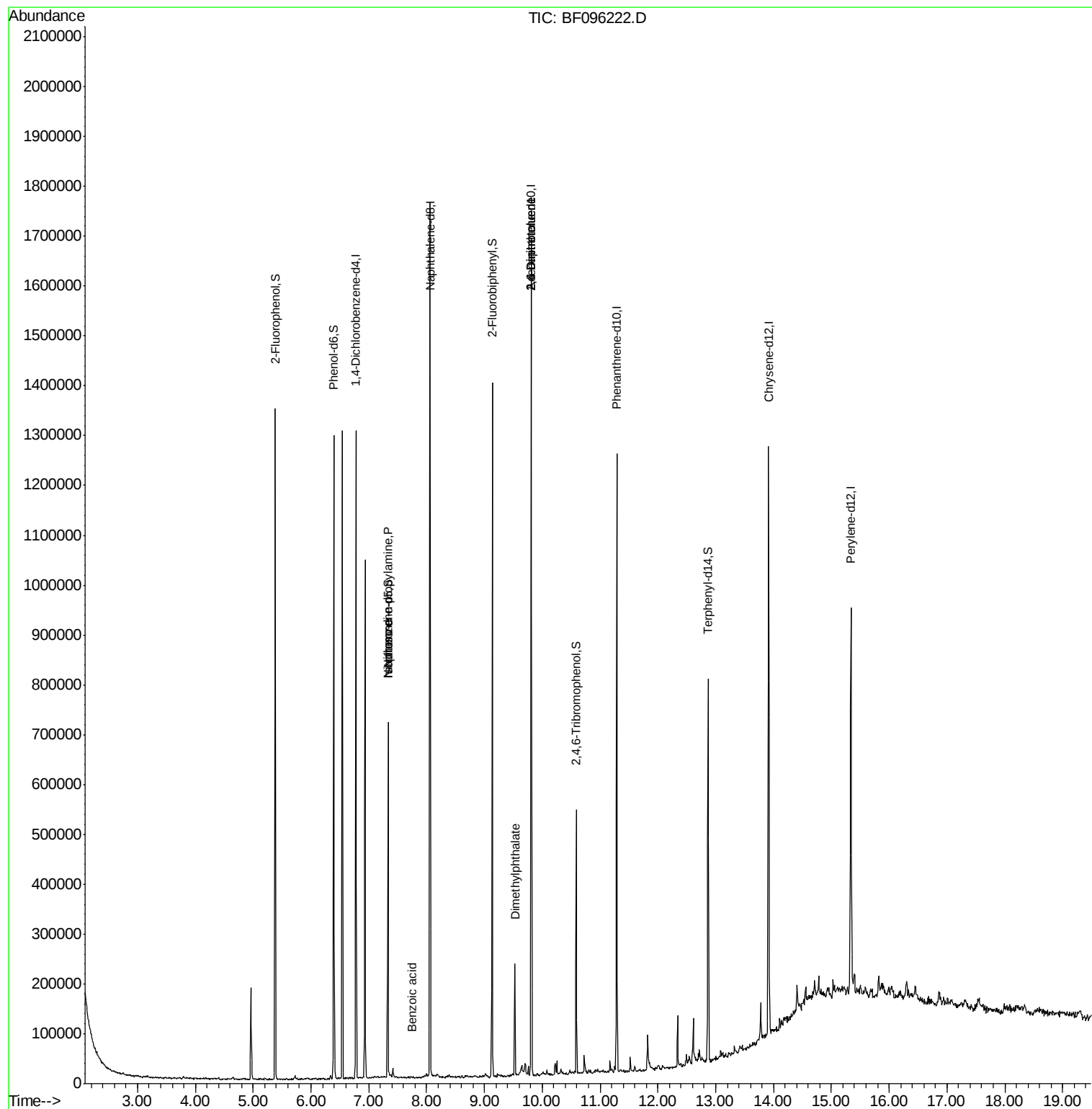
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	183552	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	757821	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	293840	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	407047	20.00	ng	0.00
75) Chrysene-d12	13.92	240	334244	20.00	ng	0.00
86) Perylene-d12	15.34	264	332184	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	322323	25.30	ng	0.00
7) Phenol-d6	6.40	99	388716	25.20	ng	0.00
23) Nitrobenzene-d5	7.33	82	204242	18.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	50809	21.97	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	371325	23.14	ng	-0.02
78) Terphenyl-d14	12.87	244	195808	14.62	ng	0.00
Target Compounds						
9) Benzaldehyde	6.40	77	470	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.33	70	25822	2.79 ng	#	83
25) Isophorone	7.33	82	204236	8.21 ng	#	67
32) Benzoic acid	7.74	122	137	8.80 ng	#	74
49) Dimethylphthalate	9.53	163	85219	4.05 ng		97
50) 2,6-Dinitrotoluene	9.81	165	37521	8.58 ng	#	34
56) 2,4-Dinitrotoluene	9.81	165	37521	6.81 ng	#	33
70) Phenanthrene	11.31	178	2996	Below Cal	#	86

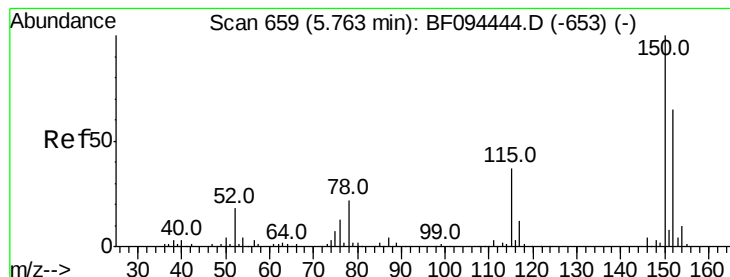
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.00 min

Lab File: BF096222.D

Acq: 27 Jun 2017 18:02

Instrument :

BNA_F

ClientSampleId :

