

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097856.D
 Acq On : 19 Aug 2017 2:15
 Operator : SJ/JU
 Sample : I4825-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-A-B-COMP

Quant Time: Aug 19 03:10:44 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

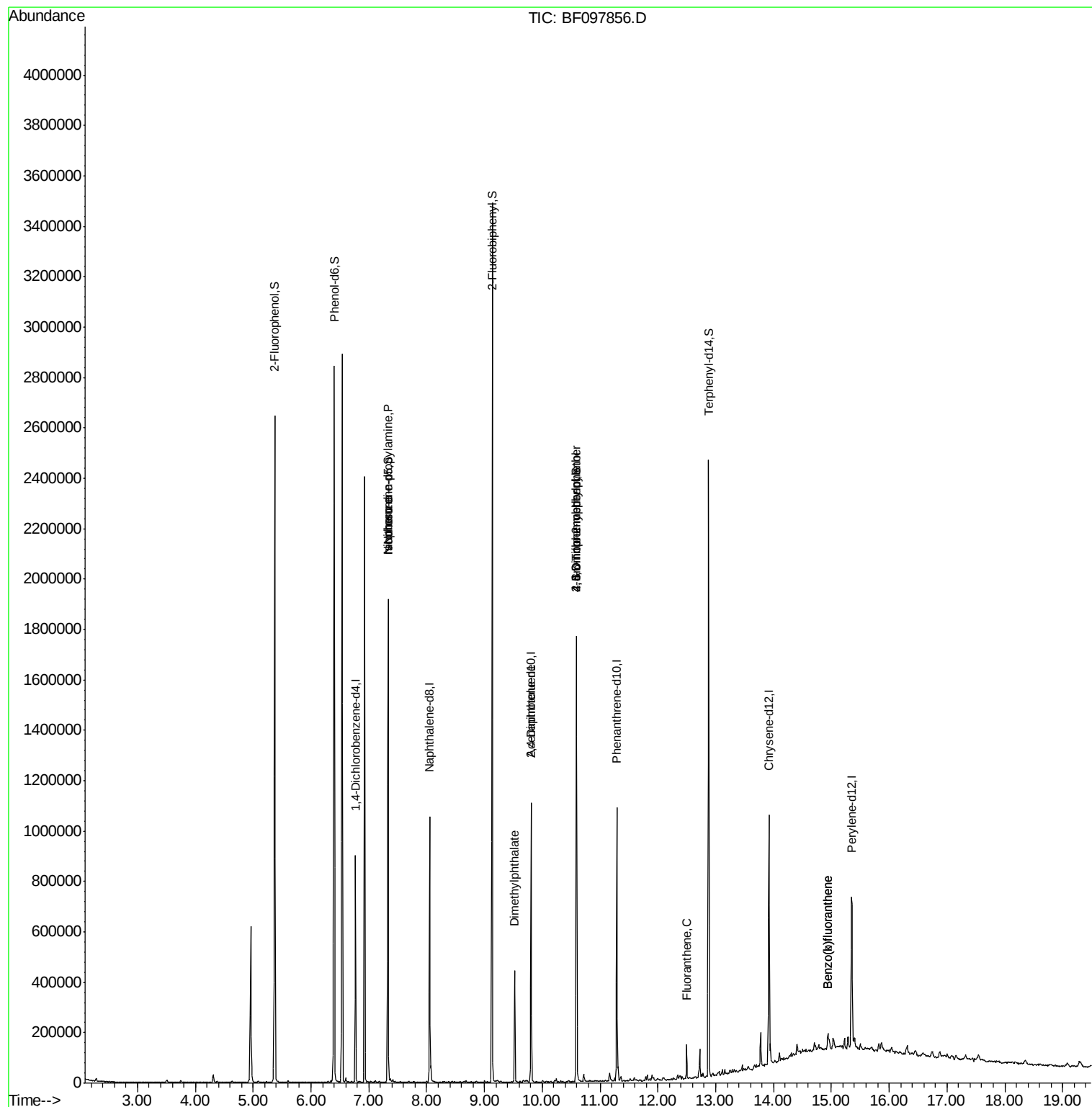
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	116293	20.00	ng	-0.02
21) Naphthalene-d8	8.06	136	462672	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	202155	20.00	ng	-0.02
63) Phenanthrene-d10	11.29	188	390194	20.00	ng	-0.01
75) Chrysene-d12	13.92	240	296857	20.00	ng	-0.02
86) Perylene-d12	15.35	264	276921	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	754424	98.68	ng	-0.01
7) Phenol-d6	6.40	99	1073571	103.35	ng	0.00
23) Nitrobenzene-d5	7.33	82	679626	79.80	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	195936	111.71	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	1010092	73.41	ng	-0.01
78) Terphenyl-d14	12.88	244	784473	55.11	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	93281	13.12	ng	# 72
25) Isophorone	7.33	82	675372	38.14	ng	# 67
49) Dimethylphthalate	9.52	163	154266	10.44	ng	98
56) 2,4-Dinitrotoluene	9.80	165	26073	7.04	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.59	198	541	8.56	ng	# 1
66) 4-Bromophenyl-phenylether	10.59	248	13211	3.26	ng	# 1
74) Fluoranthene	12.50	202	46601	2.15	ng	98
87) Benzo(b)fluoranthene	14.94	252	41537	2.38	ng	# 93
88) Benzo(k)fluoranthene	14.94	252	41537	2.53	ng	96

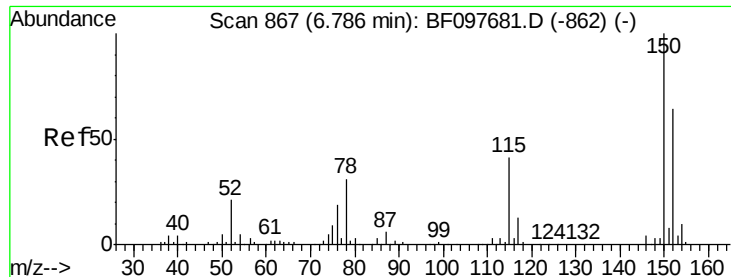
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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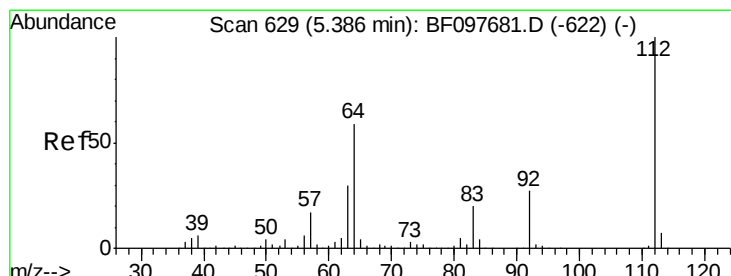
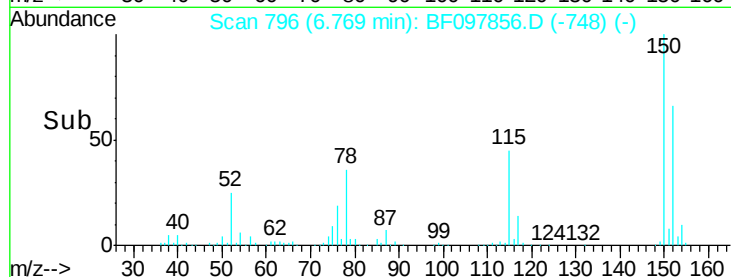
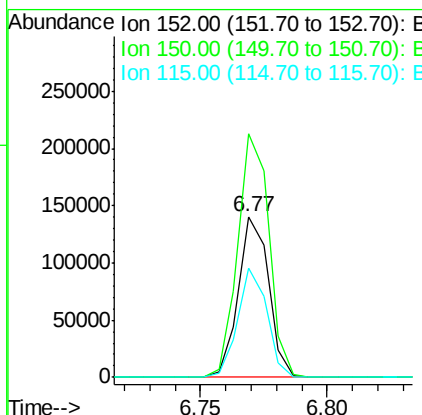
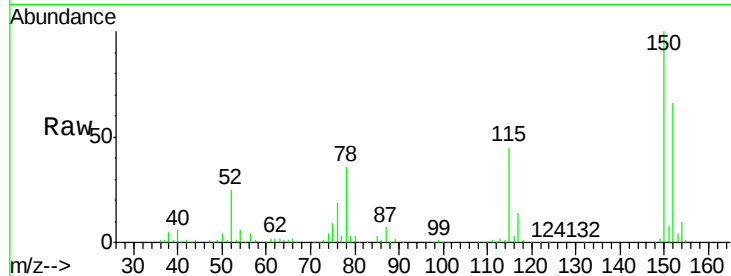


