

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF097014.D
 Acq On : 25 Jul 2017 4:40
 Operator : SJ/JU
 Sample : I4358-01RE 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-072017

Quant Time: Jul 25 05:53:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:37:00 2017
 Response via : Initial Calibration

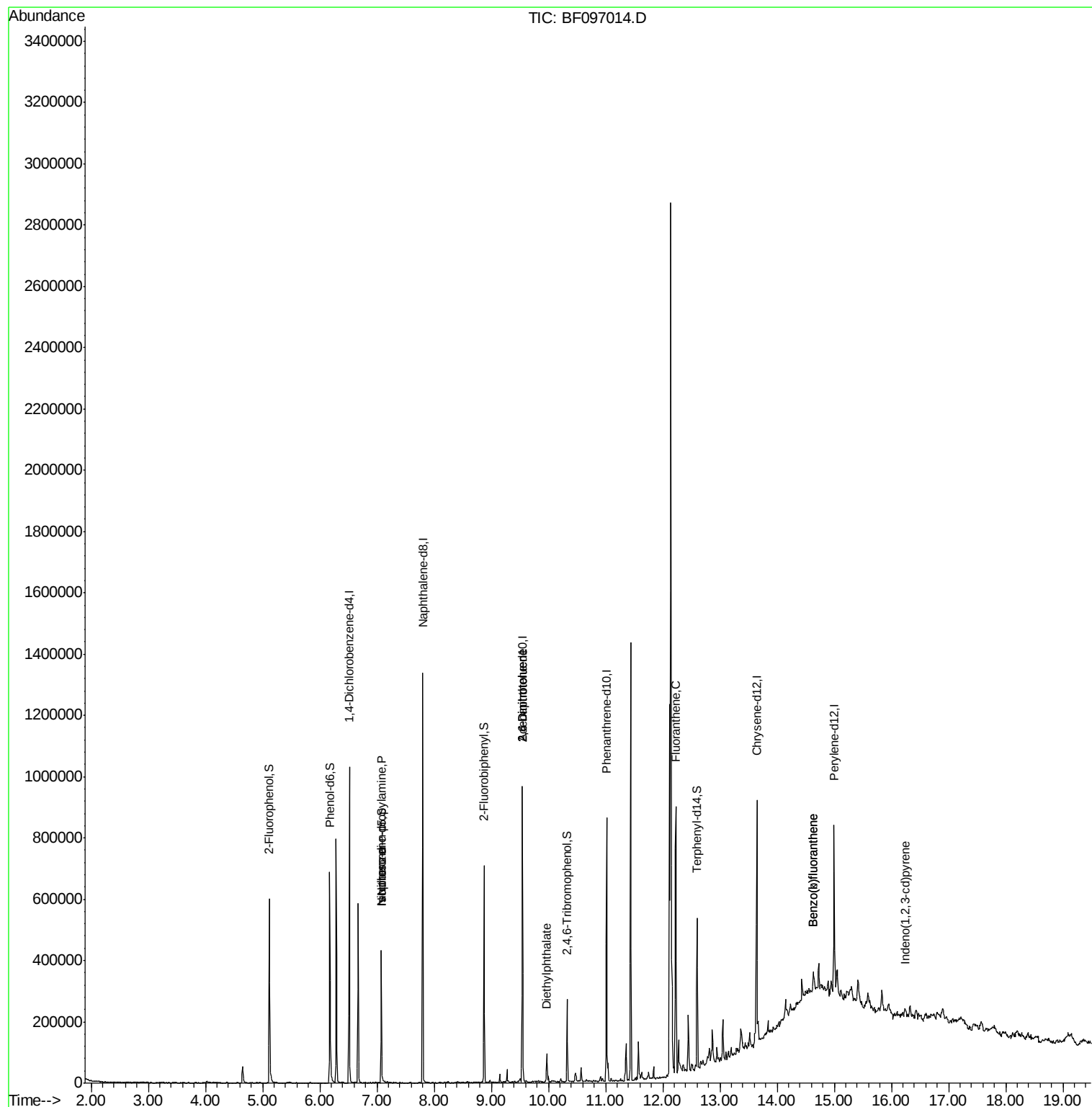
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	146285	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	536044	20.00	ng	-0.03
38) Acenaphthene-d10	9.55	164	192874	20.00	ng	-0.03
63) Phenanthrene-d10	11.02	188	278656	20.00	ng	-0.04
75) Chrysene-d12	13.65	240	279663	20.00	ng	-0.04
86) Perylene-d12	15.00	264	221717	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	191791	19.71	ng	-0.04
7) Phenol-d6	6.17	99	221528	18.97	ng	-0.04
23) Nitrobenzene-d5	7.07	82	119167	13.77	ng	-0.04
41) 2,4,6-Tribromophenol	10.33	330	26531	16.12	ng	-0.04
44) 2-Fluorobiphenyl	8.87	172	202951	16.62	ng	-0.04
78) Terphenyl-d14	12.60	244	130836	8.11	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.07	70	14832	2.11	ng	# 88
25) Isophorone	7.07	82	119165	7.40	ng	# 67
50) 2,6-Dinitrotoluene	9.55	165	24716	7.86	ng	# 34
56) 2,4-Dinitrotoluene	9.55	165	24716	6.11	ng	# 33
59) Diethylphthalate	9.97	149	31632	2.24	ng	97
74) Fluoranthene	12.22	202	47736	3.29	ng	86
85) Indeno(1,2,3-cd)pyrene	16.24	276	7383	3.78	ng	93
87) Benzo(b)fluoranthene	14.63	252	34290	2.56	ng	# 82
88) Benzo(k)fluoranthene	14.63	252	34290	2.71	ng	# 86

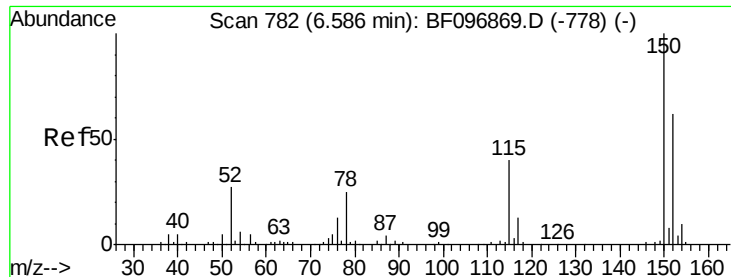
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 787

Delta R.T. -0.02 min

Lab File: BF097014.D

Acq: 25 Jul 2017 4:40

Instrument :

BNA_F

ClientSampleId :