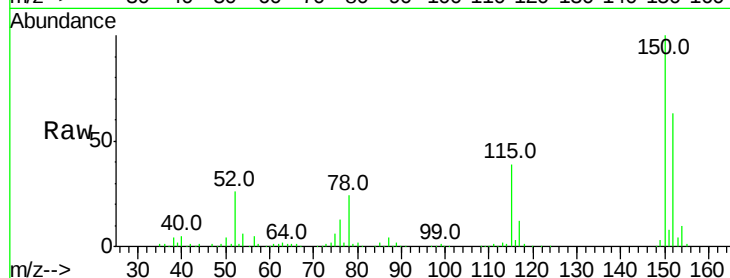
Tot Ion:152 Resp: 183552

Ion Ratio Lower Upper

152 100

150 158.5 126.2 189.2

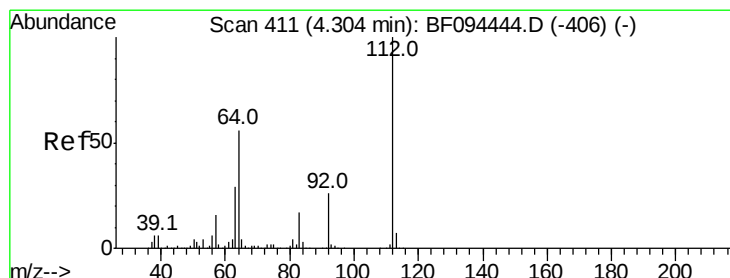
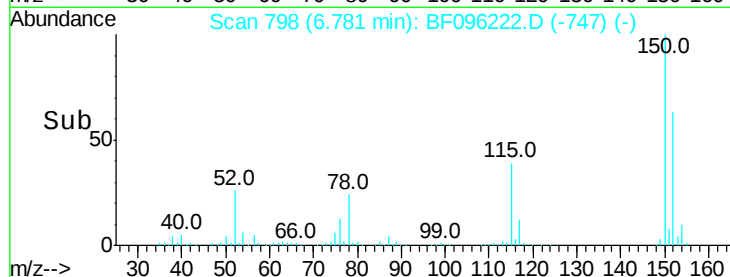
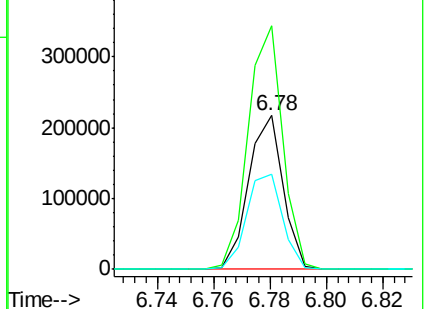
115 61.9 52.2 78.2



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: 25.30 ng

RT: 5.38 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF096222.D

Acq: 27 Jun 2017 18:02

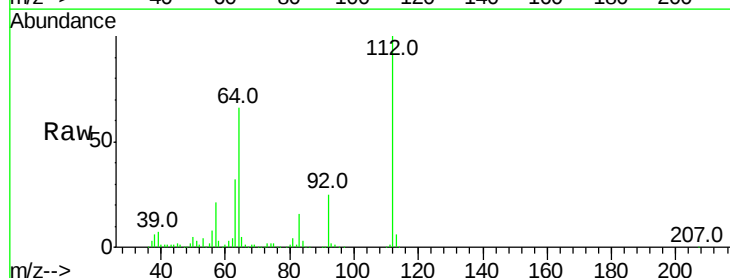
Tgt Ion:112 Resp: 322323

Ion Ratio Lower Upper

112 100

64 66.1 46.0 69.0

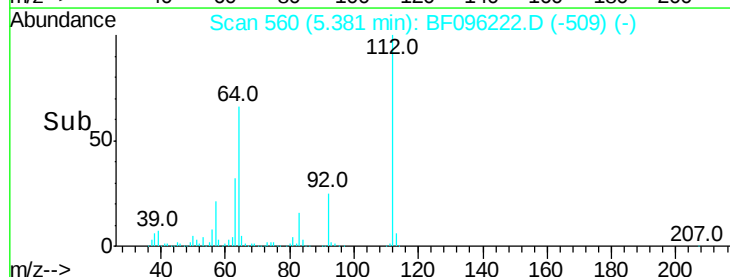
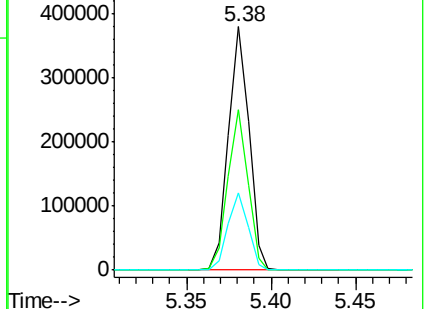
63 31.8 23.4 35.0

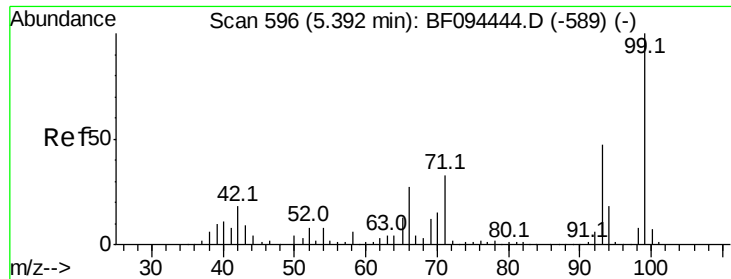


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 25.20 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096222.D

Acq: 27 Jun 2017 18:02

Instrument :

BNA_F

ClientSampleId :

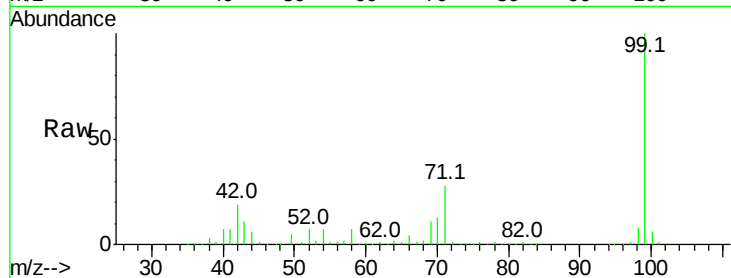
Tot Ion: 99 Resp: 388716

Ion Ratio Lower Upper

99 100

42 19.5 13.5 20.3

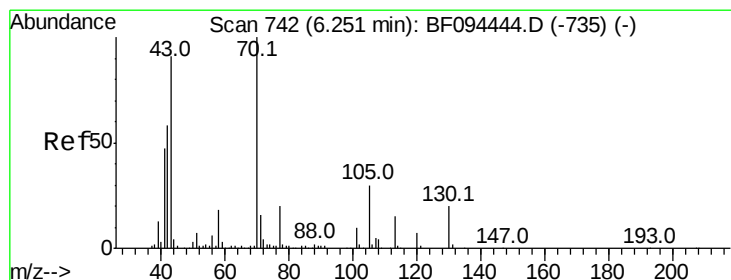
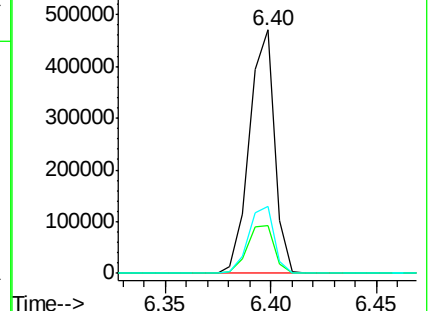
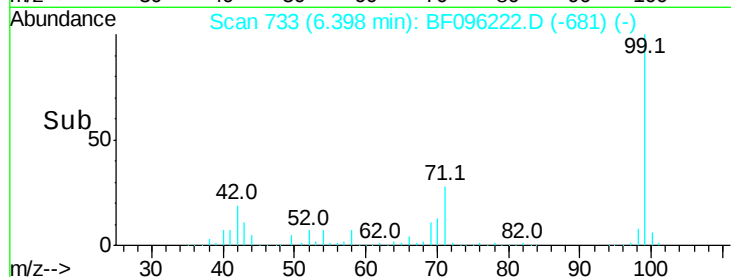
71 27.7 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.79 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF096222.D