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF097856.D
 Acq: 19 Aug 2017 2:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-A-B-COMP

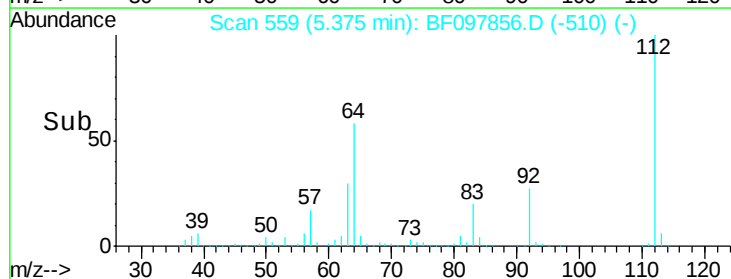
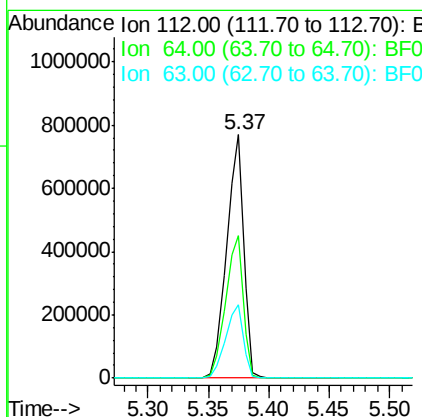
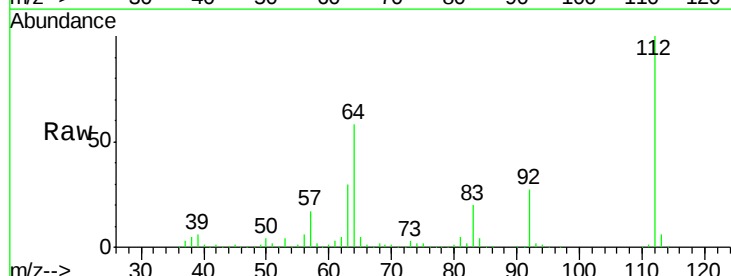
Tot Ion:152 Resp: 116293
 Ion Ratio Lower Upper
 152 100
 150 151.6 126.2 189.2
 115 67.7 52.2 78.2

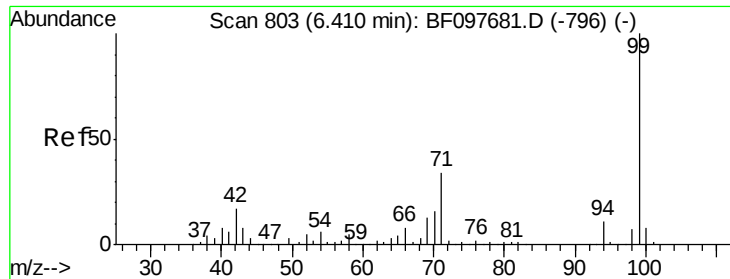


#5

2-Fluorophenol
 Concen: 98.68 ng
 RT: 5.37 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF097856.D
 Acq: 19 Aug 2017 2:15

Tgt Ion:112 Resp: 754424
 Ion Ratio Lower Upper
 112 100
 64 58.4 46.0 69.0
 63 30.3 23.4 35.0





#7

Phenol-d6

Concen: 103.35 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097856.D

Acq: 19 Aug 2017 2:15

Instrument :

BNA_F

ClientSampleId :

TP-A-B-COMP

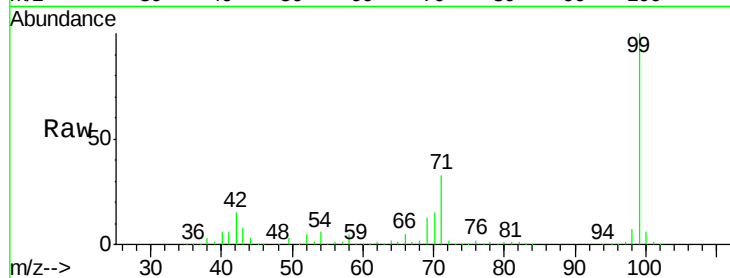
Tot Ion: 99 Resp: 1073571

Ion Ratio Lower Upper

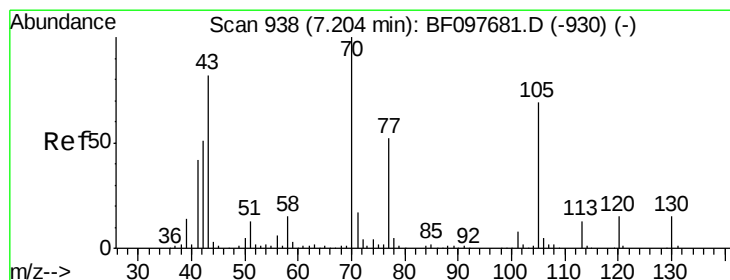
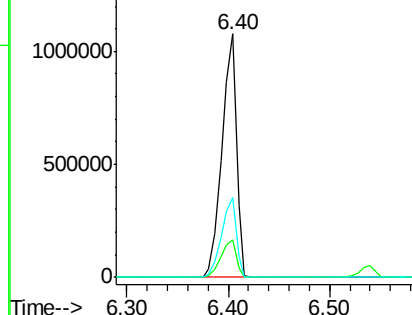
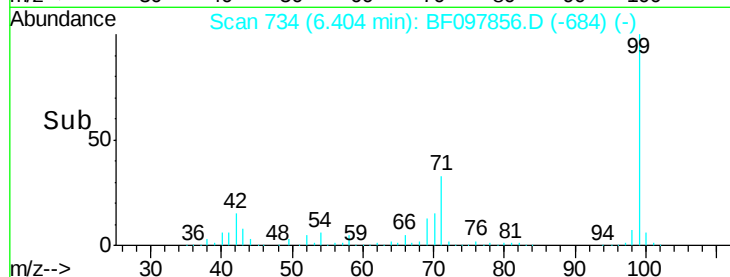
99 100

42 15.4 13.5 20.3

71 32.6 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: 13.12 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.13 min

