

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097796.D
 Acq On : 17 Aug 2017 19:58
 Operator : SJ/JU
 Sample : I4817-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-081517

Quant Time: Aug 18 01:32:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

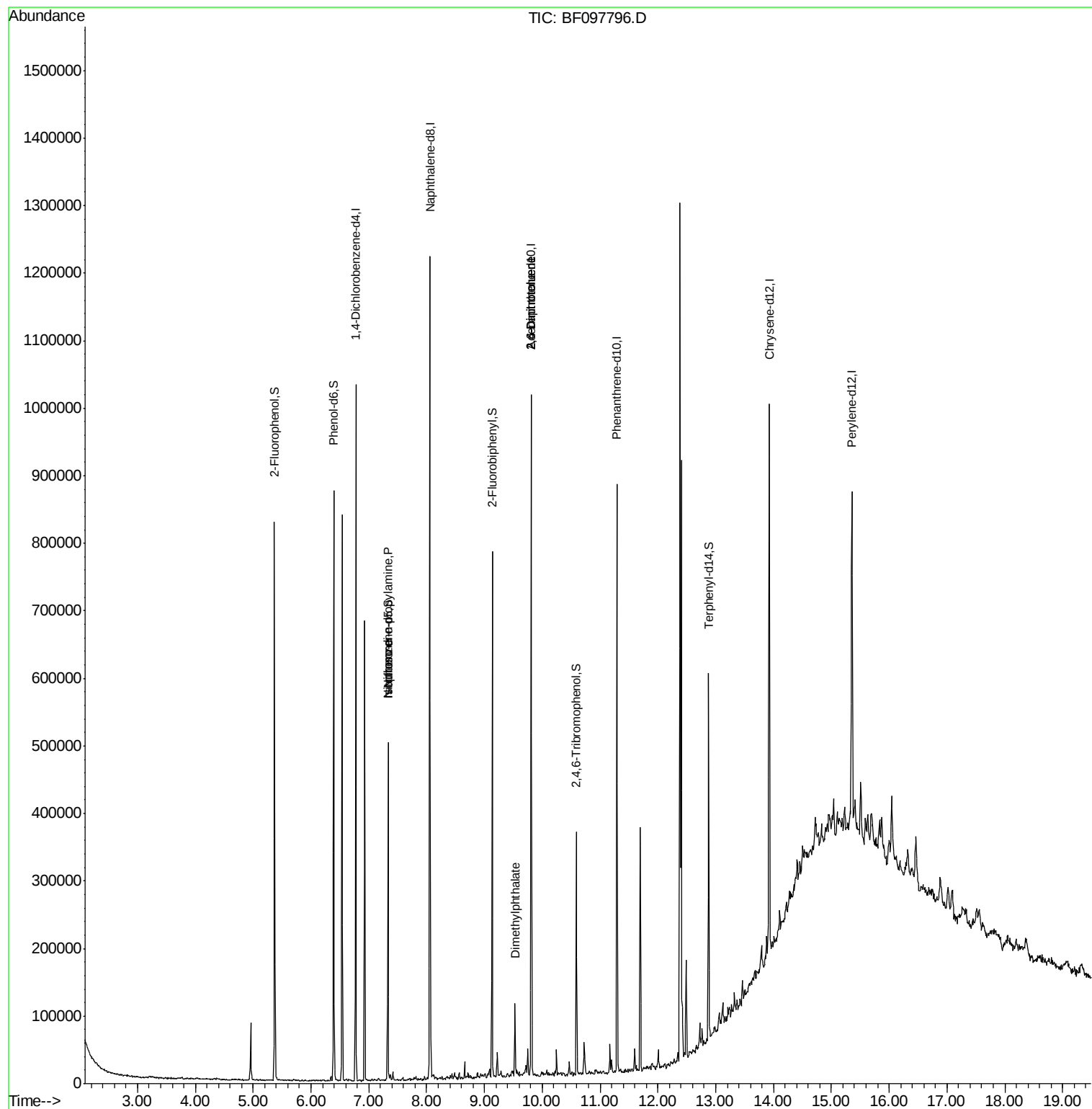
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	126016	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	453040	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	163375	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	262150	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	274483	20.00	ng	-0.01
86) Perylene-d12	15.36	264	224128	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	208575	25.18	ng	-0.02
7) Phenol-d6	6.39	99	270346	24.02	ng	-0.02
23) Nitrobenzene-d5	7.33	82	155461	18.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	28055	19.79	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	205710	18.50	ng	-0.01
78) Terphenyl-d14	12.87	244	142400	10.82	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	21096	2.74	ng	# 75
25) Isophorone	7.33	82	155461	8.97	ng	# 67
49) Dimethylphthalate	9.53	163	30028	2.51	ng	99
50) 2,6-Dinitrotoluene	9.81	165	21415	8.98	ng	# 35
56) 2,4-Dinitrotoluene	9.81	165	21415	7.16	ng	# 34

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

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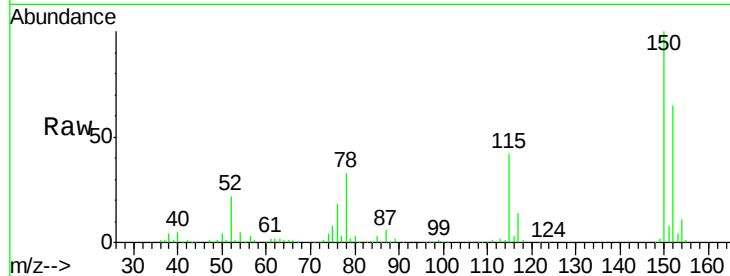