Acq: 27 Jun 2017 18:02

Tgt Ion: 70 Resp: 25822

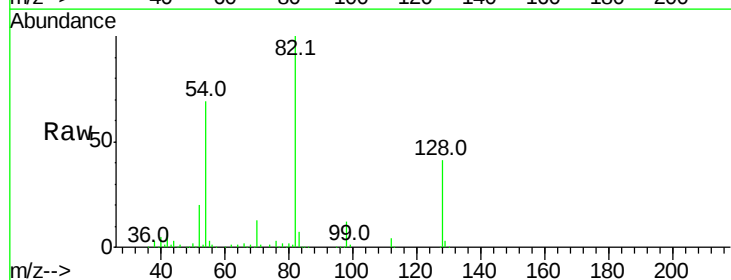
Ion Ratio Lower Upper

70 100

42 65.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

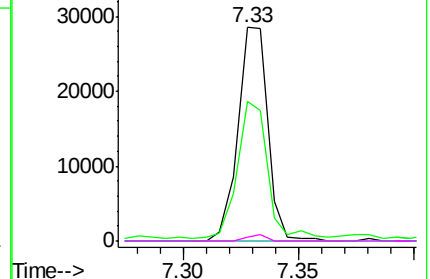
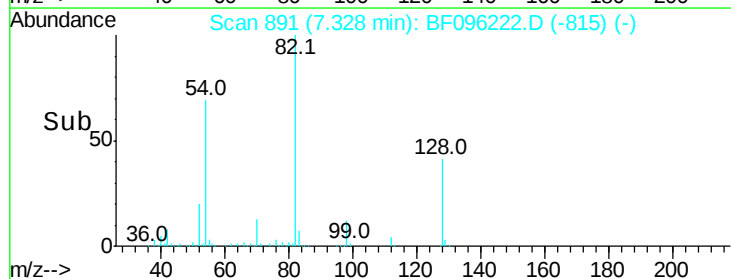


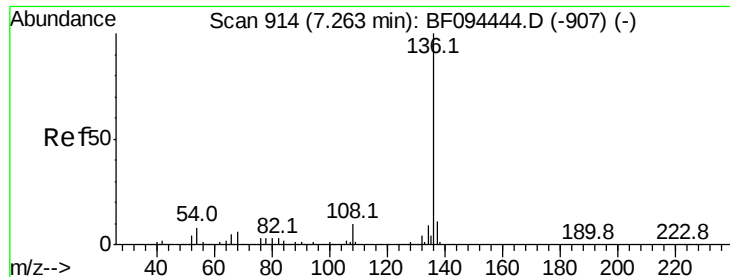
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BF096222.D

Acq: 27 Jun 2017 18:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 757821

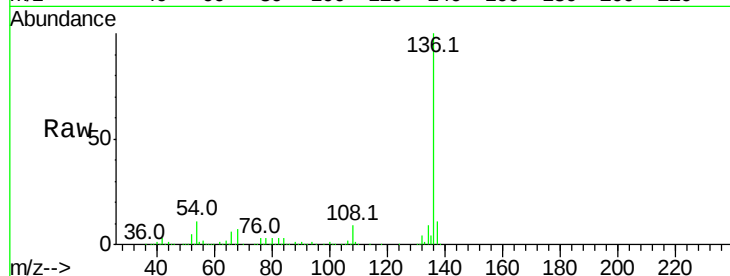
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 11.2 4.9 7.3#

68 7.0 4.1 6.1#

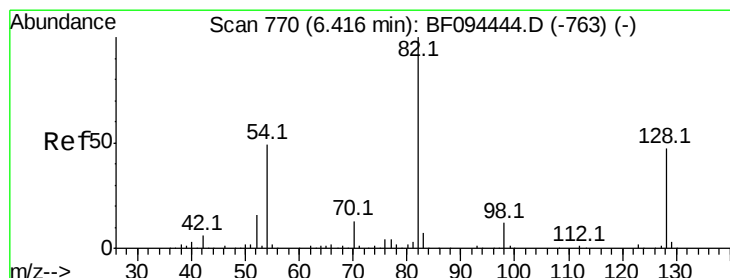
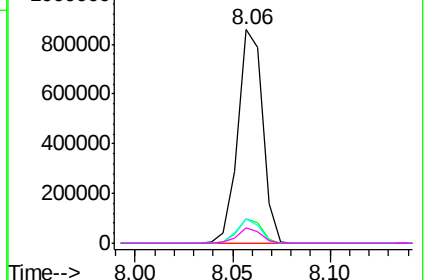
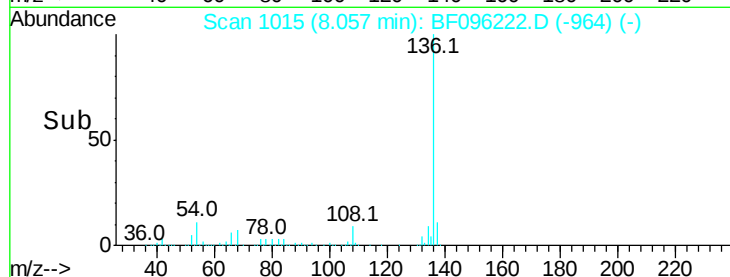


Abundance Ion 136.00 (135.70 to 136.70): E

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: 18.66 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF096222.D

Acq: 27 Jun 2017 18:02

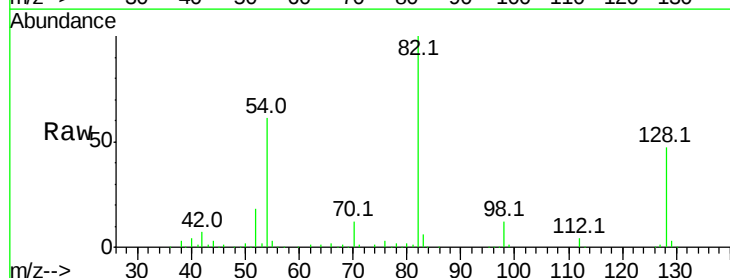
Tgt Ion: 82 Resp: 204242

Ion Ratio Lower Upper

82 100

128 46.8 34.0 51.0

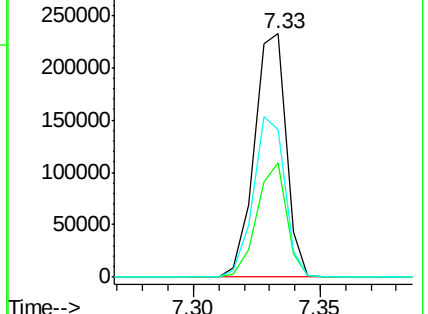
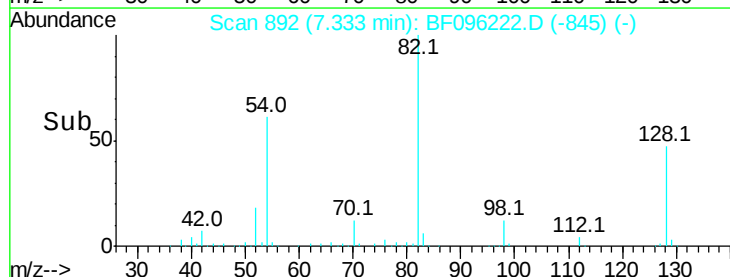
54 60.7 42.2 63.2