Lab File: BF097856.D

Acq: 19 Aug 2017 2:15

Tgt Ion: 70 Resp: 93281

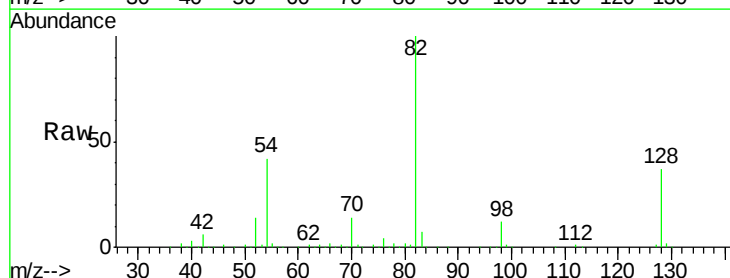
Ion Ratio Lower Upper

70 100

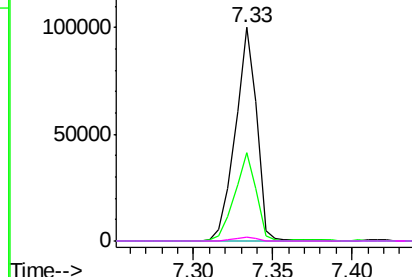
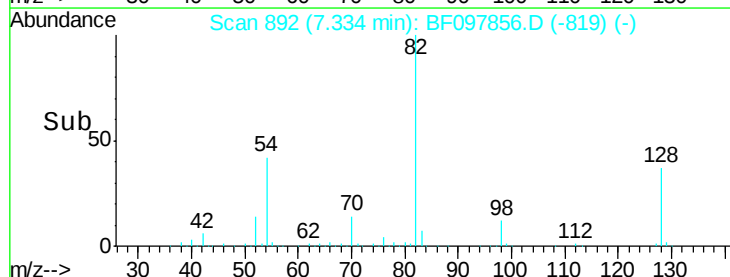
42 41.2 47.2 70.8#

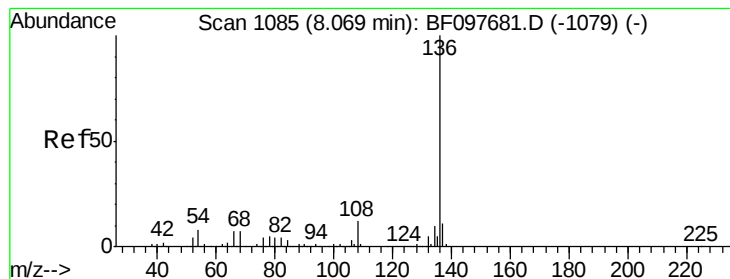
101 0.0 7.2 10.8#

130 1.5 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. -0.01 min

Lab File: BF097856.D

Acq: 19 Aug 2017 2:15

Instrument :

BNA_F

ClientSampleId :

TP-A-B-COMP

Tot Ion:136 Resp: 462672

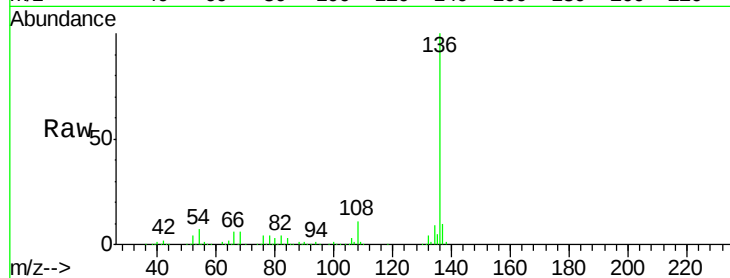
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 6.8 4.9 7.3

68 6.3 4.1 6.1#

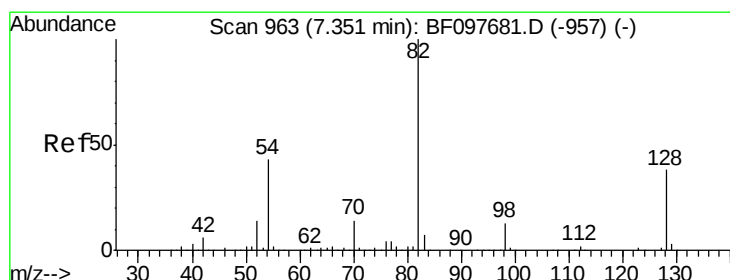
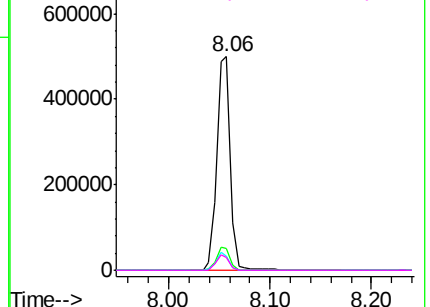
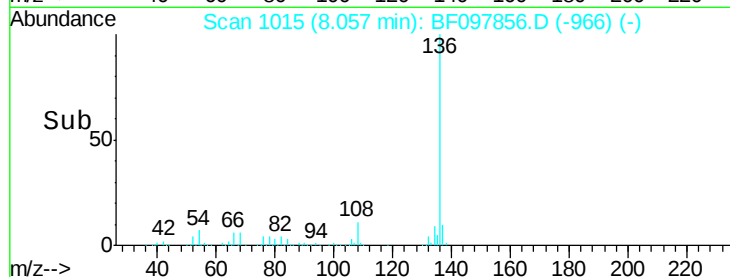


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.80 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097856.D

Acq: 19 Aug 2017 2:15

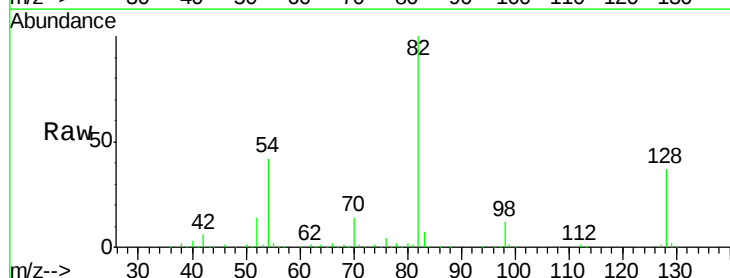
Tgt Ion: 82 Resp: 679626

Ion Ratio Lower Upper

82 100

128 37.4 34.0 51.0

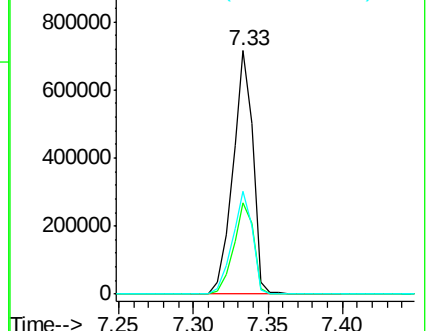
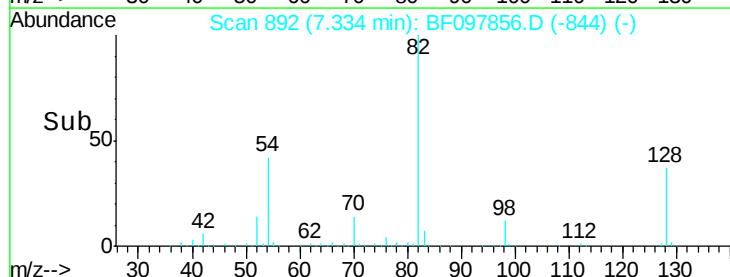
54 42.4 42.2 63.2



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





#25

Isophorone

Concen: 38.14 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.28 min

Lab File: BF097856.D

Acq: 19 Aug 2017 2:15

Instrument :

BNA_F

ClientSampleId :