TR-05-072017

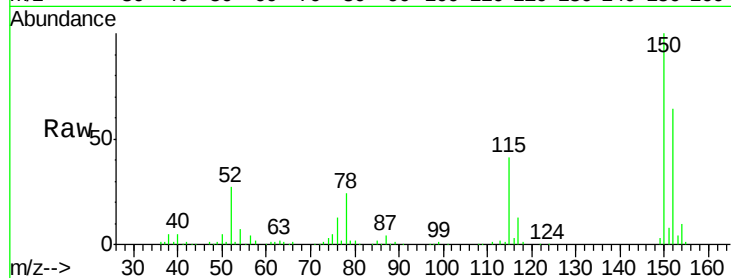
Tot Ion:152 Resp: 146285

Ion Ratio Lower Upper

152 100

150 157.1 126.2 189.2

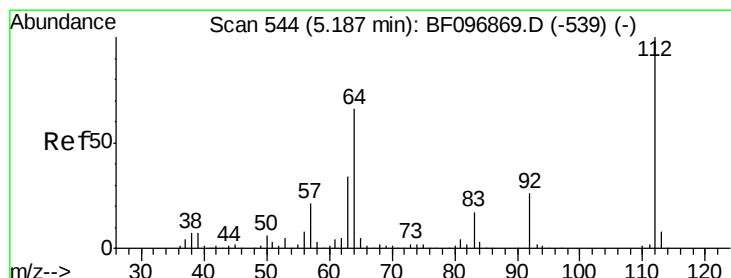
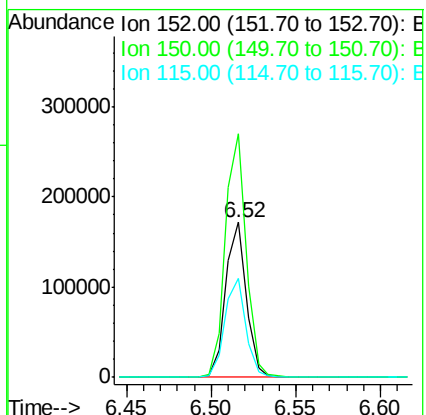
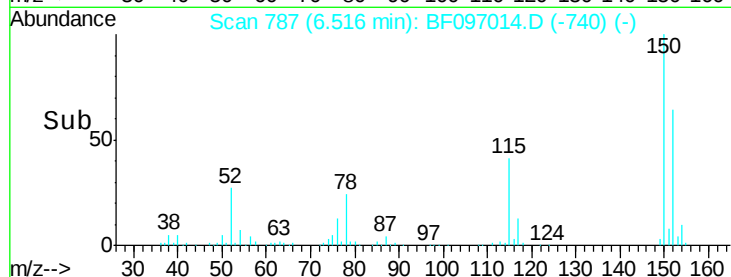
115 63.9 52.2 78.2



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: 19.71 ng

RT: 5.12 min Scan# 549

Delta R.T. -0.04 min

Lab File: BF097014.D

Acq: 25 Jul 2017 4:40

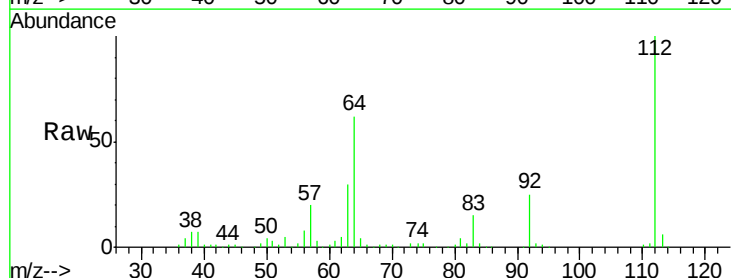
Tgt Ion:112 Resp: 191791

Ion Ratio Lower Upper

112 100

64 61.9 46.0 69.0

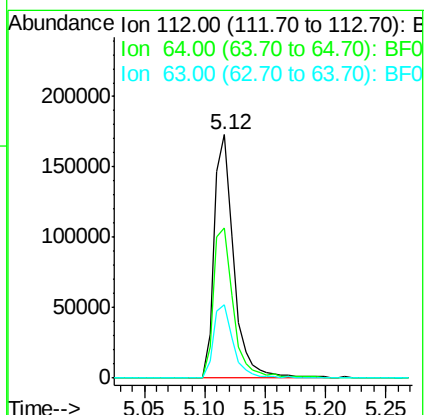
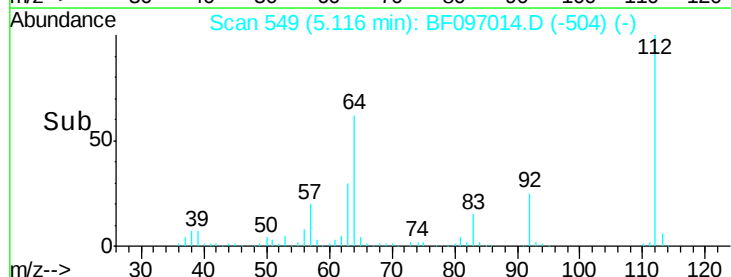
63 30.1 23.4 35.0

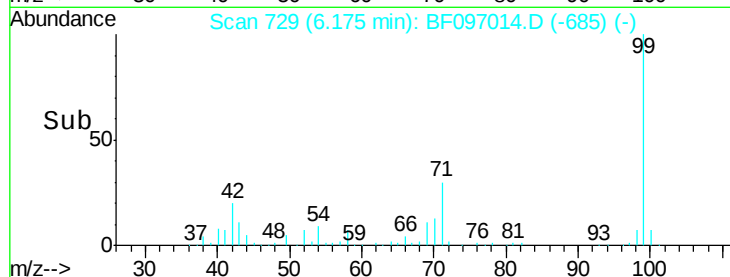
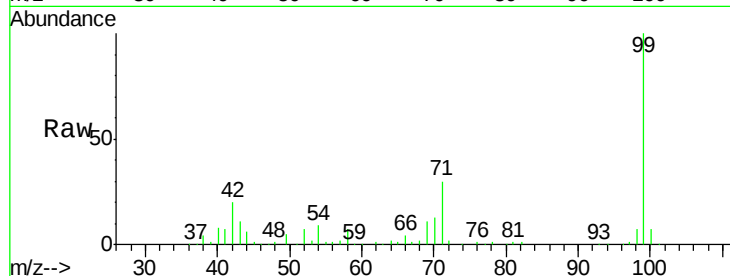
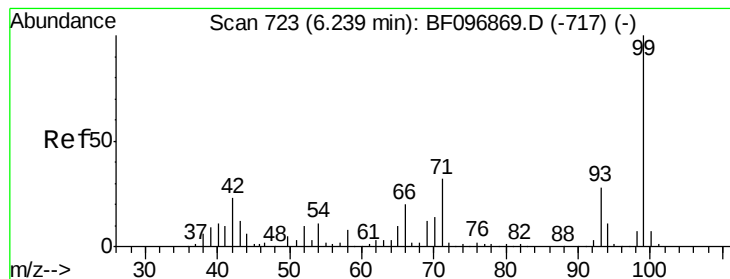


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 18.97 ng

RT: 6.17 min Scan# 729

Delta R.T. -0.04 min

Lab File: BF097014.D

Acq: 25 Jul 2017 4:40

Instrument :

BNA_F

ClientSampleId :