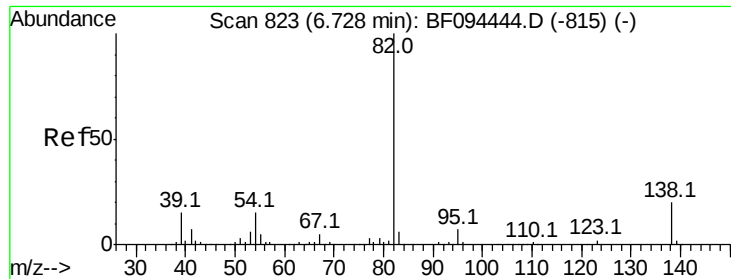


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 8.21 ng

RT: 7.33 min Scan# 892

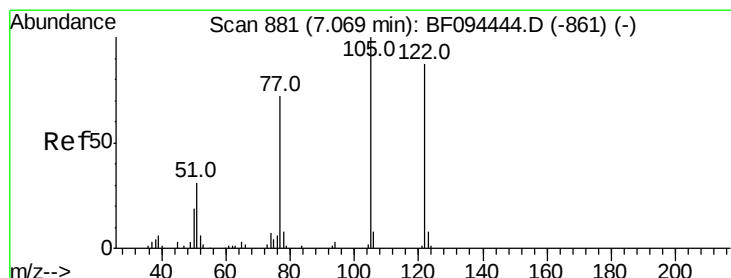
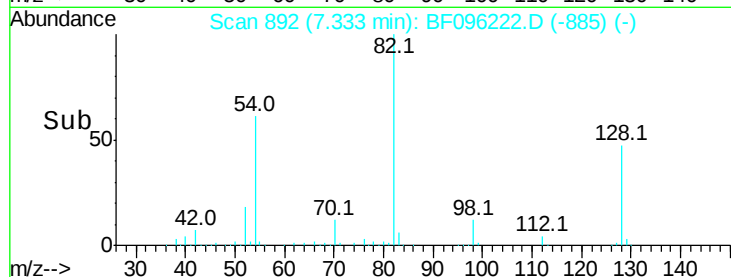
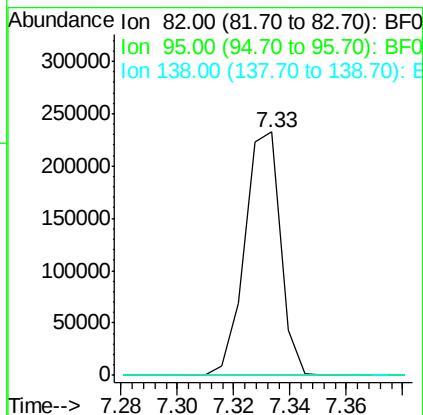
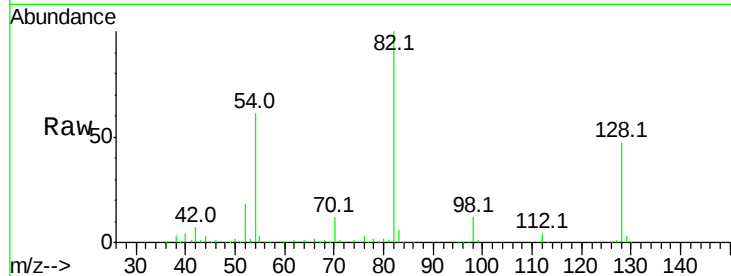
Delta R.T. -0.26 min

Lab File: BF096222.D

Acq: 27 Jun 2017 18:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:	82	Resp:	204236
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.3	7.9#
138	0.0	13.1	19.7#



#32

Benzoic acid

Concen: 8.80 ng

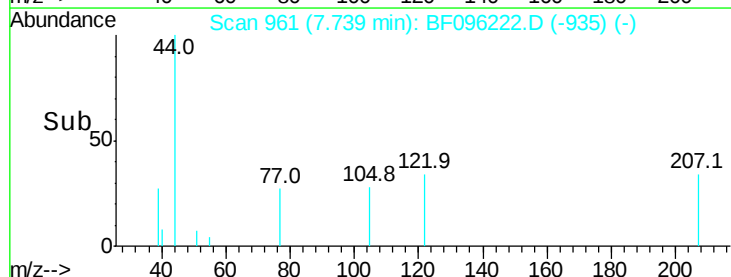
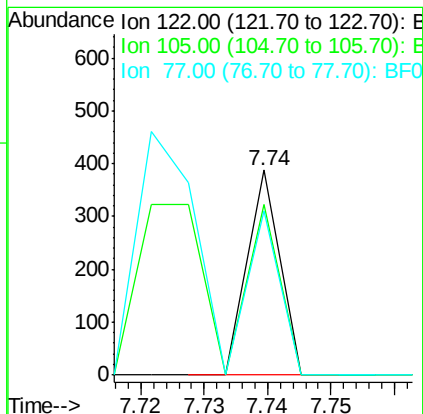
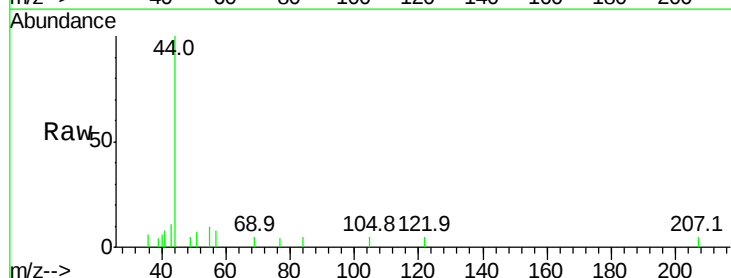
RT: 7.74 min Scan# 961

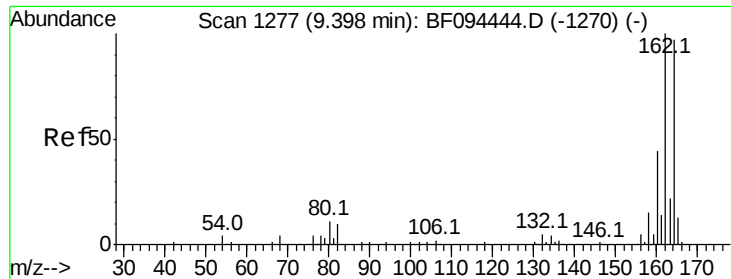
Delta R.T. -0.15 min

Lab File: BF096222.D

Acq: 27 Jun 2017 18:02

Tgt Ion:	122	Resp:	137
Ion Ratio	Lower	Upper	
122	100		
105	83.5	103.3	143.3#
77	79.9	73.7	113.7