TP-A-B-COMP

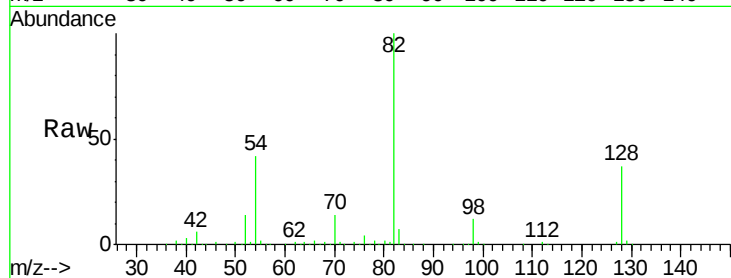
Tot Ion: 82 Resp: 675372

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

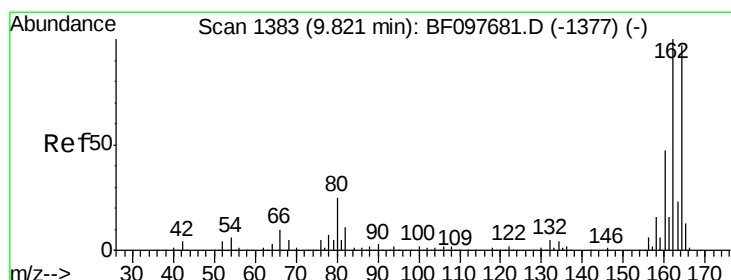
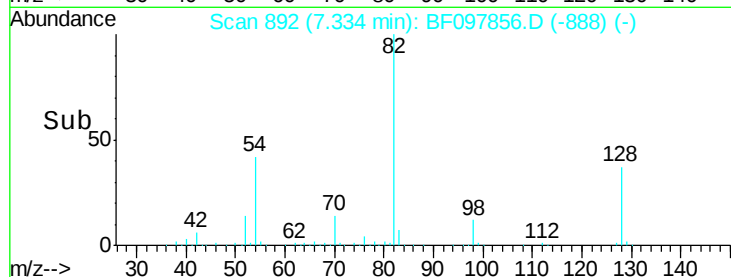
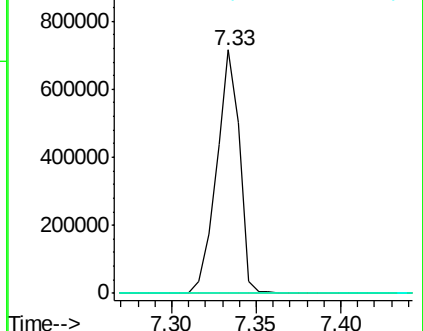
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF097856.D

Acq: 19 Aug 2017 2:15

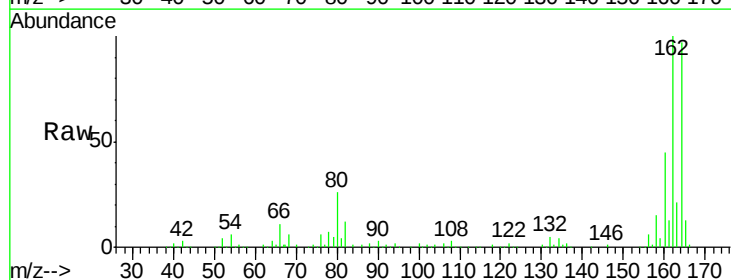
Tgt Ion: 164 Resp: 202155

Ion Ratio Lower Upper

164 100

162 103.0 82.6 123.8

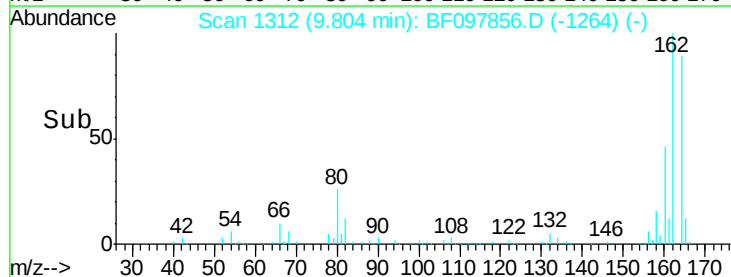
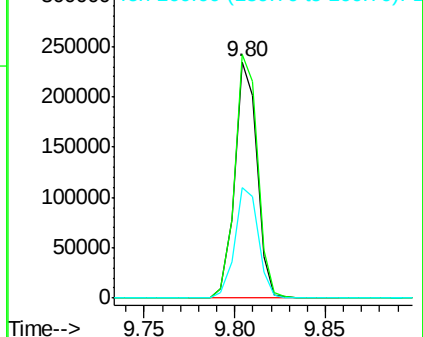
160 46.8 36.2 54.2

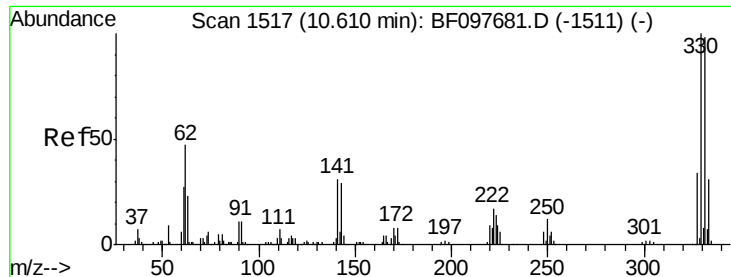


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

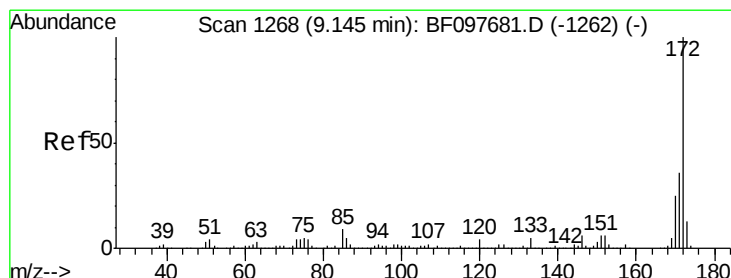
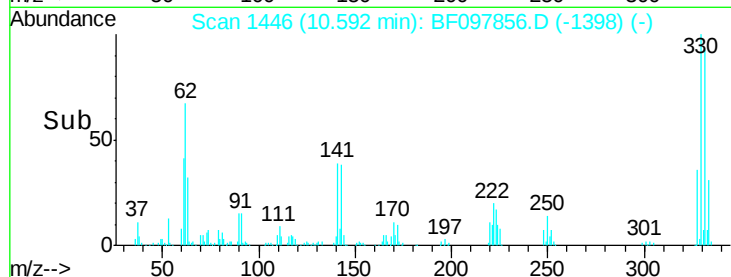
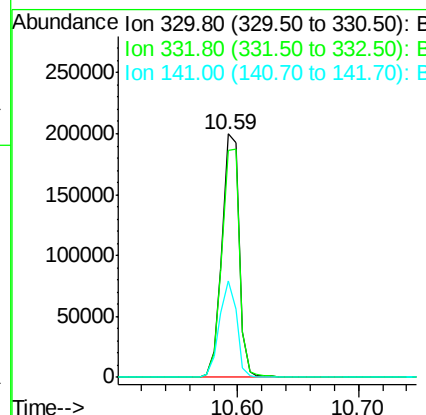
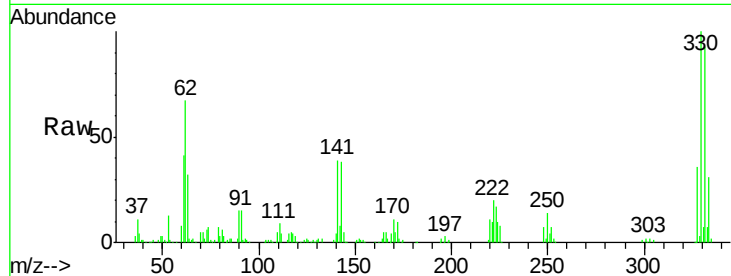




#41
 2,4,6-Tribromophenol
 Concen: 111.71 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF097856.D
 Acq: 19 Aug 2017 2:15