TR-05-072017

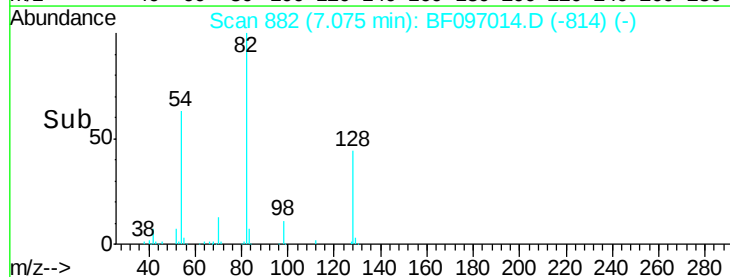
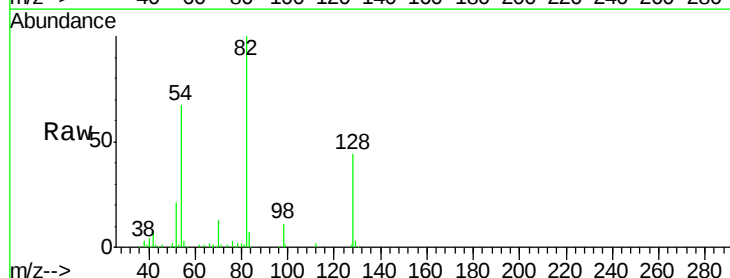
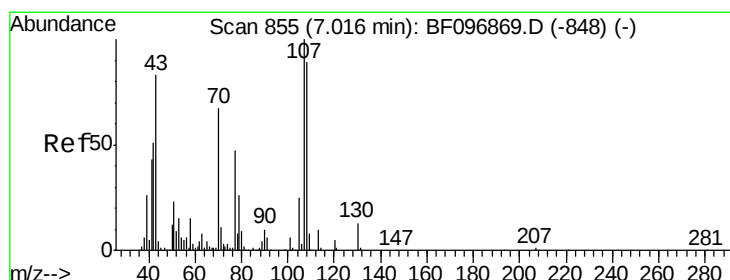
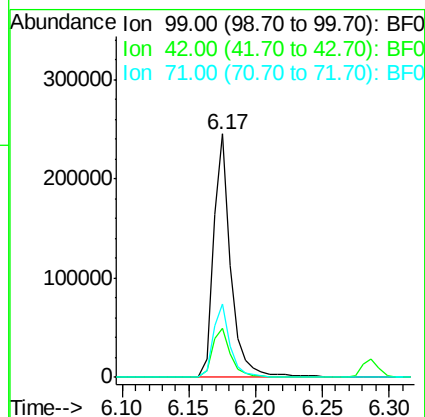
Tot Ion: 99 Resp: 221528

Ion Ratio Lower Upper

99 100

42 20.2 13.5 20.3

71 30.2 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.11 ng

RT: 7.07 min Scan# 882

Delta R.T. 0.10 min

Lab File: BF097014.D

Acq: 25 Jul 2017 4:40

Tgt Ion: 70 Resp: 14832

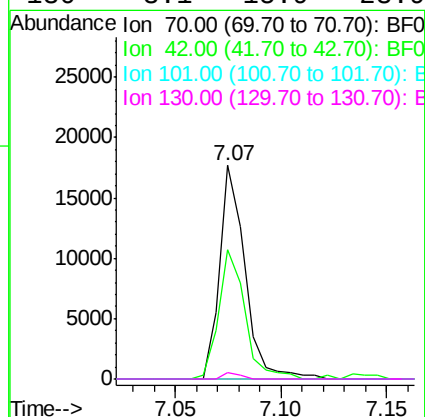
Ion Ratio Lower Upper

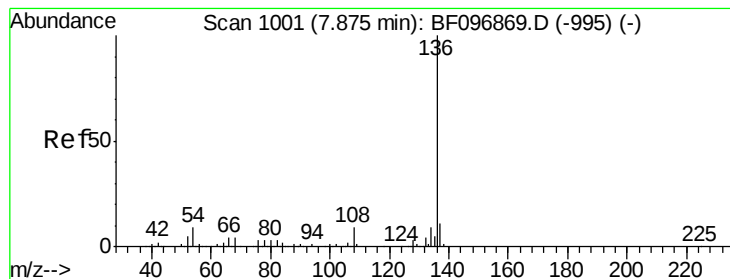
70 100

42 60.4 47.2 70.8

101 0.0 7.2 10.8#

130 3.1 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 1005

Delta R.T. -0.03 min

Lab File: BF097014.D

Acq: 25 Jul 2017 4:40

Instrument :

BNA_F

ClientSampleId :

TR-05-072017

Tot Ion:136 Resp: 536044

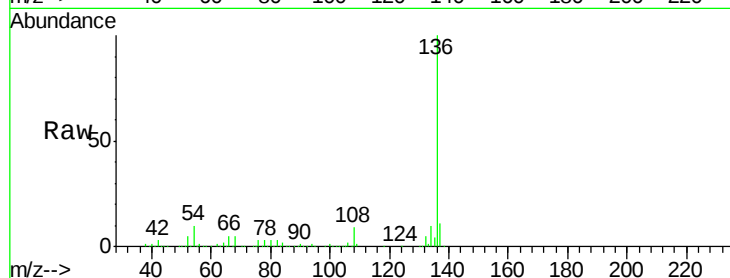
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.5 4.9 7.3#

68 5.4 4.1 6.1

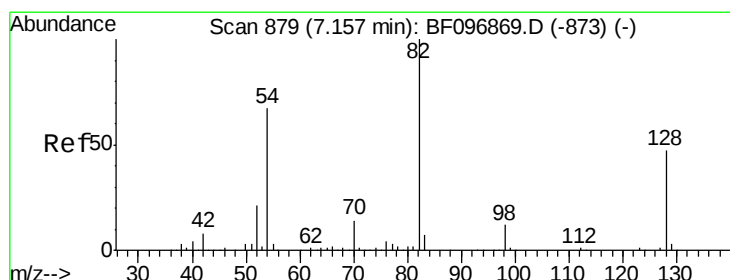
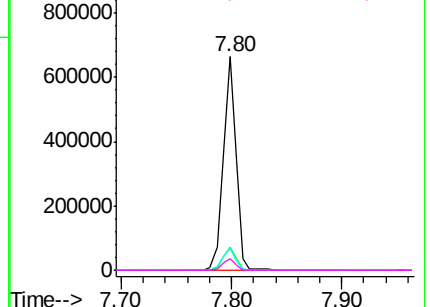
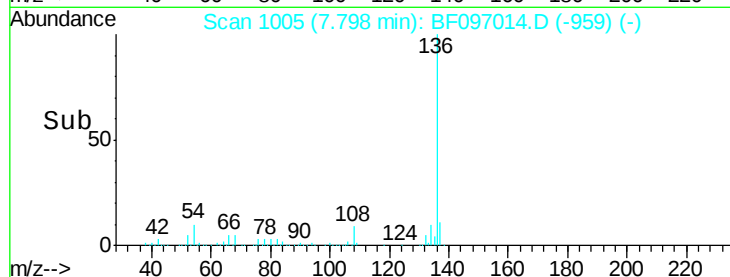


Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.77 ng

RT: 7.07 min Scan# 882

Delta R.T. -0.04 min

Lab File: BF097014.D

Acq: 25 Jul 2017 4:40

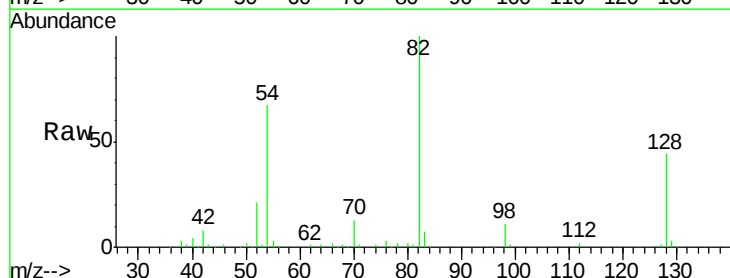
Tgt Ion: 82 Resp: 119167

Ion Ratio Lower Upper

82 100

128 43.7 34.0 51.0

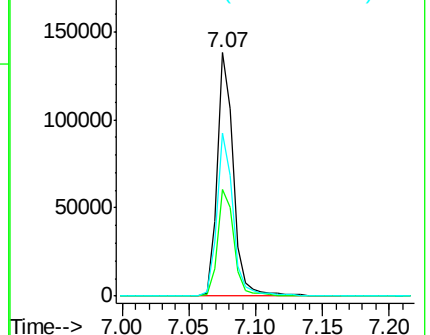
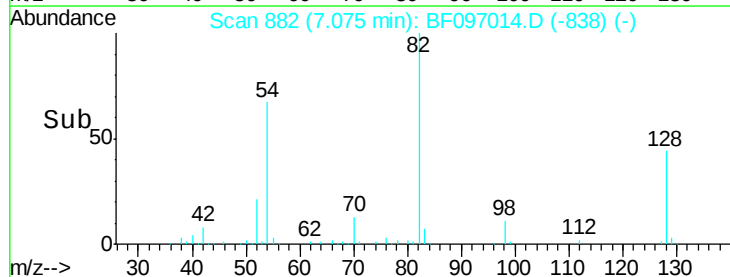
54 67.0 42.2 63.2#

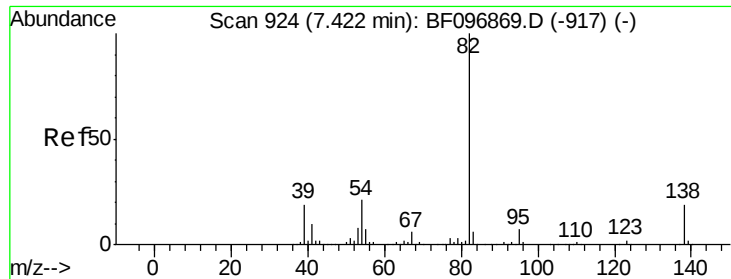


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 7.40 ng

RT: 7.07 min Scan# 882

Delta R.T. -0.30 min

Lab File: BF097014.D

Acq: 25 Jul 2017 4:40

Instrument :

BNA_F

ClientSampleId :

TR-05-072017

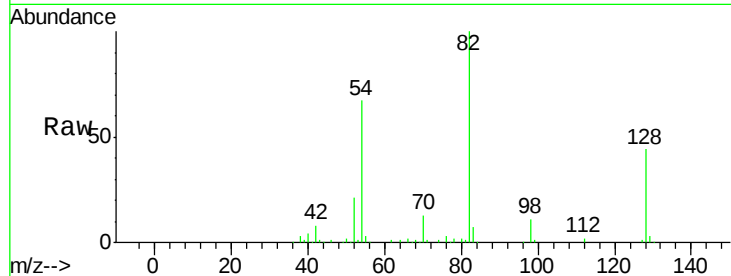
Tot Ion: 82 Resp: 119165

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

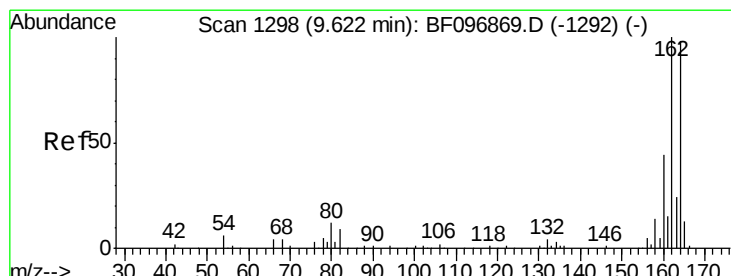
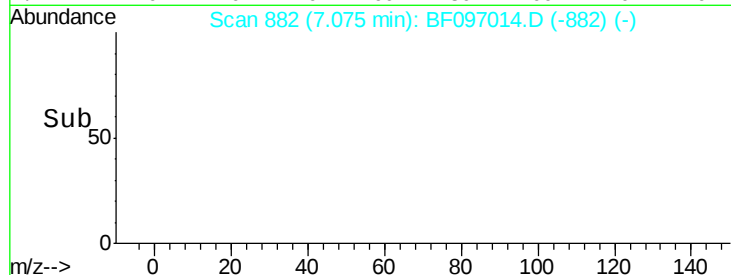
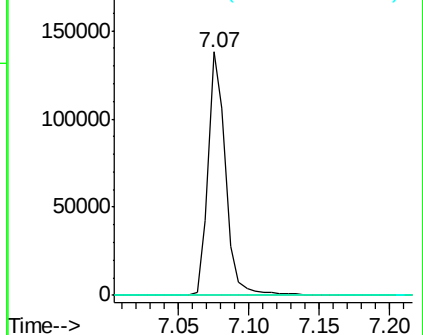
138 0.0 13.1 19.7#



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: 9.55 min Scan# 1302

Delta R.T. -0.03 min

Lab File: BF097014.D

Acq: 25 Jul 2017 4:40

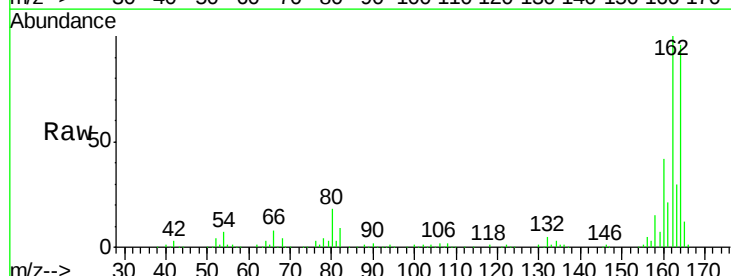
Tgt Ion: 164 Resp: 192874

Ion Ratio Lower Upper

164 100

162 104.3 82.6 123.8

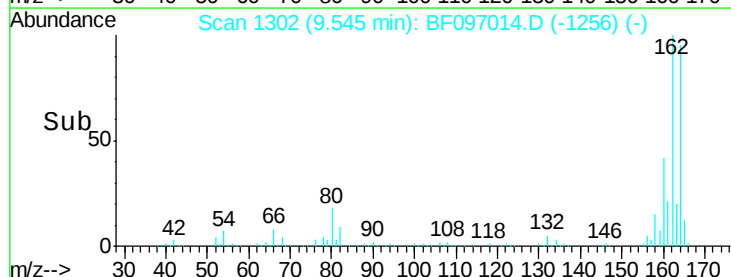
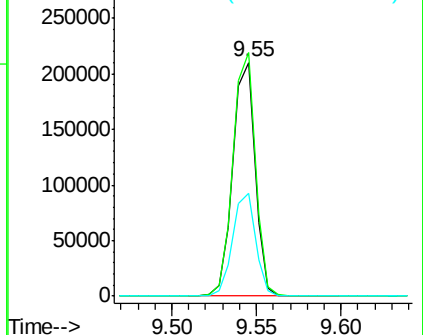
160 44.3 36.2 54.2