#1

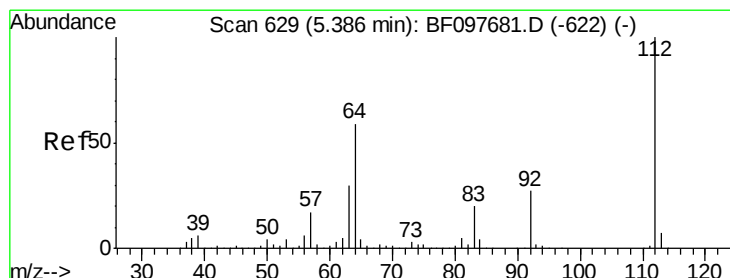
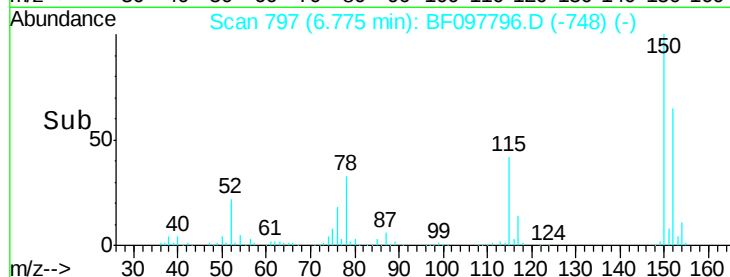
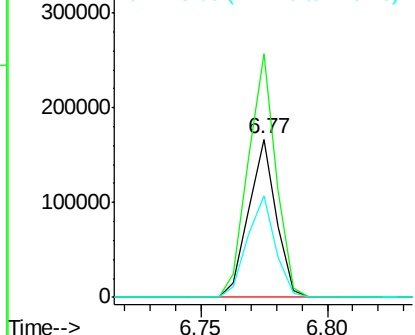
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097796.D
Acq: 17 Aug 2017 19:58

Instrument :
BNA_F
ClientSampleId :
SU-03-081517

Tot Ion:152 Resp: 126016
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.2
115 64.6 52.2 78.2



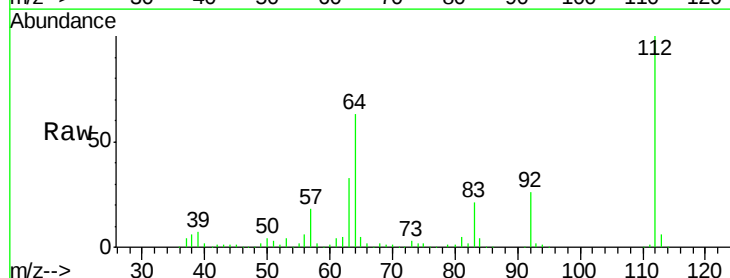
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



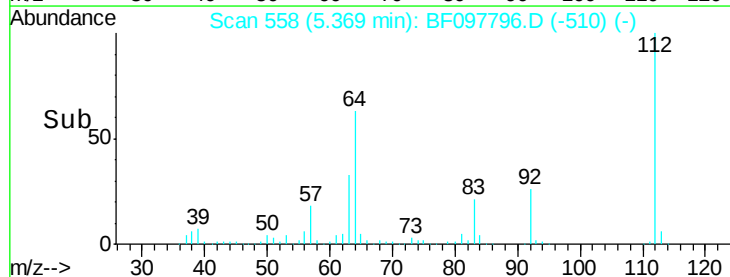
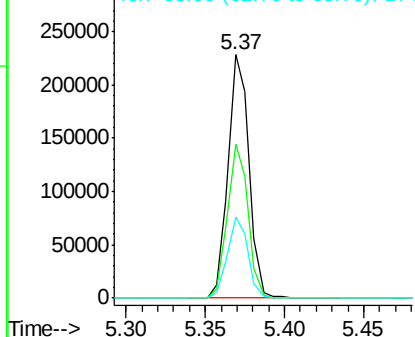
#5

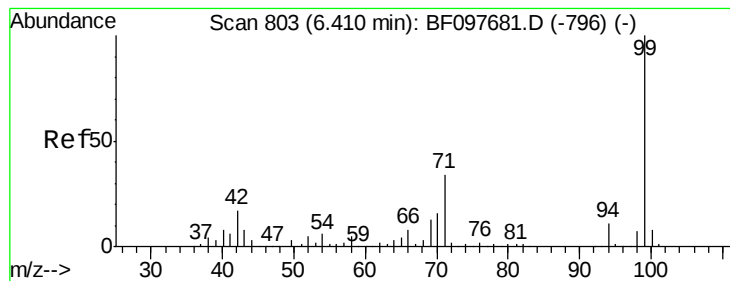
2-Fluorophenol
Concen: 25.18 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.02 min
Lab File: BF097796.D
Acq: 17 Aug 2017 19:58

Tgt Ion:112 Resp: 208575
Ion Ratio Lower Upper
112 100
64 63.2 46.0 69.0
63 33.5 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: 24.02 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097796.D

Acq: 17 Aug 2017 19:58

Instrument :

BNA_F

ClientSampleId :