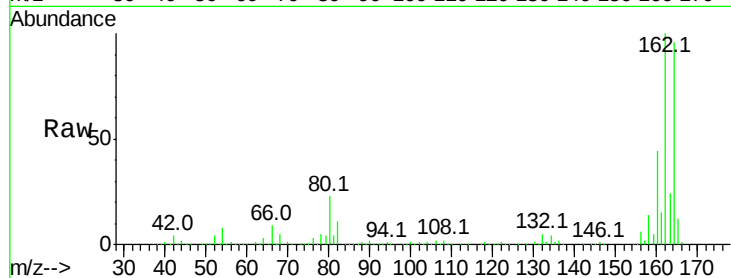




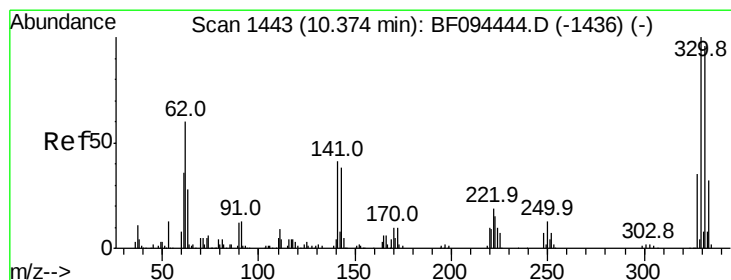
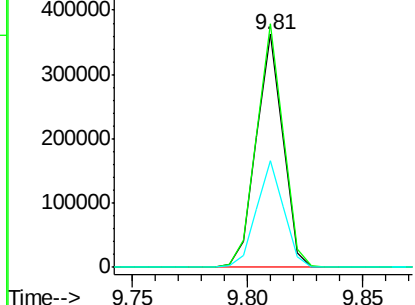
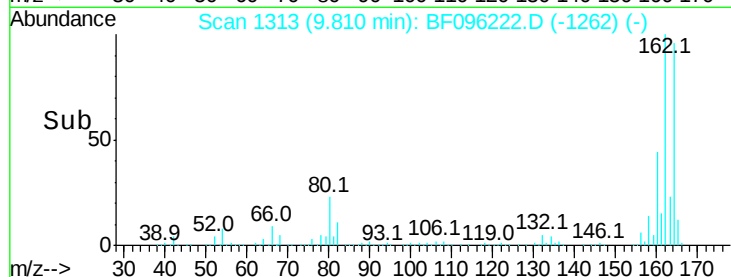
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.00 min
 Lab File: BF096222.D
 Acq: 27 Jun 2017 18:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 293840
 Ion Ratio Lower Upper
 164 100
 162 104.4 82.6 123.8
 160 45.6 36.2 54.2

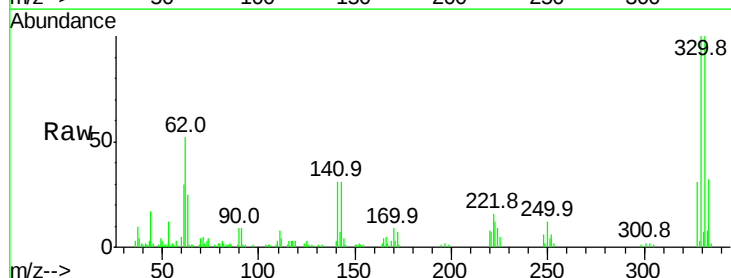


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

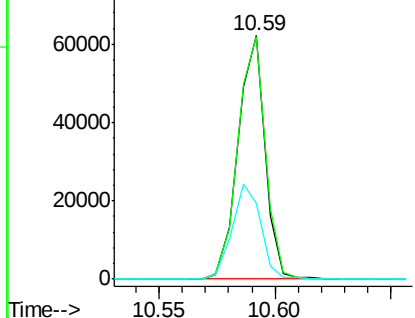
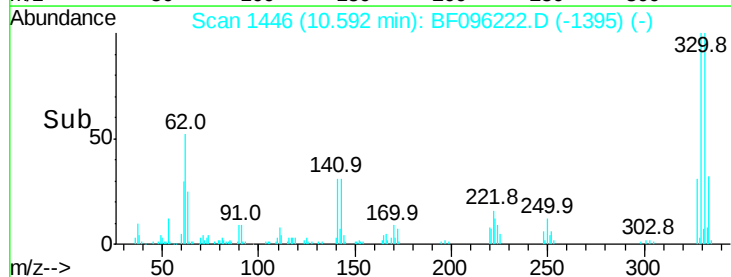


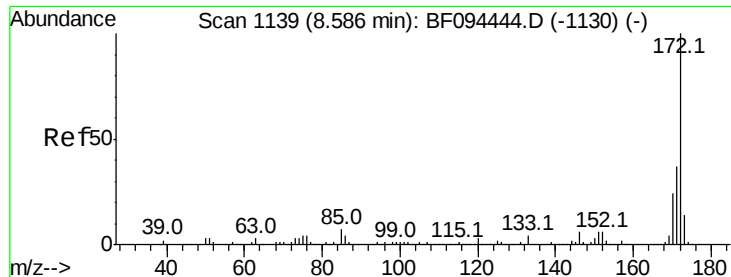
#41
 2,4,6-Tribromophenol
 Concen: 21.97 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096222.D
 Acq: 27 Jun 2017 18:02

Tgt Ion:330 Resp: 50809
 Ion Ratio Lower Upper
 330 100
 332 101.8 76.6 115.0
 141 41.1 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

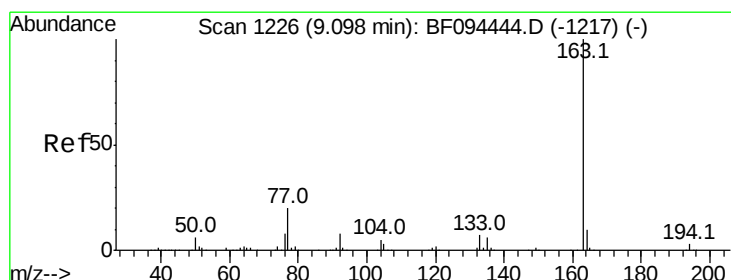
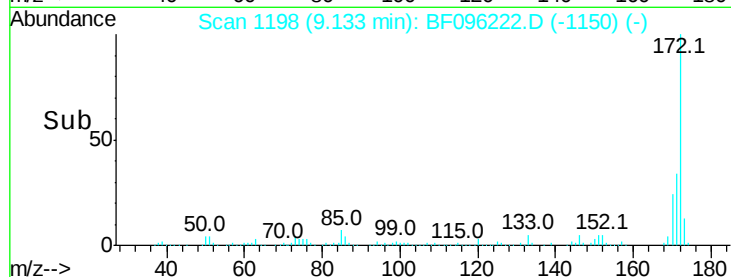
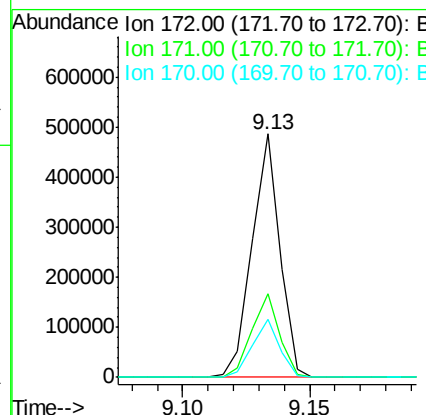
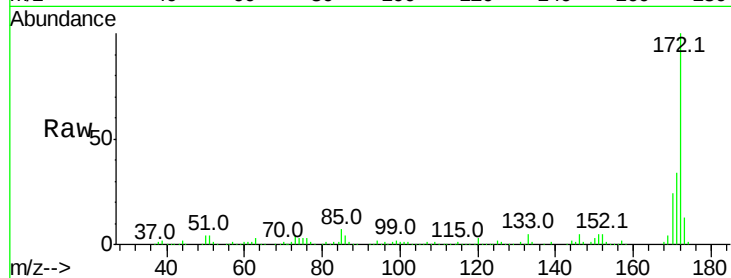