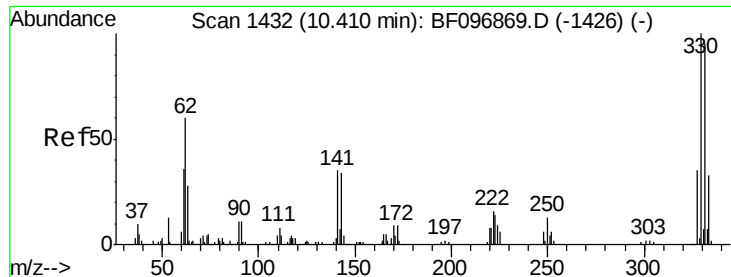


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

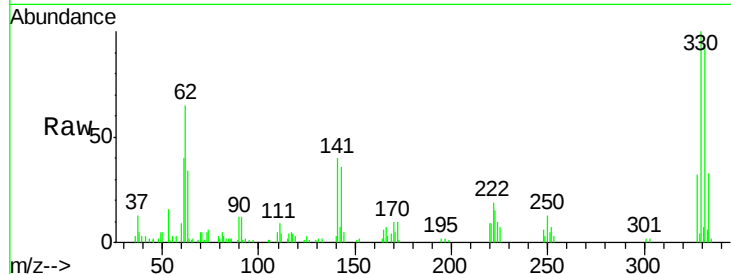




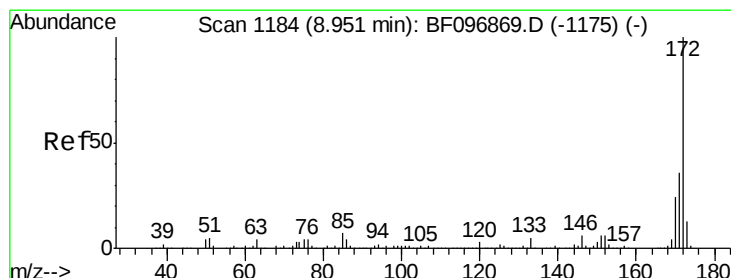
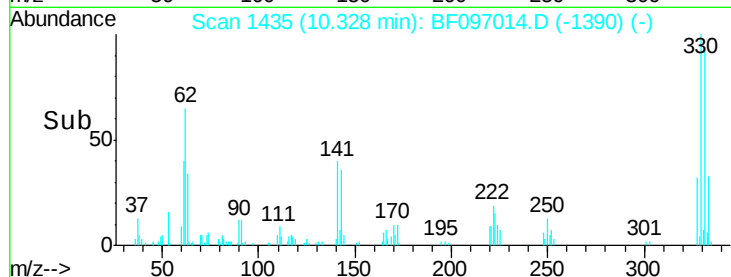
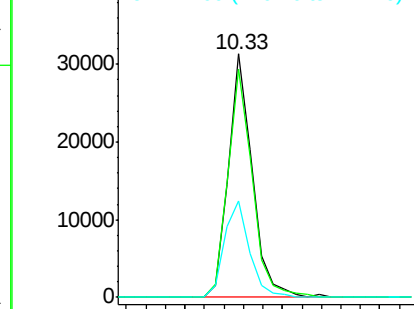
#41
 2,4,6-Tribromophenol
 Concen: 16.12 ng
 RT: 10.33 min Scan# 1435
 Delta R.T. -0.04 min
 Lab File: BF097014.D
 Acq: 25 Jul 2017 4:40

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-072017

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	41.4	31.4	47.2

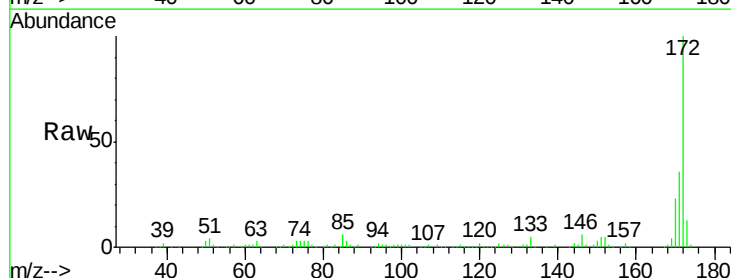


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

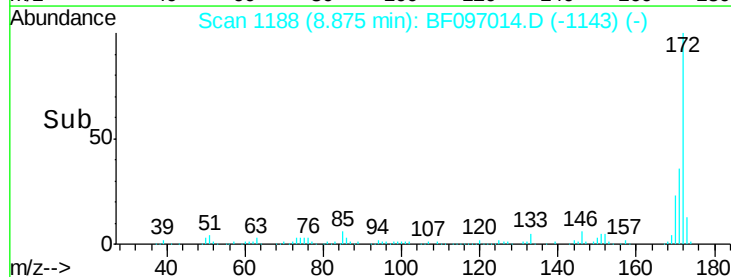
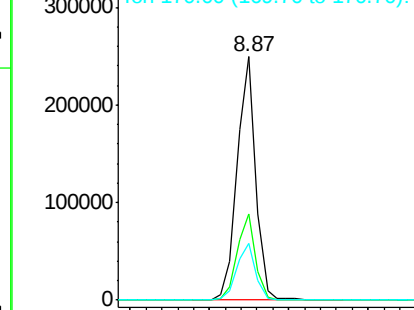


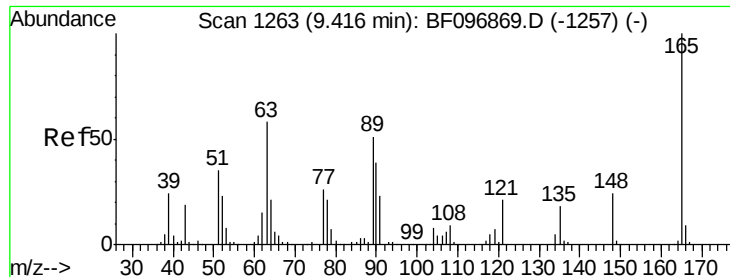
#44
 2-Fluorobiphenyl
 Concen: 16.62 ng
 RT: 8.87 min Scan# 1188
 Delta R.T. -0.04 min
 Lab File: BF097014.D
 Acq: 25 Jul 2017 4:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.2	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