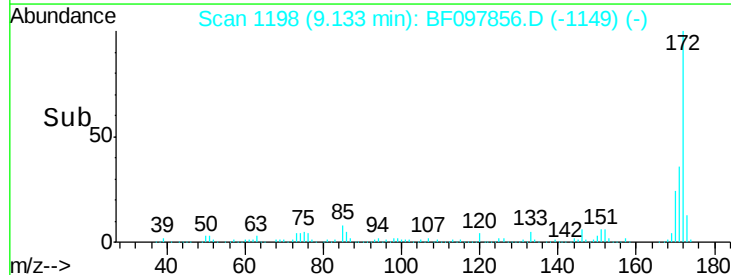
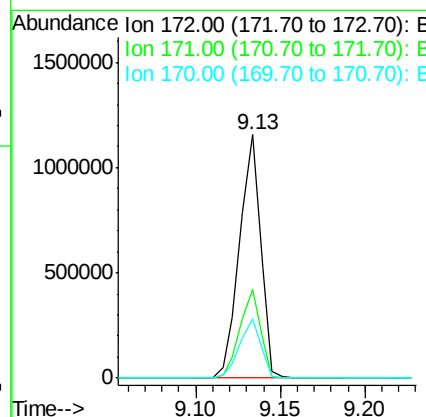
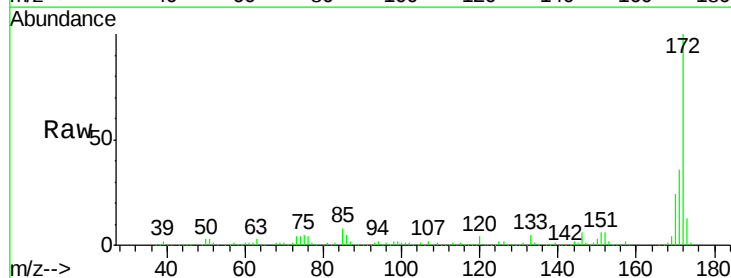
Instrument :
 BNA_F
 ClientSampleId :
 TP-A-B-COMP

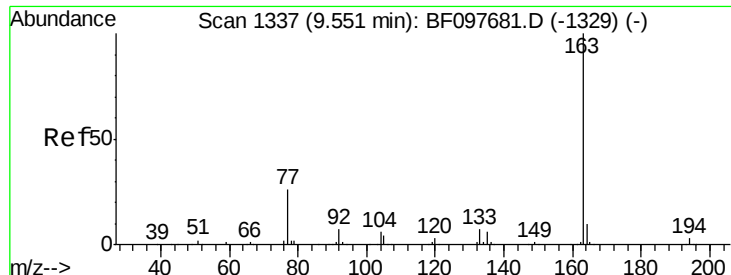
Tot Ion:330 Resp: 195936
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 115.0
 141 39.7 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 73.41 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097856.D
 Acq: 19 Aug 2017 2:15

Tgt Ion:172 Resp: 1010092
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.5 19.8 29.8

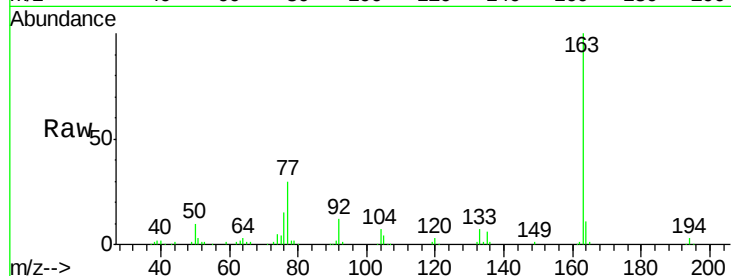




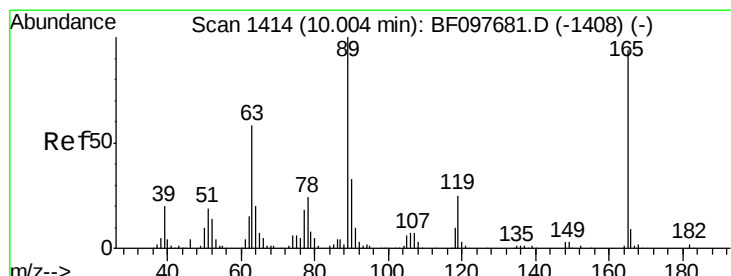
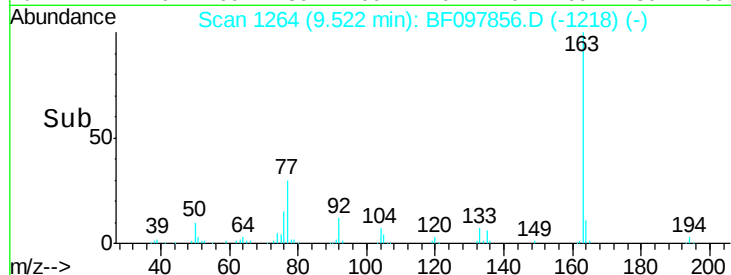
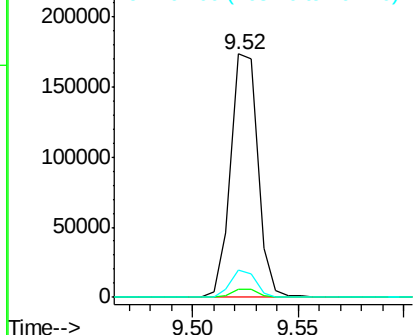
#49
Dimethylphthalate
Concen: 10.44 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.03 min
Lab File: BF097856.D
Acq: 19 Aug 2017 2:15

Instrument :
BNA_F
ClientSampleId :
TP-A-B-COMP

Tot Ion:163 Resp: 154266
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 11.4 8.4 12.6

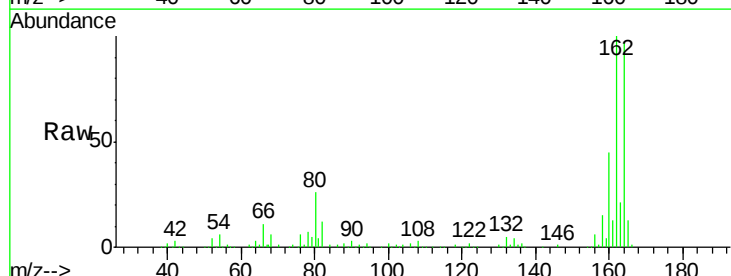


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

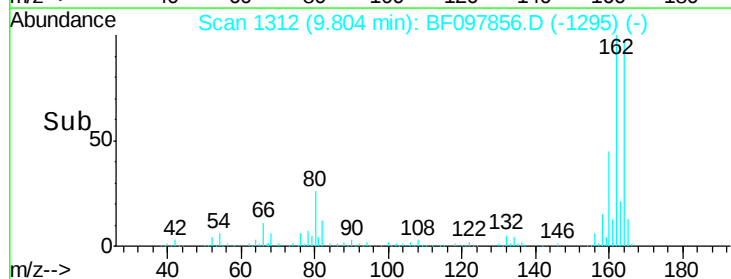
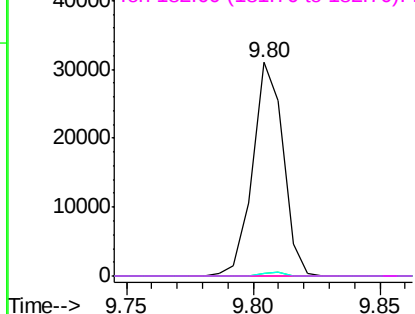


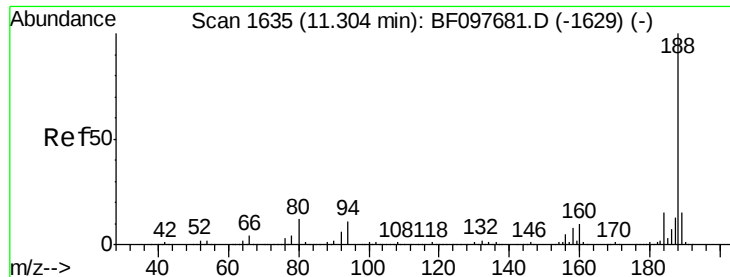
#56
2,4-Dinitrotoluene
Concen: 7.04 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.20 min
Lab File: BF097856.D
Acq: 19 Aug 2017 2:15