SU-03-081517

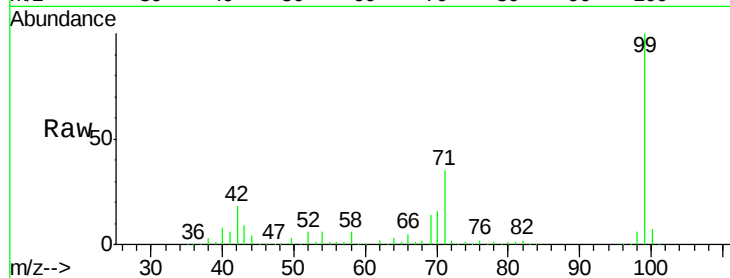
Tot Ion: 99 Resp: 270346

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

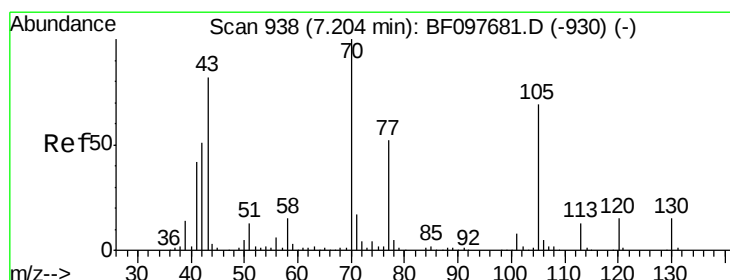
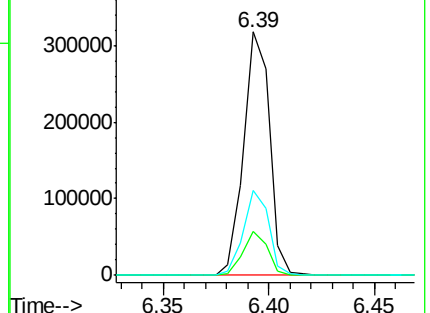
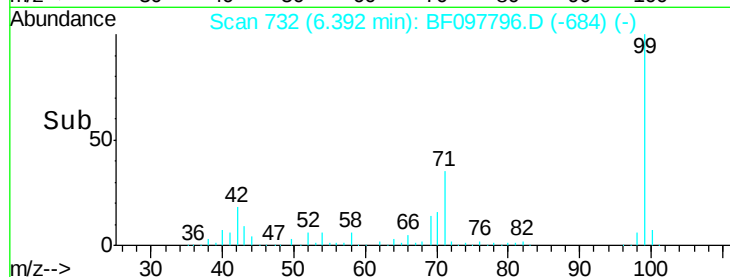
71 35.0 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.74 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.13 min

Lab File: BF097796.D

Acq: 17 Aug 2017 19:58

Tgt Ion: 70 Resp: 21096

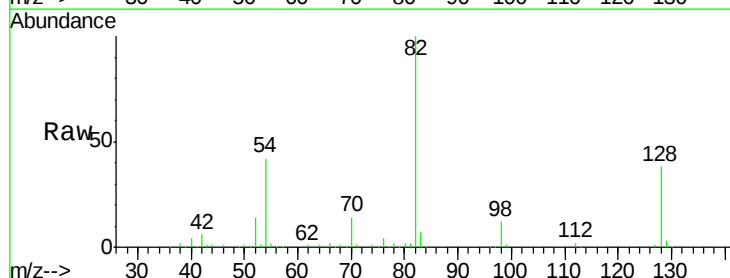
Ion Ratio Lower Upper

70 100

42 43.9 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

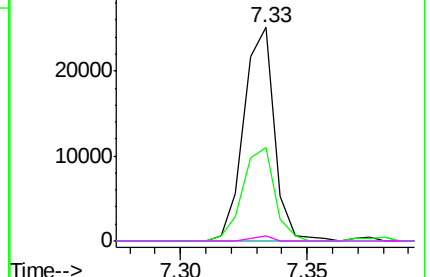
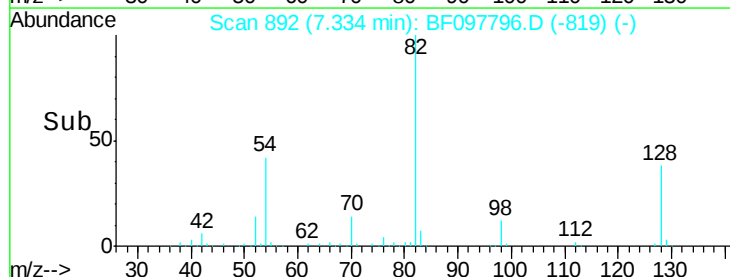


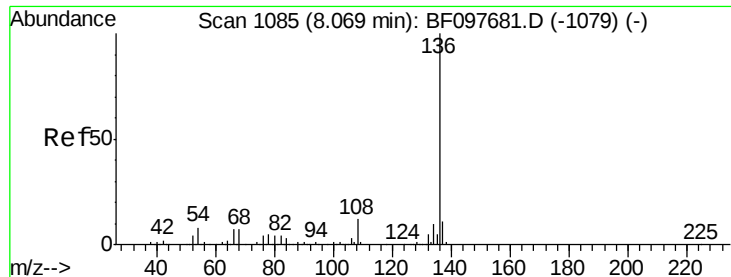
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF097796.D

Acq: 17 Aug 2017 19:58

Instrument :

BNA_F

ClientSampleId :

SU-03-081517

Tot Ion:136 Resp: 453040

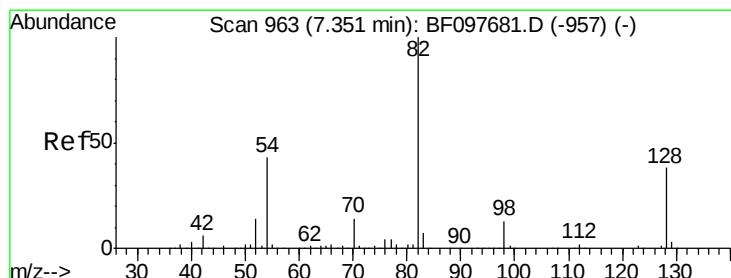
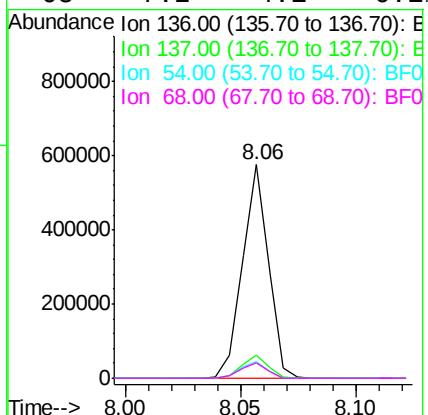
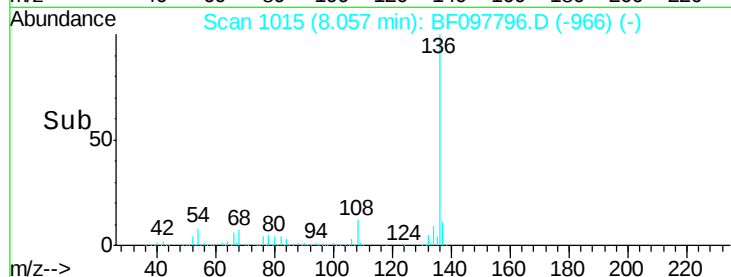
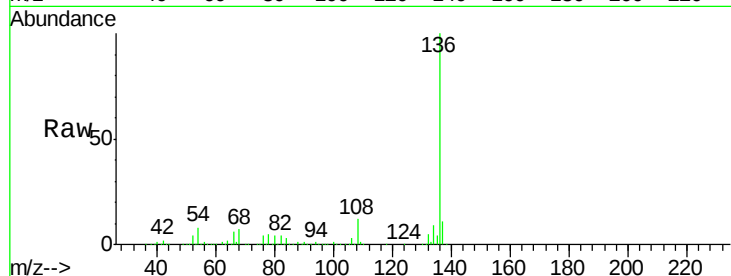
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.8 4.9 7.3#