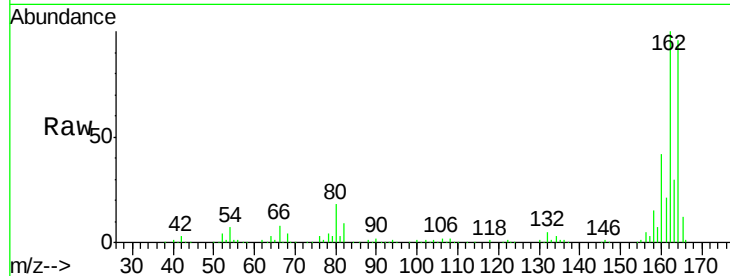




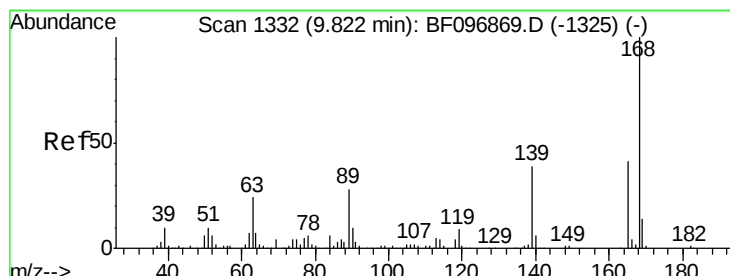
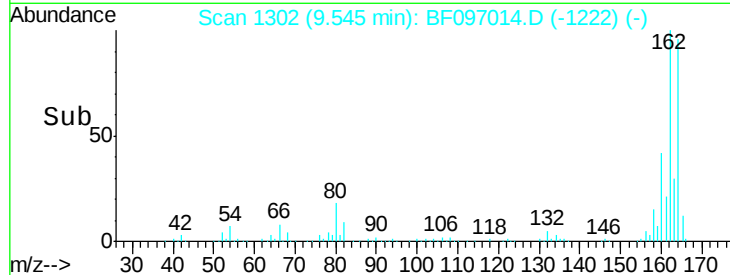
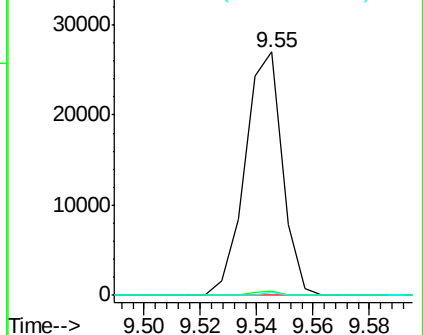
#50
 2,6-Dinitrotoluene
 Concen: 7.86 ng
 RT: 9.55 min Scan# 1302
 Delta R.T. 0.17 min
 Lab File: BF097014.D
 Acq: 25 Jul 2017 4:40

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-072017

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.3	51.5#
89	1.5	37.1	55.7#

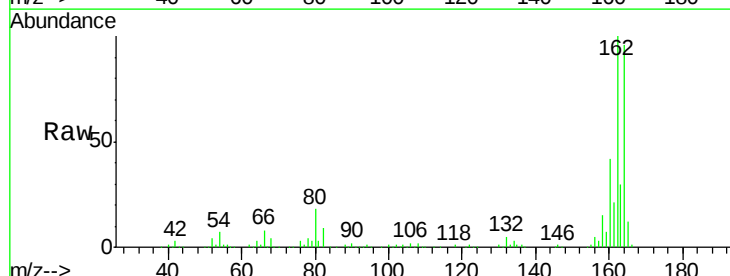


Abundance Ion 165.00 (164.70 to 165.70): E

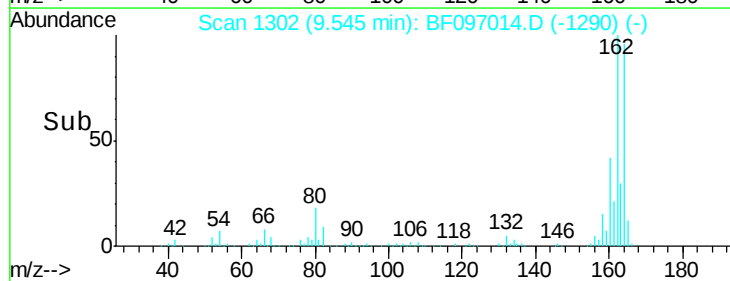
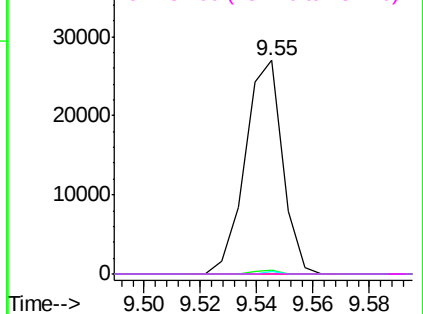


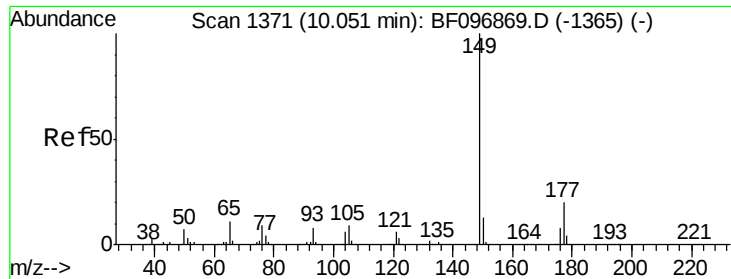
#56
 2,4-Dinitrotoluene
 Concen: 6.11 ng
 RT: 9.55 min Scan# 1302
 Delta R.T. -0.23 min
 Lab File: BF097014.D
 Acq: 25 Jul 2017 4:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#



Abundance Ion 165.00 (164.70 to 165.70): E

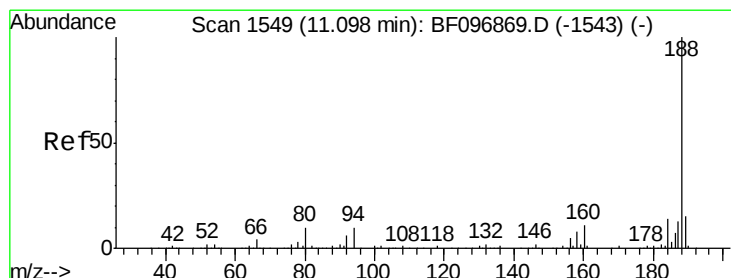
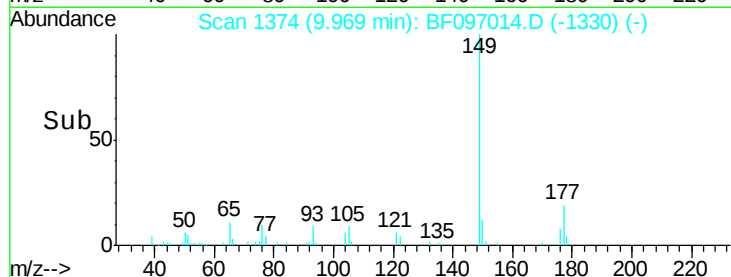
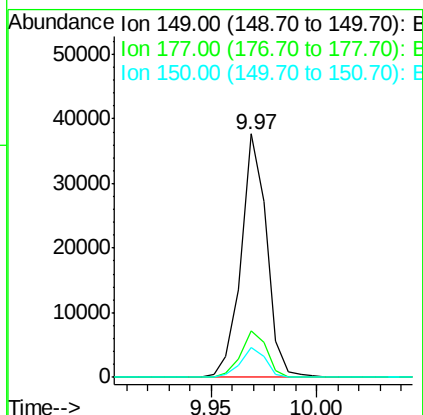
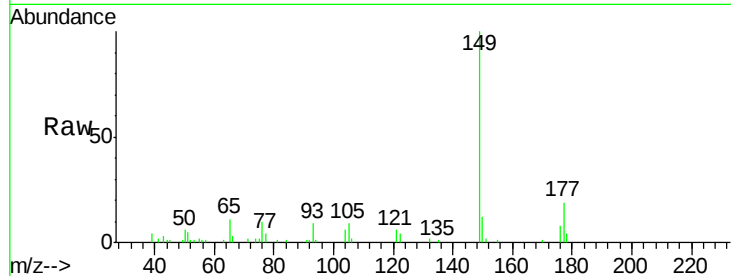




#59
Diethylphthalate
Concen: 2.24 ng
RT: 9.97 min Scan# 1374
Delta R.T. -0.04 min
Lab File: BF097014.D
Acq: 25 Jul 2017 4:40