#44
2-Fluorobiphenyl
Concen: 23.14 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.02 min
Lab File: BF096222.D
Acq: 27 Jun 2017 18:02

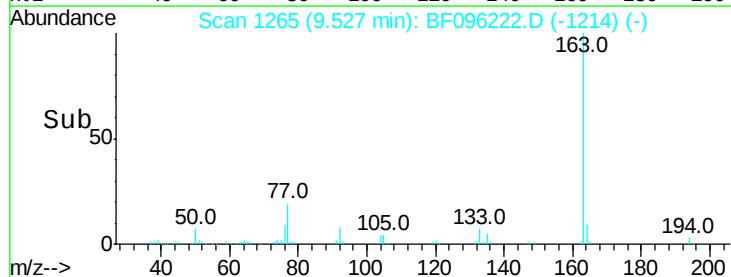
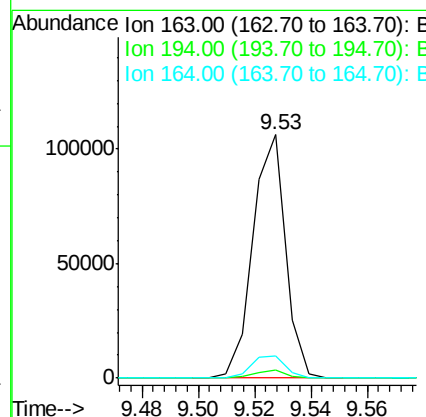
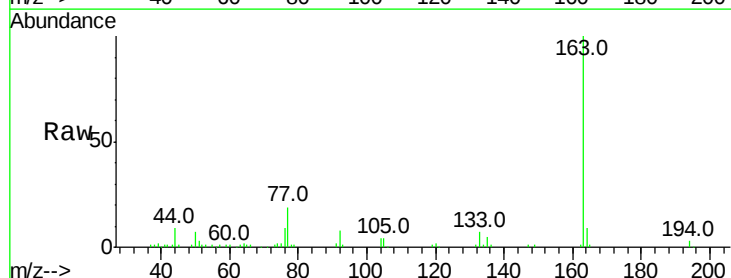
Instrument :
BNA_F
ClientSampleId :

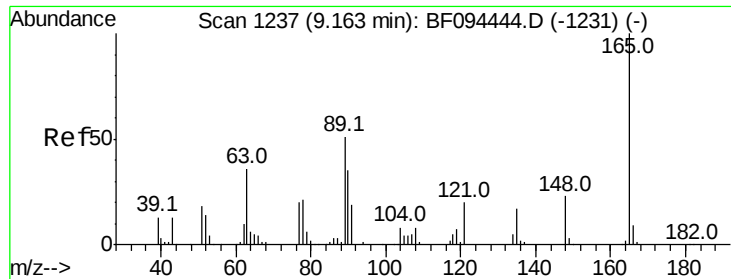
Tot Ion:172 Resp: 371325
Ion Ratio Lower Upper
172 100
171 34.1 29.6 44.4
170 23.8 19.8 29.8



#49
Dimethylphthalate
Concen: 4.05 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BF096222.D
Acq: 27 Jun 2017 18:02

Tgt Ion:163 Resp: 85219
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.3 8.4 12.6





#50

2,6-Dinitrotoluene

Concen: 8.58 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.20 min

Lab File: BF096222.D

Acq: 27 Jun 2017 18:02

Instrument :

BNA_F

ClientSampleId :

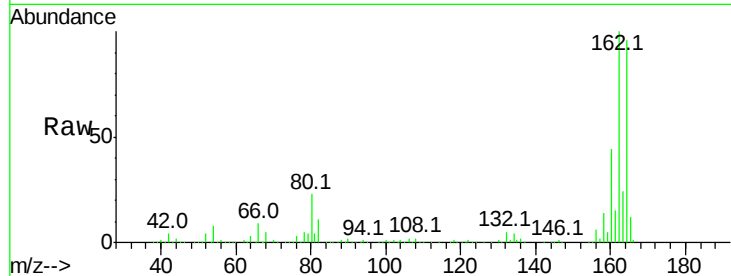
Tot Ion:165 Resp: 37521

Ion Ratio Lower Upper

165 100

63 1.3 34.3 51.5#

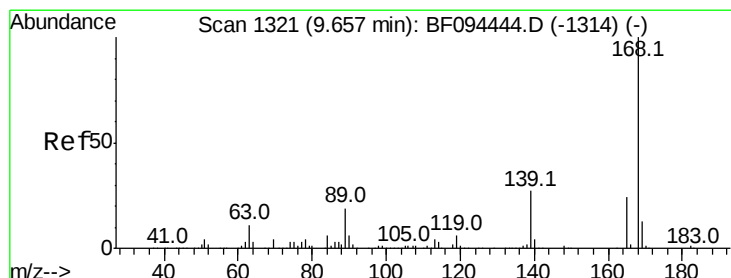
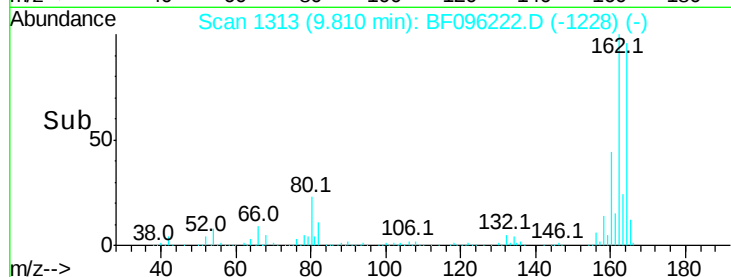
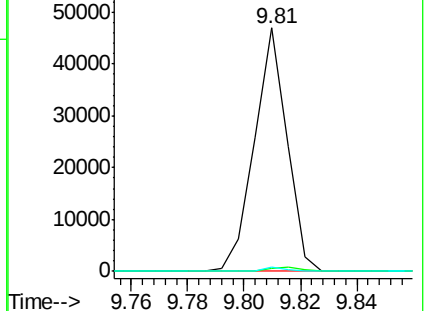
89 1.8 37.1 55.7#



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: 6.81 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.20 min