68 7.2 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 18.64 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097796.D

Acq: 17 Aug 2017 19:58

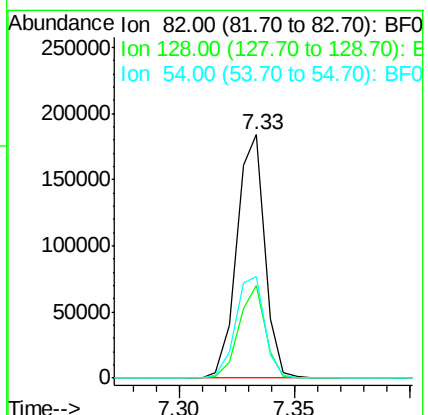
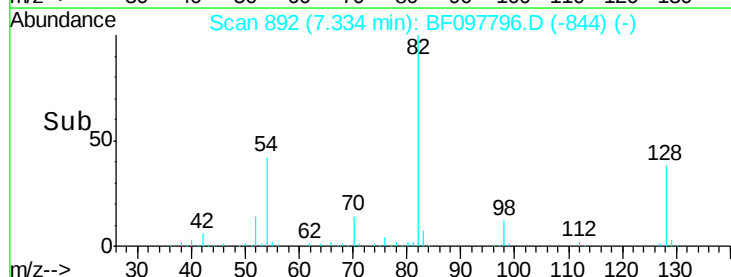
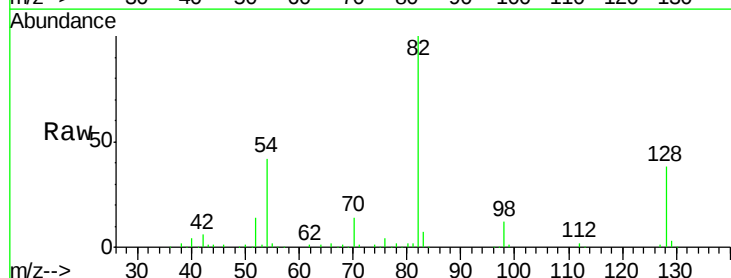
Tgt Ion: 82 Resp: 155461

Ion Ratio Lower Upper

82 100

128 38.1 34.0 51.0

54 41.9 42.2 63.2#





#25

Isophorone

Concen: 8.97 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.28 min

Lab File: BF097796.D

Acq: 17 Aug 2017 19:58

Instrument :

BNA_F

ClientSampleId :

SU-03-081517

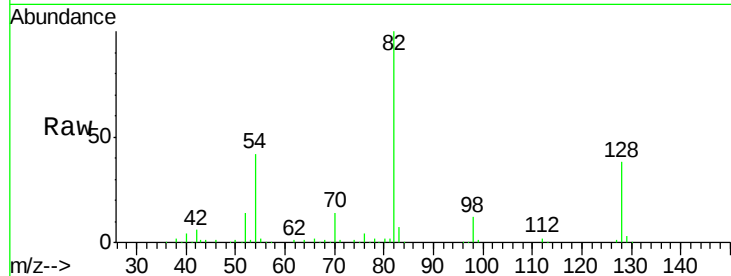
Tot Ion: 82 Resp: 155461

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

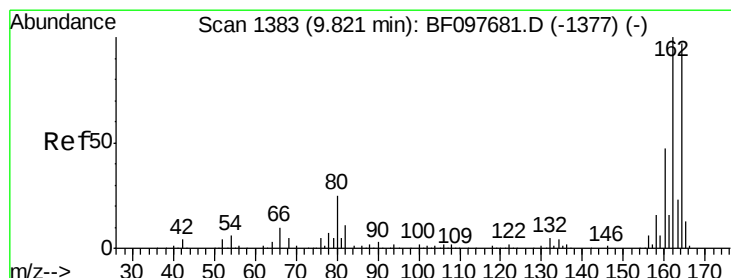
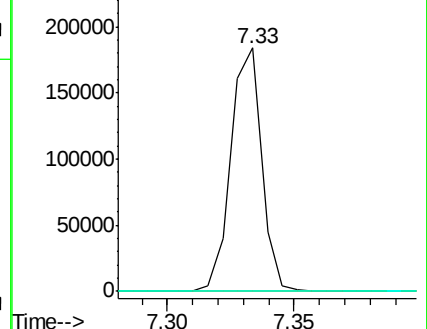
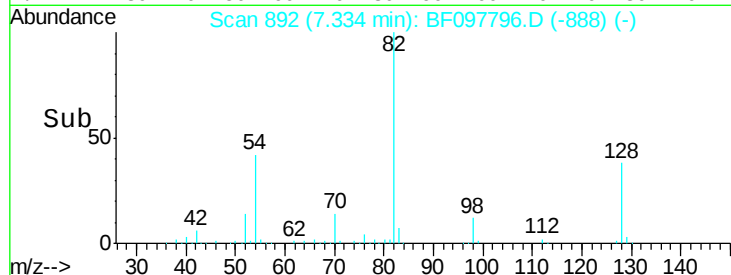
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF097796.D (-888) (-)

Ion 95.00 (94.70 to 95.70): BF097796.D (-888) (-)

Ion 138.00 (137.70 to 138.70): BF097796.D (-888) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF097796.D