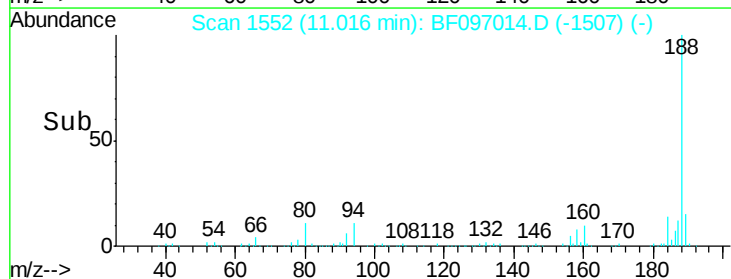
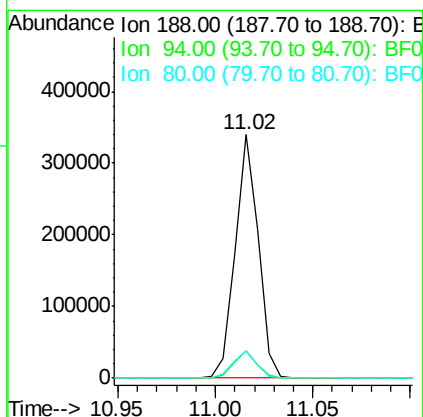
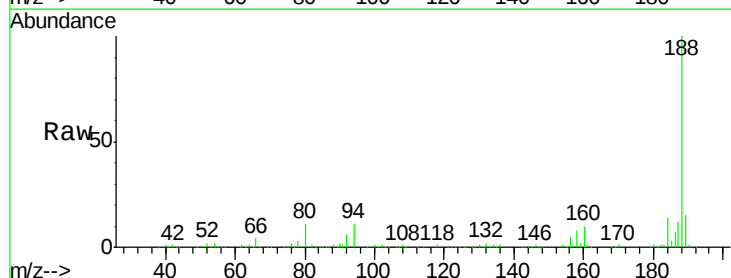
Instrument :
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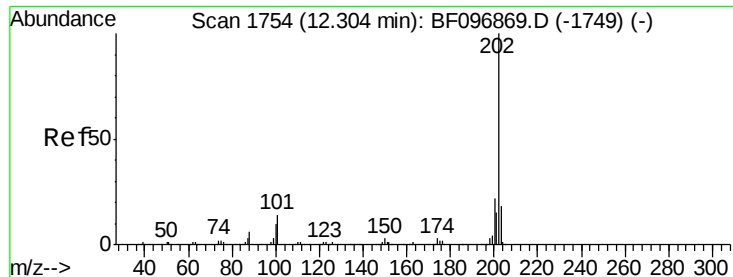
Tot Ion:149 Resp: 31632
Ion Ratio Lower Upper
149 100
177 19.0 16.7 25.1
150 12.2 10.2 15.2



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 1552
Delta R.T. -0.04 min
Lab File: BF097014.D
Acq: 25 Jul 2017 4:40

Tgt Ion:188 Resp: 278656
Ion Ratio Lower Upper
188 100
94 11.1 9.4 14.2
80 11.4 10.2 15.2





#74

Fluoranthene

Concen: 3.29 ng

RT: 12.22 min Scan# 1757

Delta R.T. -0.04 min

Lab File: BF097014.D

Acq: 25 Jul 2017 4:40

Instrument :

BNA_F

ClientSampleId :

TR-05-072017

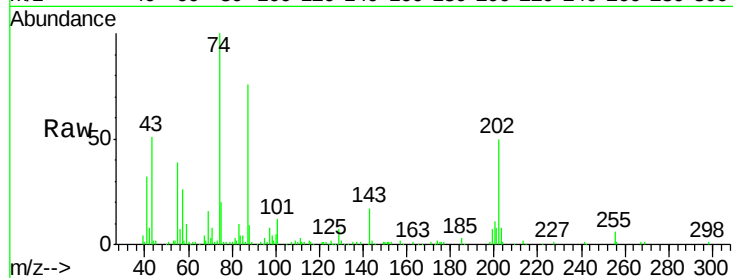
Tot Ion:202 Resp: 47736

Ion Ratio Lower Upper

202 100

101 24.7 0.0 33.2

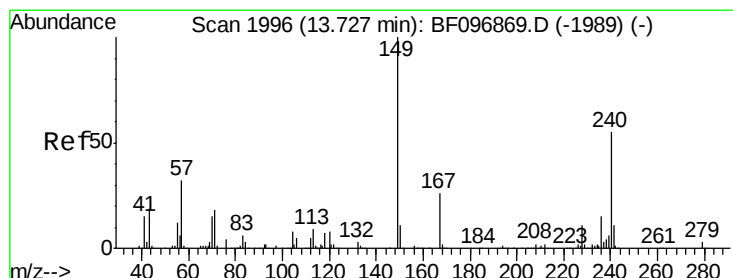
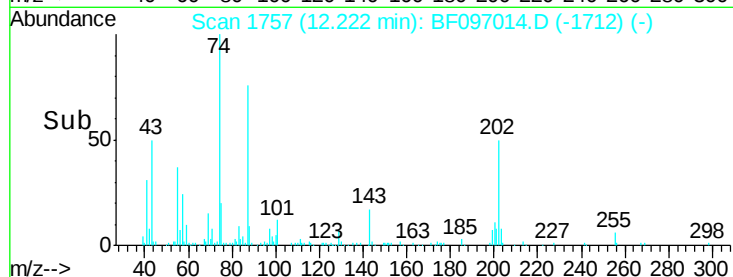
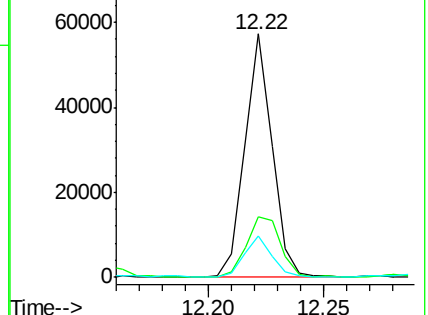
203 16.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1999

Delta R.T. -0.04 min

Lab File: BF097014.D

Acq: 25 Jul 2017 4:40

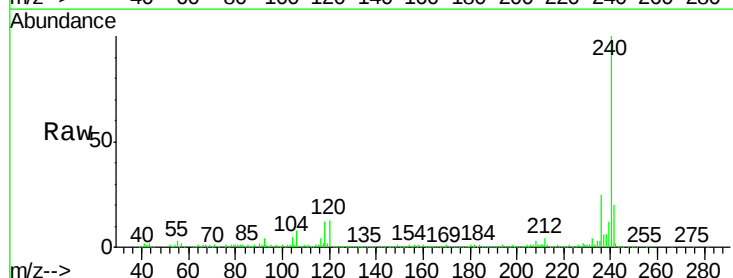
Tgt Ion:240 Resp: 279663

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

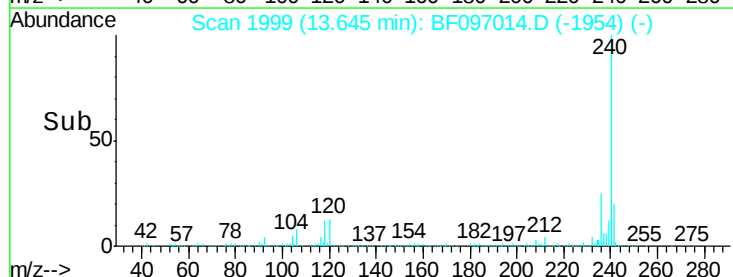
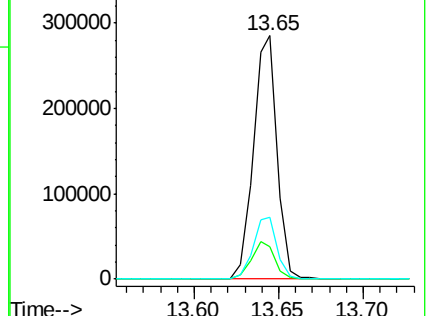
236 25.3 20.5 30.7