Lab File: BF096222.D

Acq: 27 Jun 2017 18:02

Tgt Ion:165 Resp: 37521

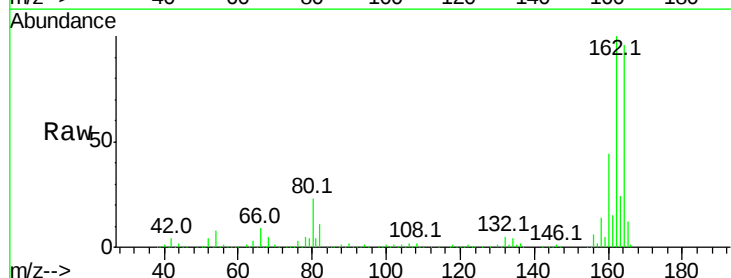
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 1.8 46.4 69.6#

182 0.0 1.8 2.6#

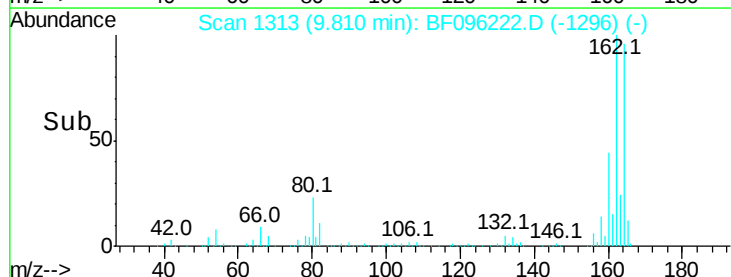
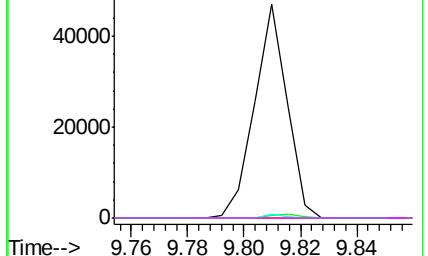


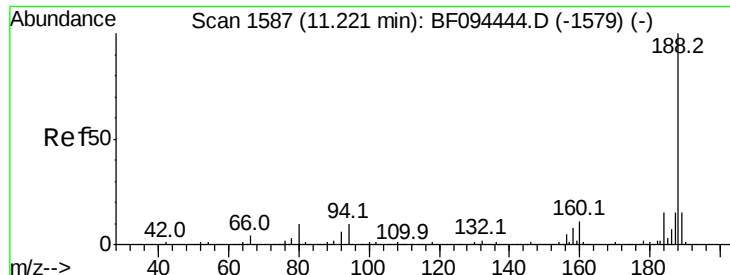
Abundance Ion 165.00 (164.70 to 165.70): E

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

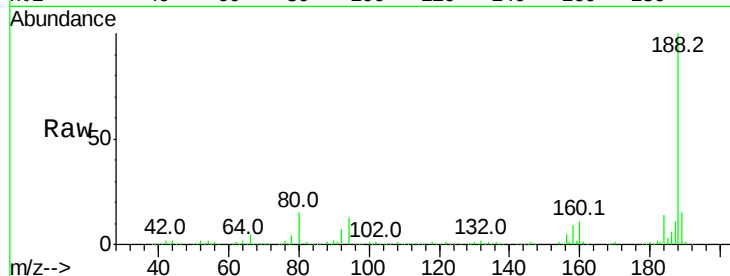




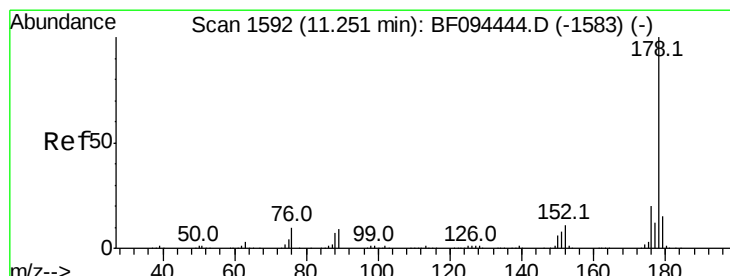
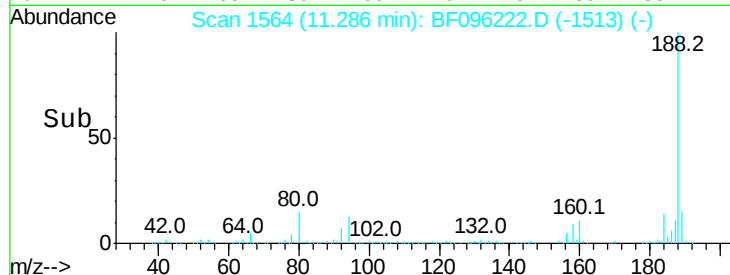
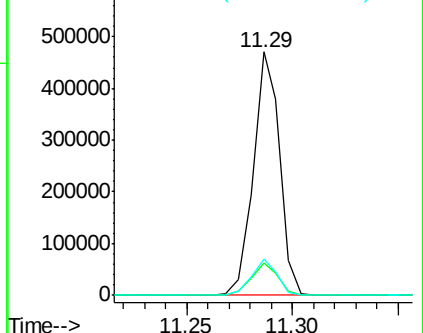
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BF096222.D
Acq: 27 Jun 2017 18:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 407047
Ion Ratio Lower Upper
188 100
94 13.4 9.4 14.2
80 14.6 10.2 15.2

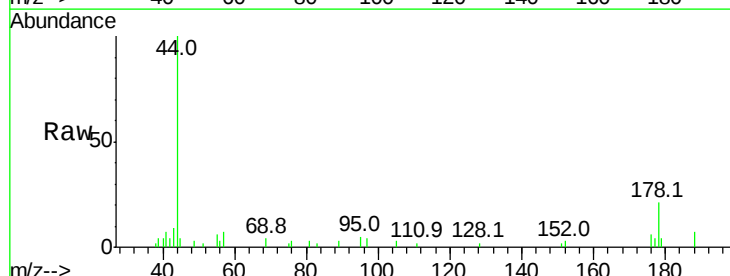


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

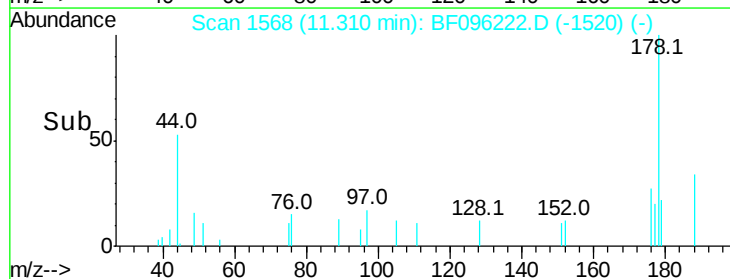
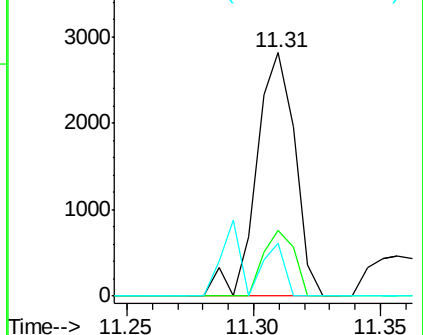