Tgt Ion:165 Resp: 26073
Ion Ratio Lower Upper
165 100
63 1.2 25.4 38.0#
89 1.3 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# 1565

Delta R.T. -0.01 min

Lab File: BF097856.D

Acq: 19 Aug 2017 2:15

Instrument :

BNA_F

ClientSampled :

TP-A-B-COMP

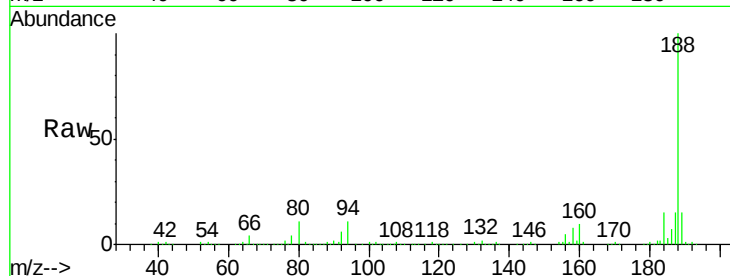
Tot Ion:188 Resp: 390194

Ion Ratio Lower Upper

188 100

94 10.6 9.4 14.2

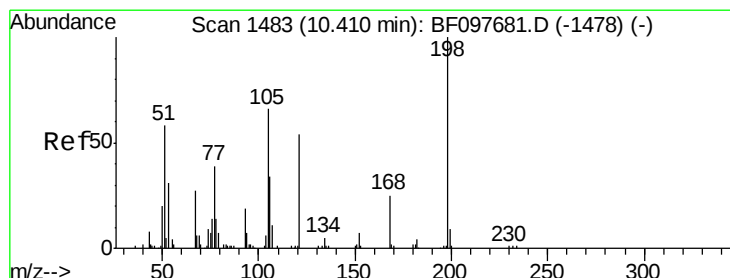
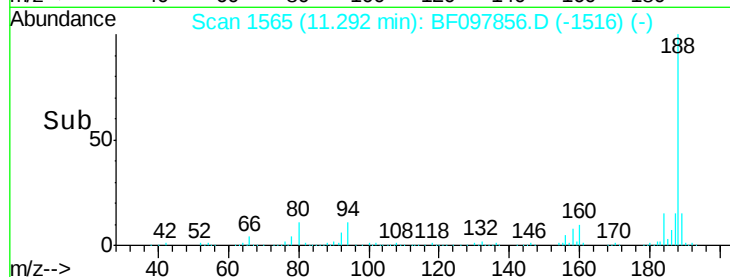
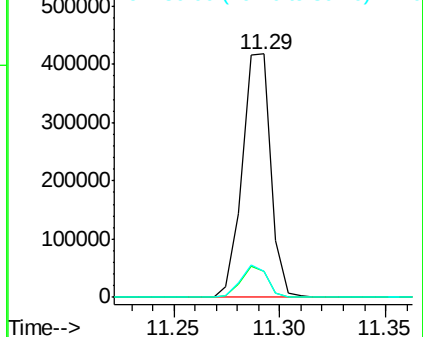
80 10.9 10.2 15.2



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.56 ng

RT: 10.59 min Scan# 1446

Delta R.T. 0.18 min

Lab File: BF097856.D

Acq: 19 Aug 2017 2:15

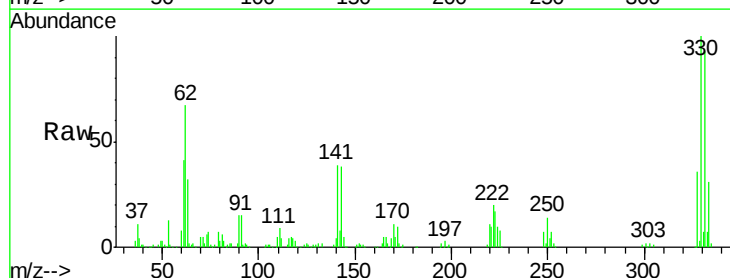
Tgt Ion:198 Resp: 541

Ion Ratio Lower Upper

198 100

51 153.3 53.2 93.2#

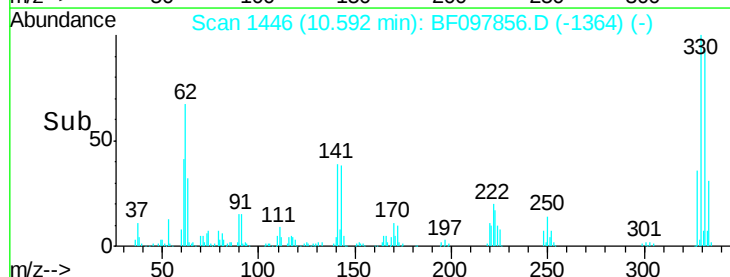
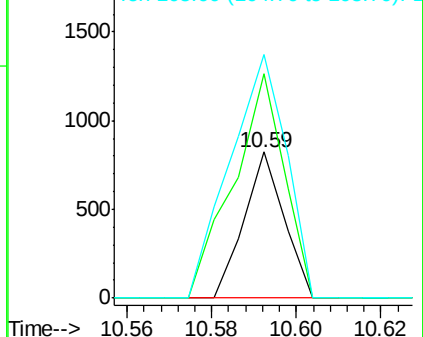
105 166.7 45.8 85.8#

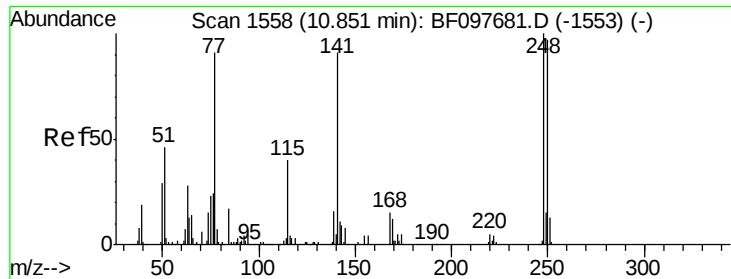


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

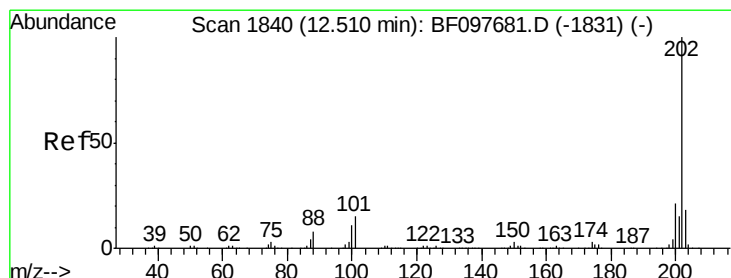
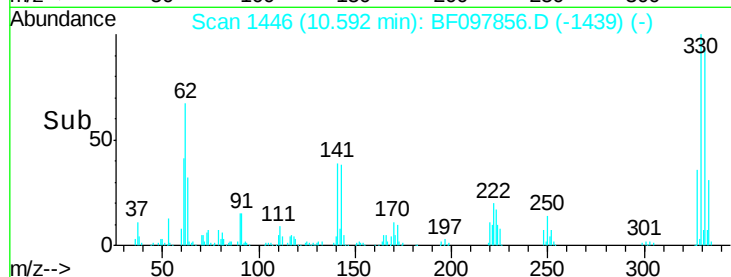
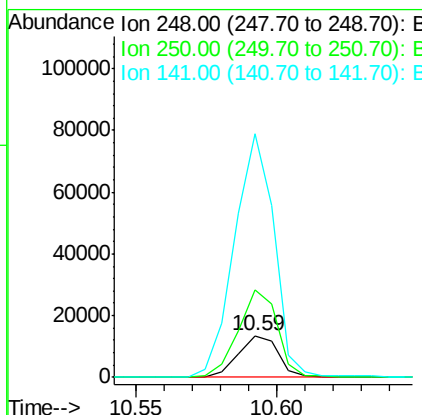
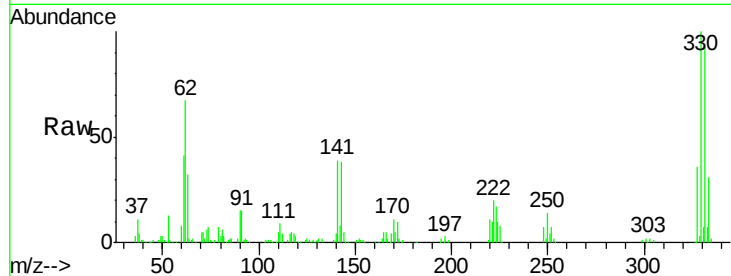