Acq: 17 Aug 2017 19:58

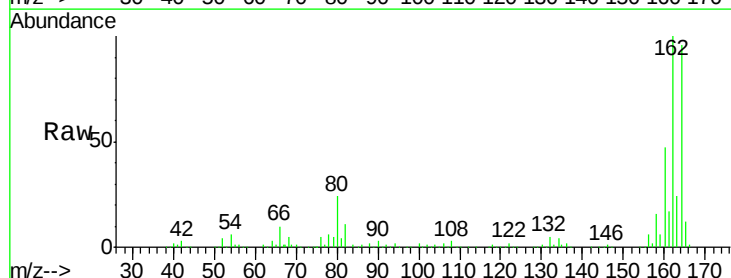
Tgt Ion: 164 Resp: 163375

Ion Ratio Lower Upper

164 100

162 104.5 82.6 123.8

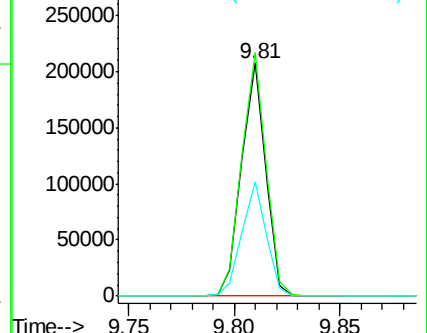
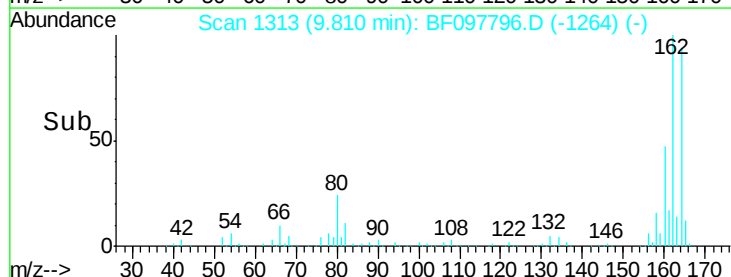
160 49.0 36.2 54.2

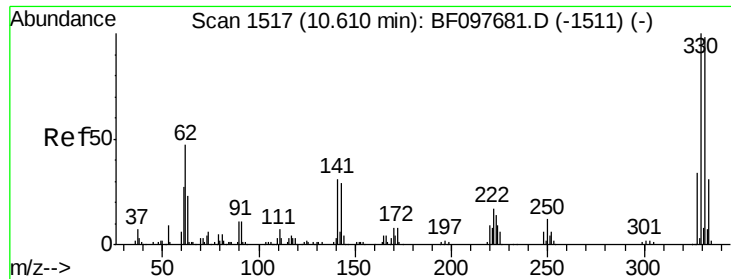


Abundance Ion 164.00 (163.70 to 164.70): BF097796.D (-1264) (-)

Ion 162.00 (161.70 to 162.70): BF097796.D (-1264) (-)

Ion 160.00 (159.70 to 160.70): BF097796.D (-1264) (-)

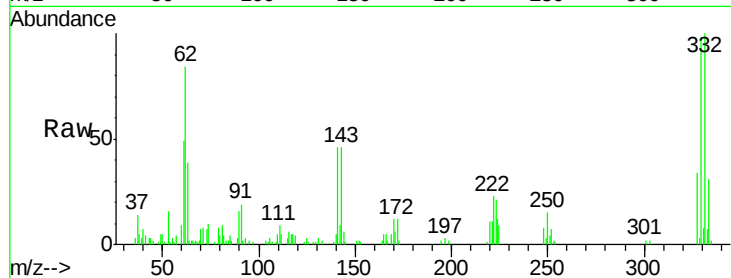




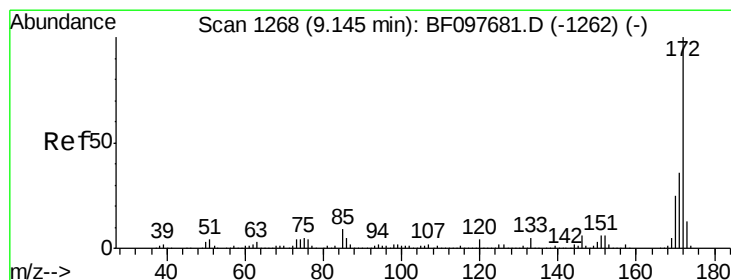
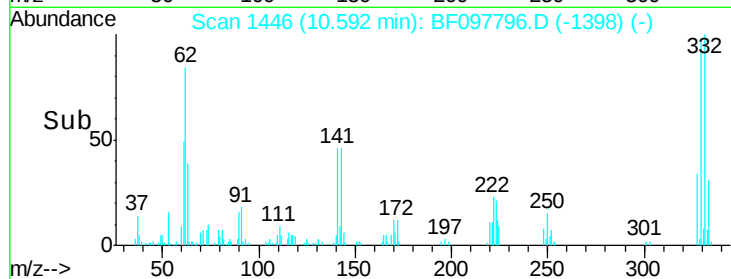
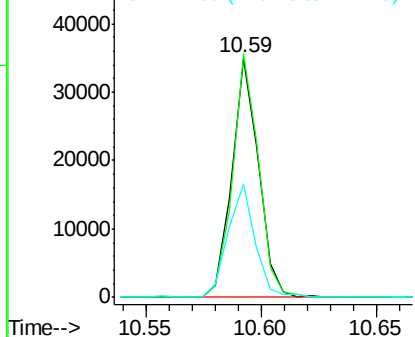
#41
 2,4,6-Tribromophenol
 Concen: 19.79 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF097796.D
 Acq: 17 Aug 2017 19:58

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-081517

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.2	76.6	115.0
141	47.9	31.4	47.2#

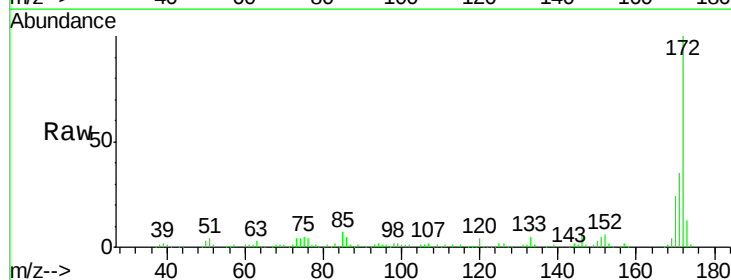


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

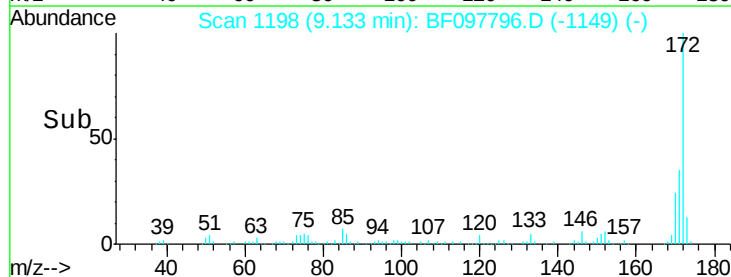
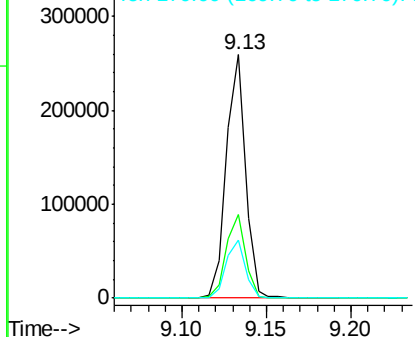