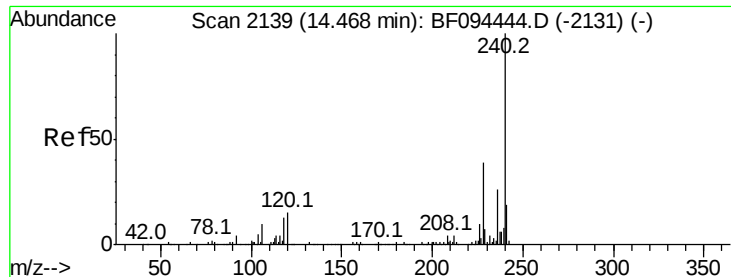
#70
Phenanthrene
Concen: Below Cal
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096222.D
Acq: 27 Jun 2017 18:02

Tgt Ion:178 Resp: 2996
Ion Ratio Lower Upper
178 100
176 26.9 16.2 24.4#
179 21.6 12.6 19.0#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096222.D

Acq: 27 Jun 2017 18:02

Instrument :

BNA_F

ClientSampleId :

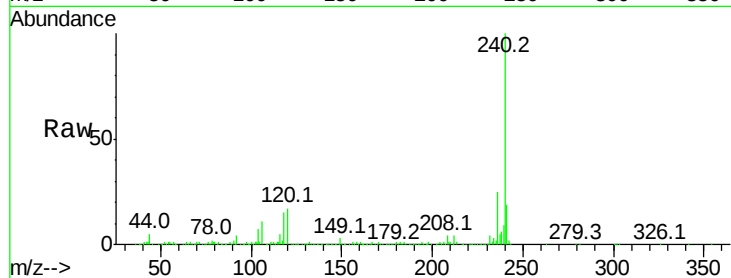
Tot Ion:240 Resp: 334244

Ion Ratio Lower Upper

240 100

120 17.1 5.8 8.8#

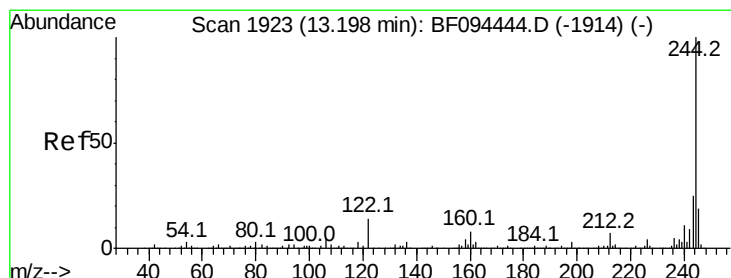
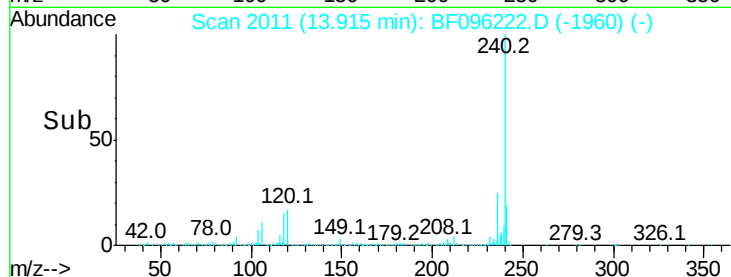
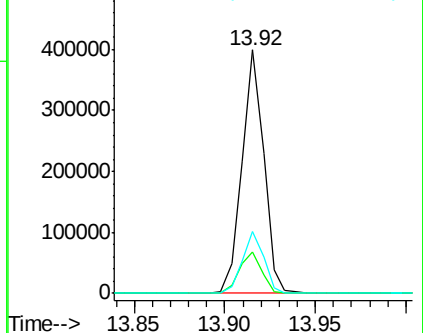
236 25.2 20.5 30.7



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: 14.62 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096222.D

Acq: 27 Jun 2017 18:02

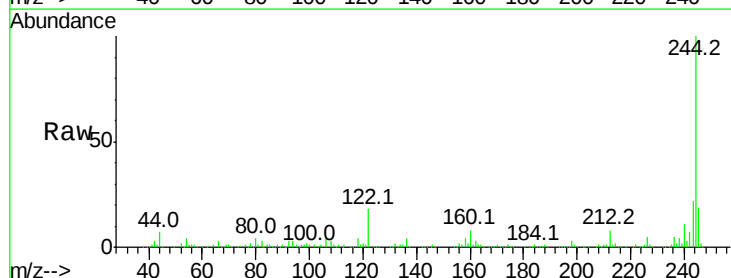
Tgt Ion:244 Resp: 195808

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

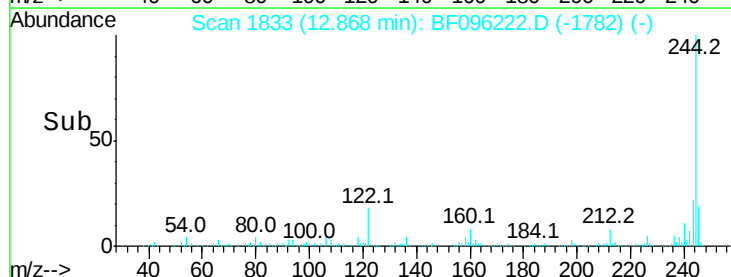
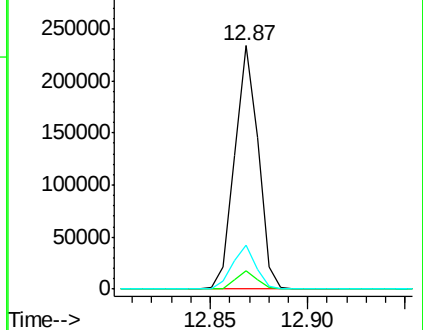
122 18.1 10.3 15.5#

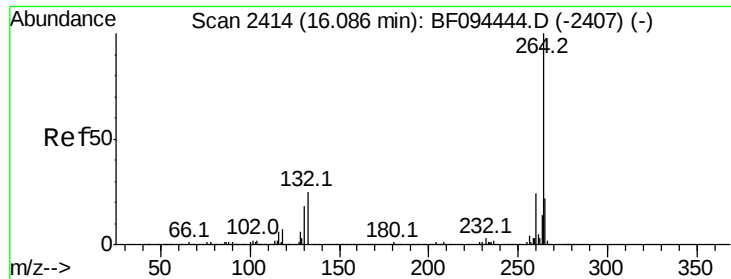


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

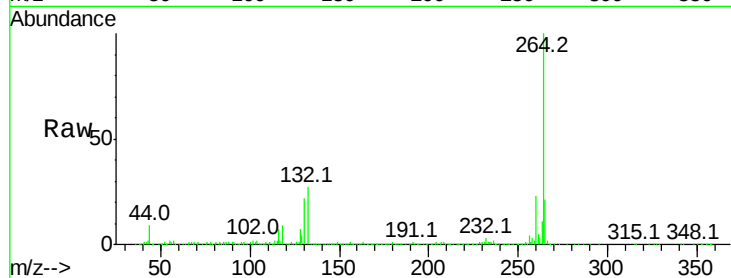




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 2253
Delta R.T. -0.00 min
Lab File: BF096222.D
Acq: 27 Jun 2017 18:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	20.6	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