#66
4-Bromophenyl-phenylether
Concen: 3.26 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.26 min
Lab File: BF097856.D
Acq: 19 Aug 2017 2:15

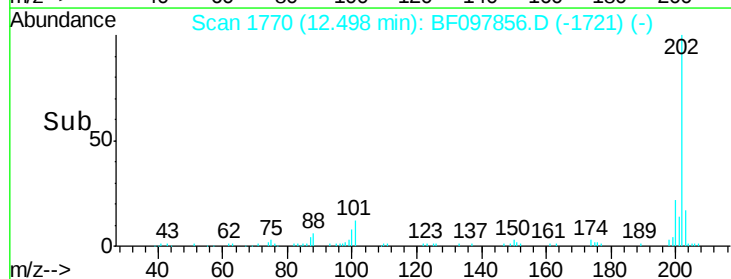
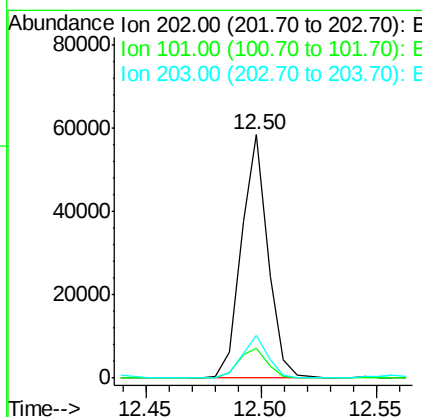
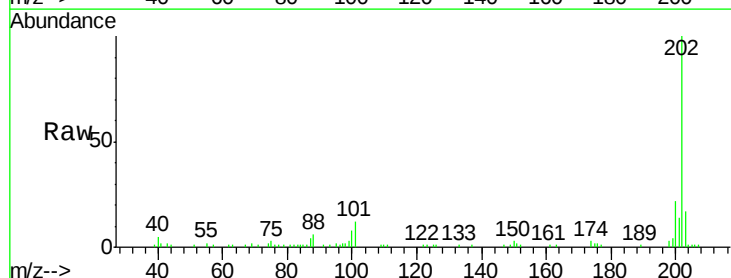
Instrument :
BNA_F
ClientSampleId :
TP-A-B-COMP

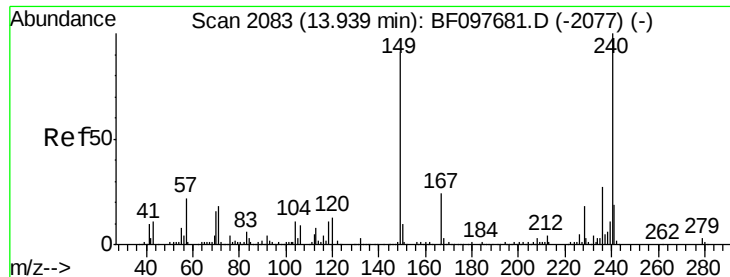
Tot Ion:248 Resp: 13211
Ion Ratio Lower Upper
248 100
250 210.4 76.8 115.2#
141 582.5 68.6 103.0#



#74
Fluoranthene
Concen: 2.15 ng
RT: 12.50 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BF097856.D
Acq: 19 Aug 2017 2:15

Tgt Ion:202 Resp: 46601
Ion Ratio Lower Upper
202 100
101 12.1 0.0 33.2
203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF097856.D

Acq: 19 Aug 2017 2:15

Instrument :

BNA_F

ClientSampleId :

TP-A-B-COMP

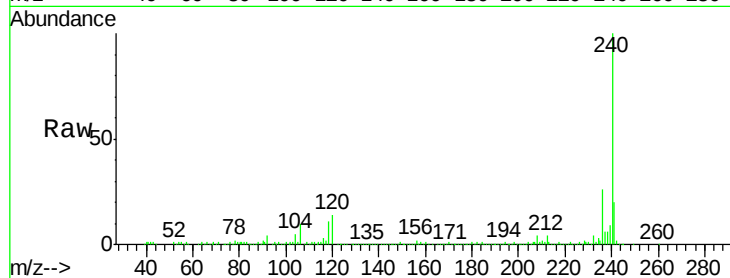
Tot Ion:240 Resp: 296857

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

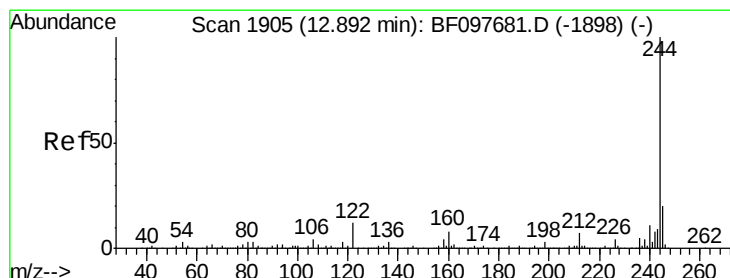
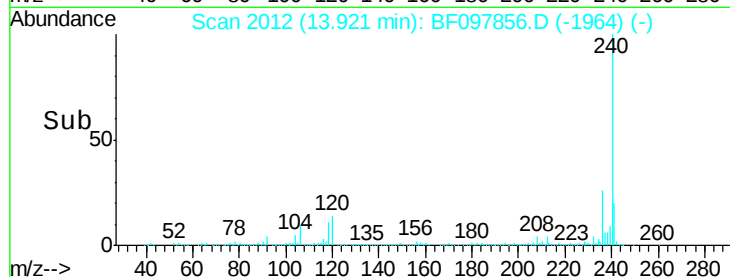
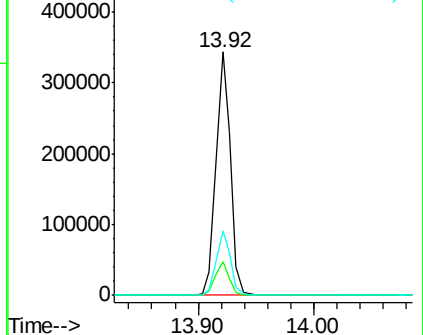
236 26.3 20.5 30.7



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: 55.11 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097856.D

Acq: 19 Aug 2017 2:15

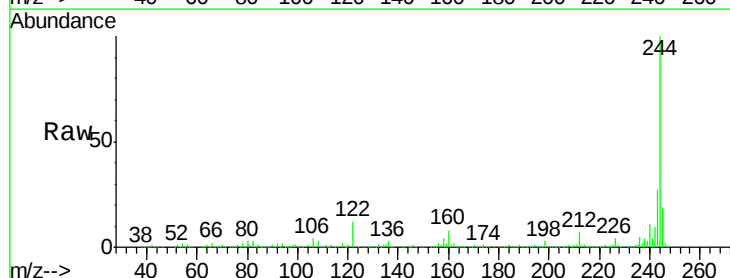
Tgt Ion:244 Resp: 784473

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

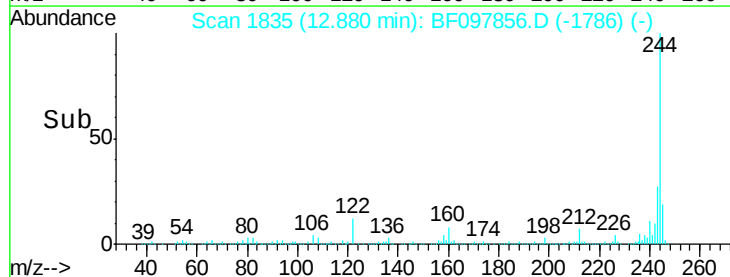
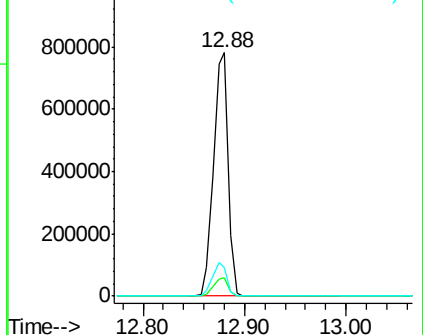
122 11.9 10.3 15.5