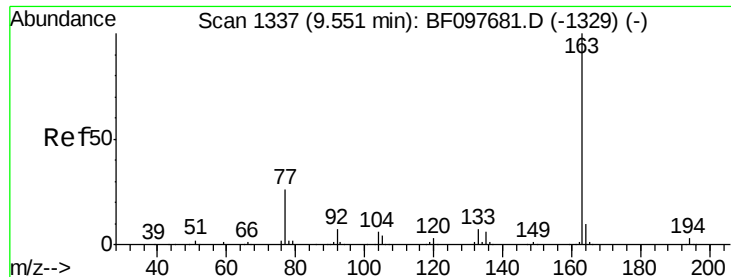
#44
 2-Fluorobiphenyl
 Concen: 18.50 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097796.D
 Acq: 17 Aug 2017 19:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.6	44.4
170	23.8	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

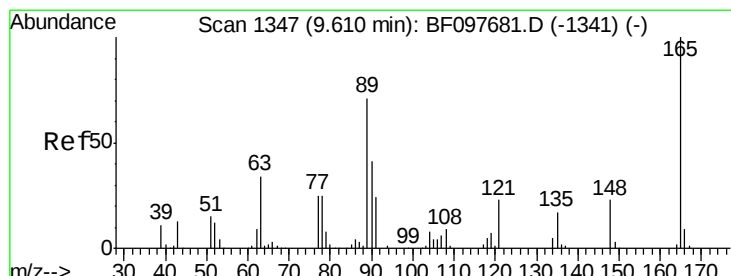
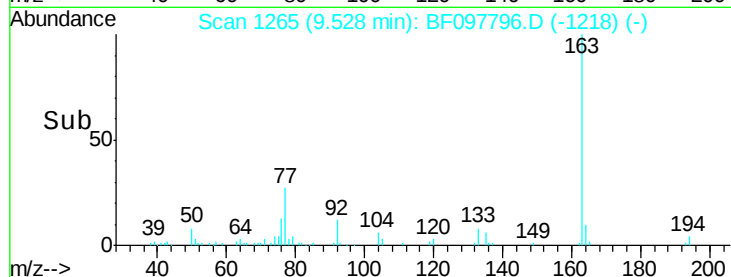
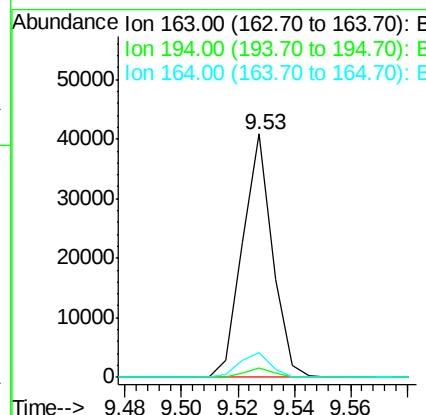
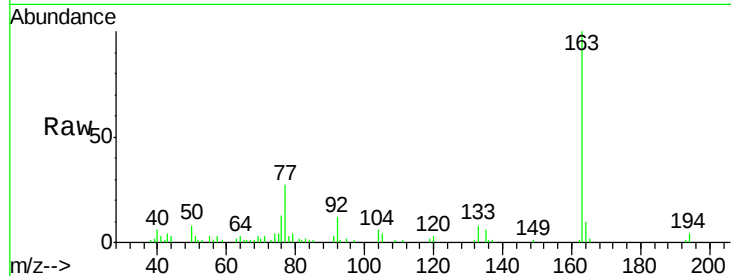




#49
Dimethylphthalate
Concen: 2.51 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF097796.D
Acq: 17 Aug 2017 19:58

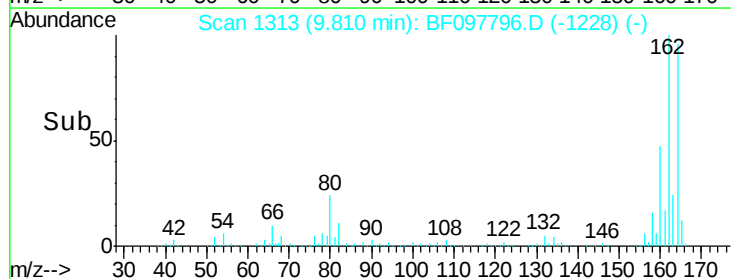
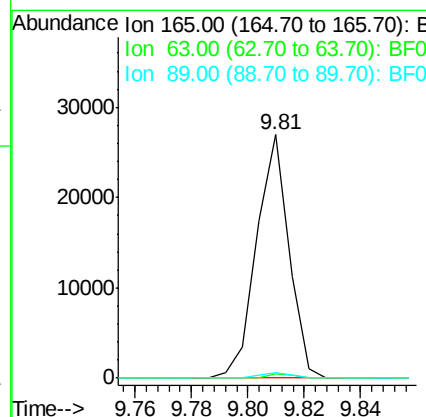
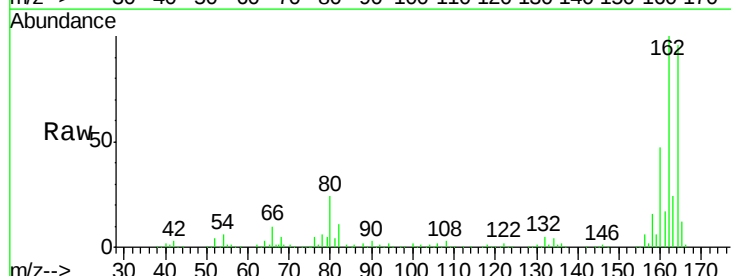
Instrument :
BNA_F
ClientSampleID :
SU-03-081517