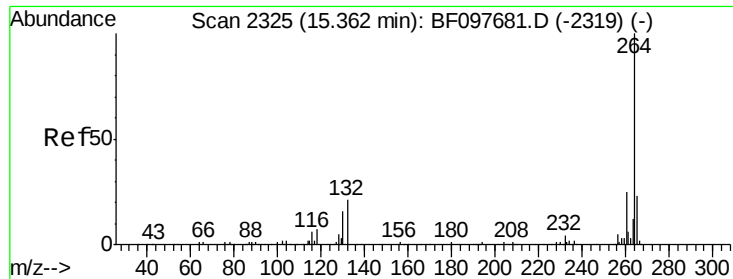


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

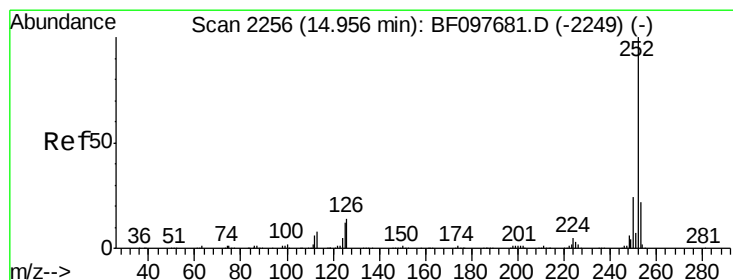
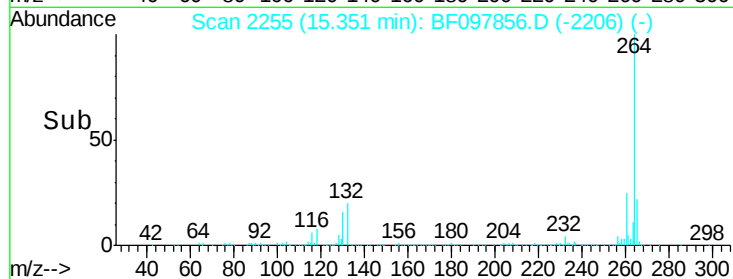
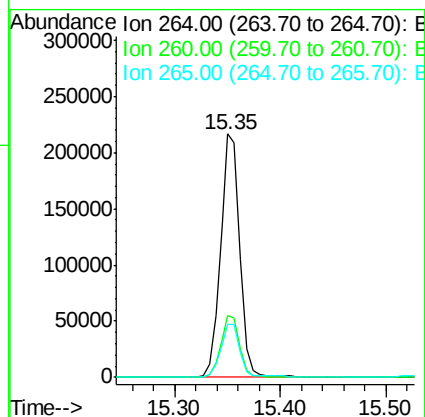
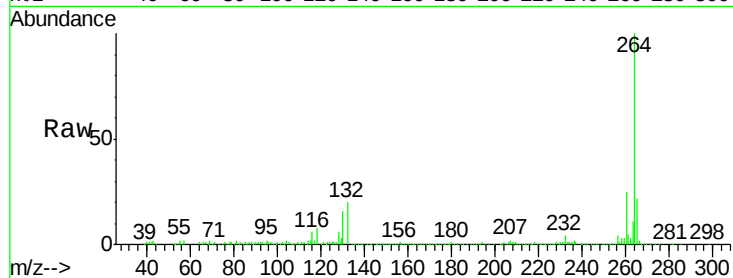




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BF097856.D
Acq: 19 Aug 2017 2:15

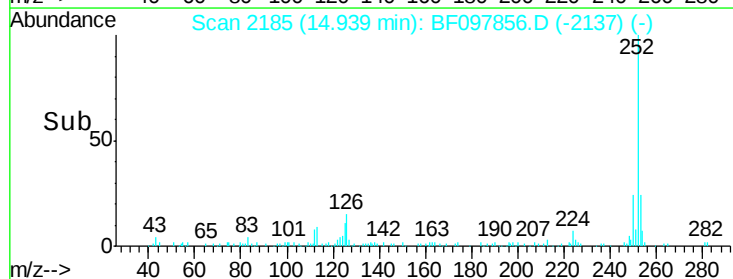
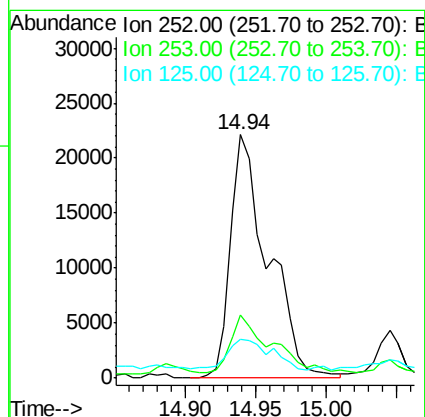
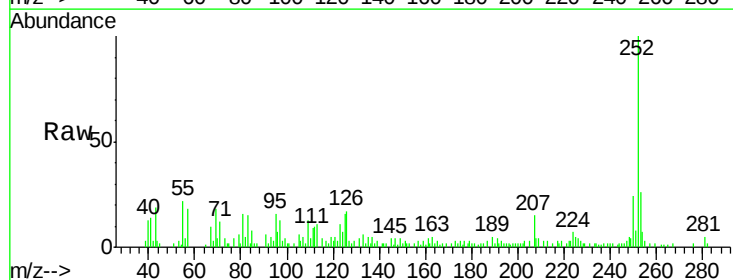
Instrument :
BNA_F
ClientSampleId :
TP-A-B-COMP

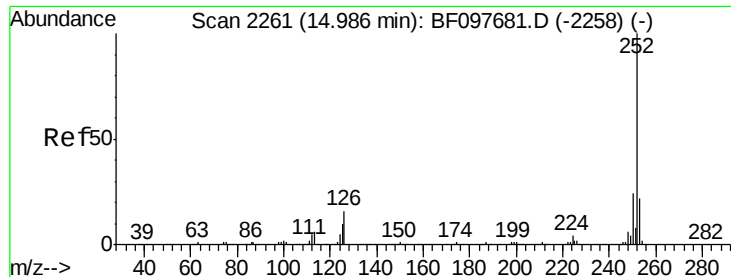
Tot Ion:264 Resp: 276921
Ion Ratio Lower Upper
264 100
260 25.2 19.5 29.3
265 21.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.38 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF097856.D
Acq: 19 Aug 2017 2:15

Tgt Ion:252 Resp: 41537
Ion Ratio Lower Upper
252 100
253 25.8 18.1 27.1
125 15.9 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.53 ng

RT: 14.94 min Scan# 2185

Delta R.T. -0.05 min

Lab File: BF097856.D

Acq: 19 Aug 2017 2:15

Instrument :

BNA_F

ClientSampleId :

TP-A-B-COMP

Tot Ion:252 Resp: 41537

Ion Ratio Lower Upper

252 100

253 25.8 18.4 27.6

125 15.9 13.1 19.7