Tot Ion:163 Resp: 30028
Ion Ratio Lower Upper
163 100
194 3.8 2.6 4.0
164 10.1 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 8.98 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.20 min
Lab File: BF097796.D
Acq: 17 Aug 2017 19:58

Tgt Ion:165 Resp: 21415
Ion Ratio Lower Upper
165 100
63 1.6 34.3 51.5#
89 2.5 37.1 55.7#

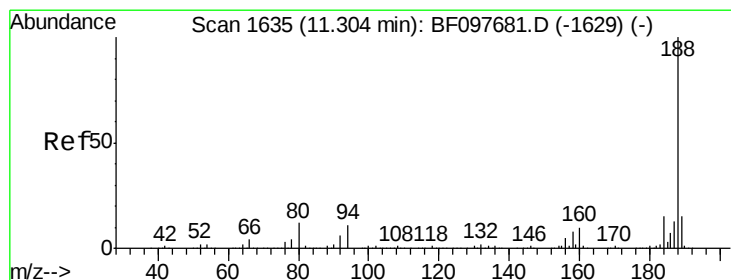
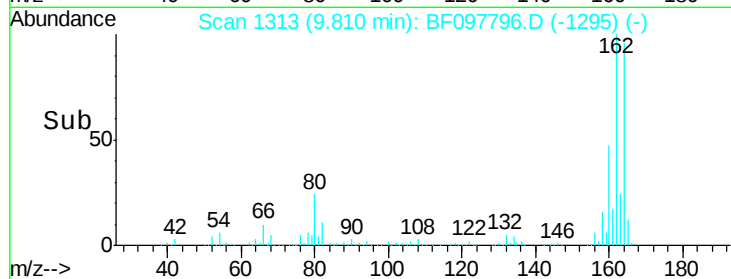
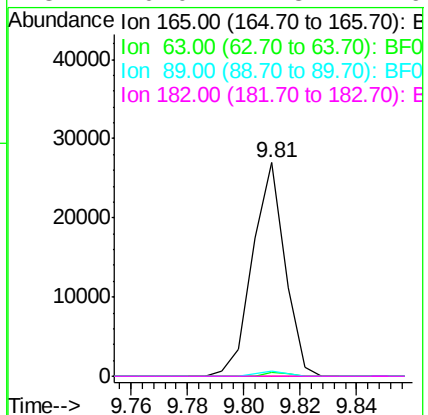
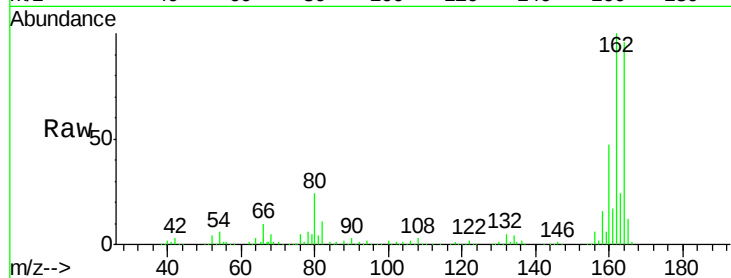




#56
 2,4-Dinitrotoluene
 Concen: 7.16 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF097796.D
 Acq: 17 Aug 2017 19:58

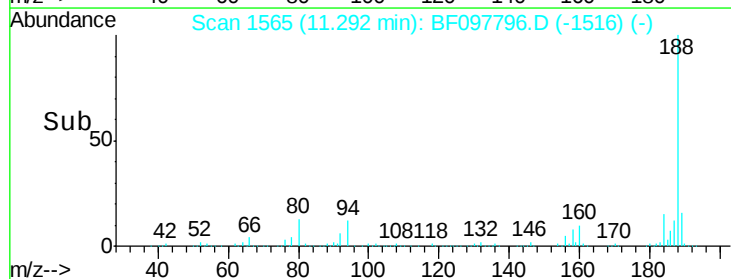
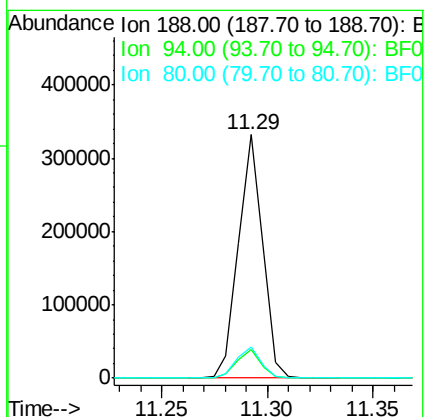
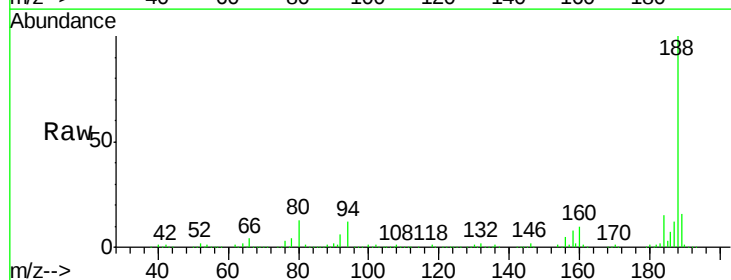
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-081517

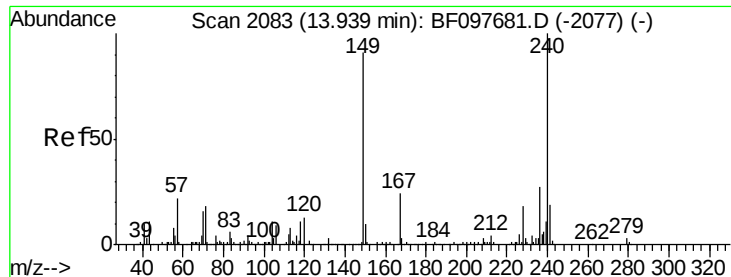
Tot Ion:165	Resp:	21415
Ion Ratio	Lower	Upper
165	100	
63	1.6	25.4 38.0#
89	2.5	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF097796.D
 Acq: 17 Aug 2017 19:58

Tgt Ion:188	Resp:	262150
Ion Ratio	Lower	Upper
188	100	
94	11.8	9.4 14.2
80	12.7	10.2 15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF097796.D

Acq: 17 Aug 2017 19:58

Instrument :

BNA_F

ClientSampleId :

SU-03-081517

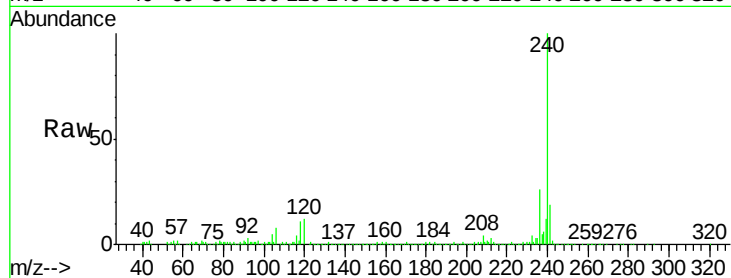
Tot Ion:240 Resp: 274483

Ion Ratio Lower Upper

240 100

120 12.2 5.8 8.8#

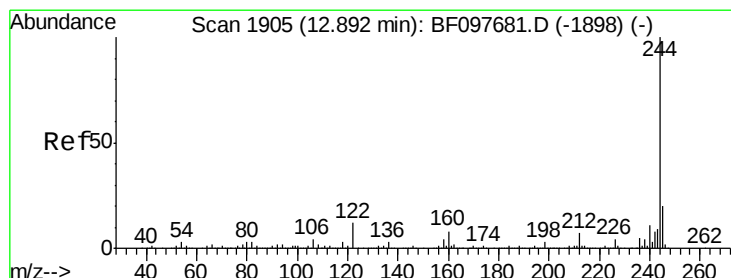
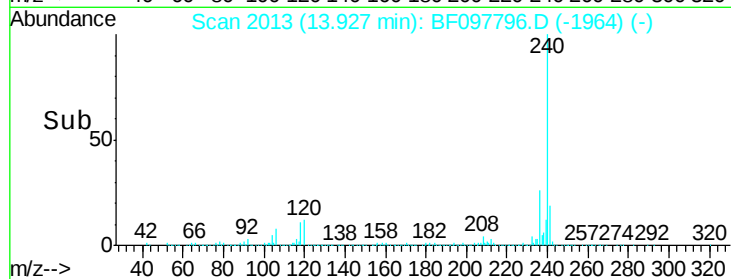
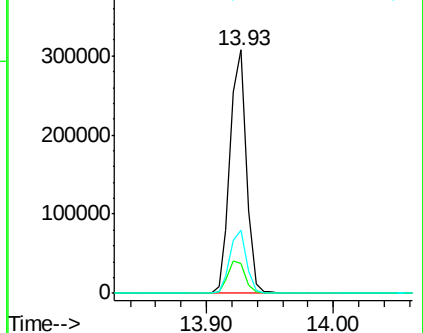
236 25.9 20.5 30.7



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: 10.82 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF097796.D

Acq: 17 Aug 2017 19:58

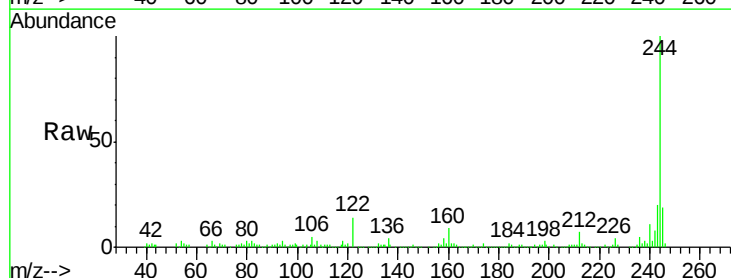
Tgt Ion:244 Resp: 142400

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

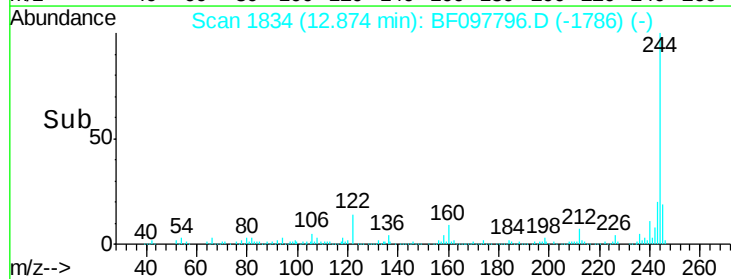
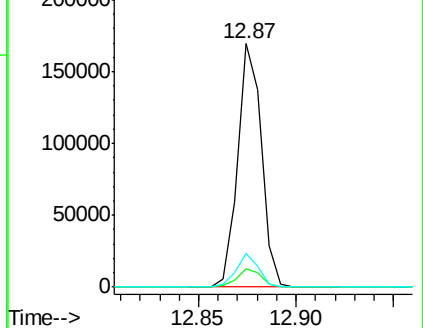
122 13.8 10.3 15.5

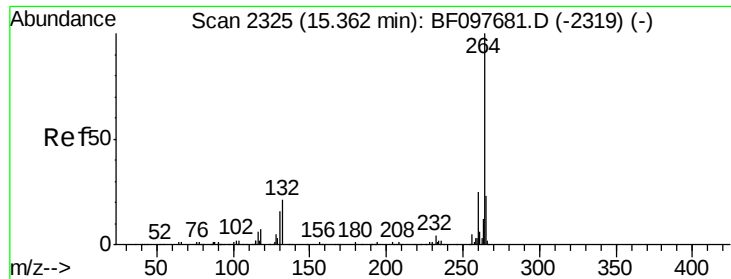


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF097796.D
Acq: 17 Aug 2017 19:58

Instrument :
BNA_F
ClientSampleId :
SU-03-081517

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.2	17.2	25.8