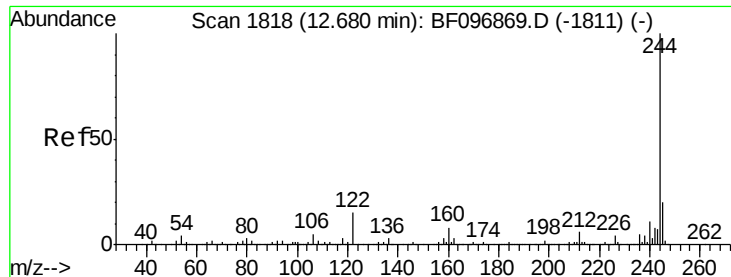


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

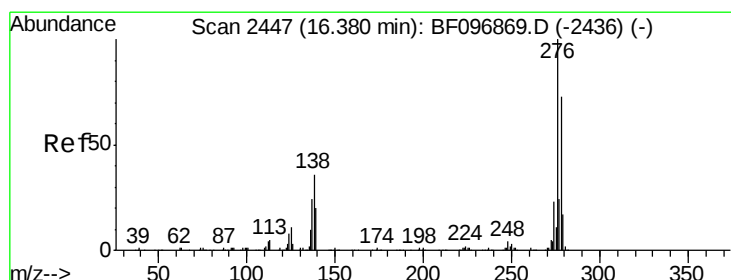
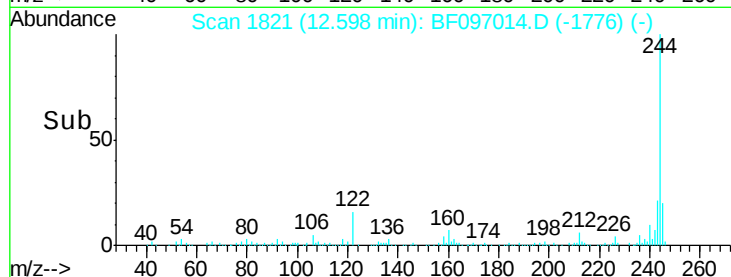
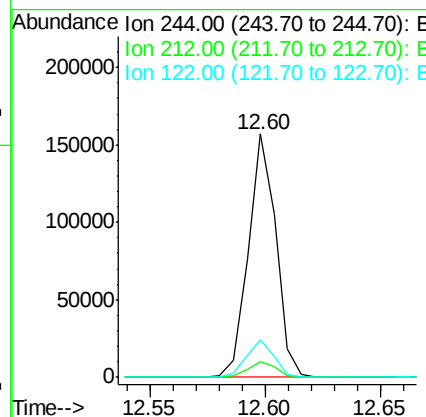
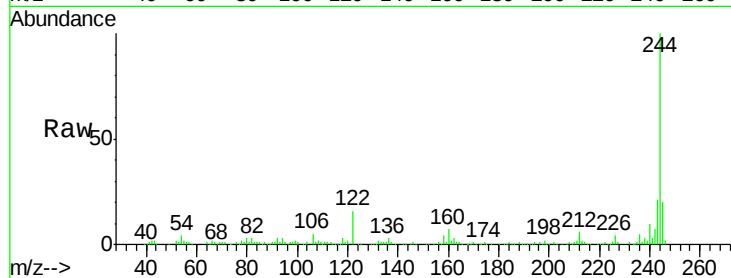




#78
 Terphenyl-d14
 Concen: 8.11 ng
 RT: 12.60 min Scan# 1821
 Delta R.T. -0.04 min
 Lab File: BF097014.D
 Acq: 25 Jul 2017 4:40

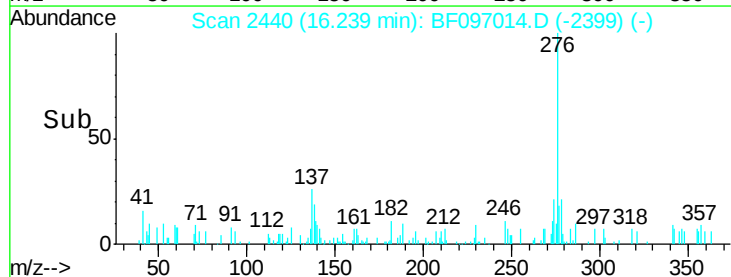
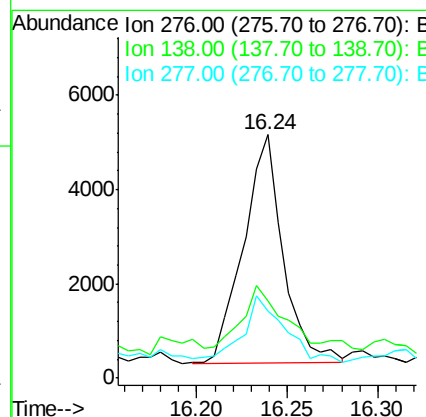
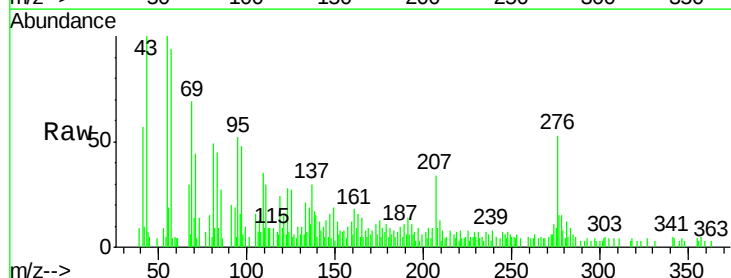
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-072017

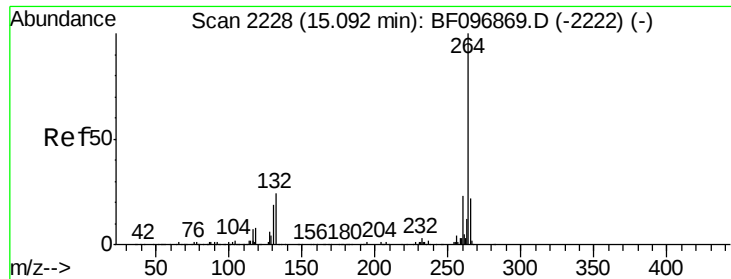
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.0	9.0
122	15.5	10.3	15.5



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.78 ng
 RT: 16.24 min Scan# 2440
 Delta R.T. -0.06 min
 Lab File: BF097014.D
 Acq: 25 Jul 2017 4:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	38.2	27.8	41.6
277	30.0	20.2	30.4

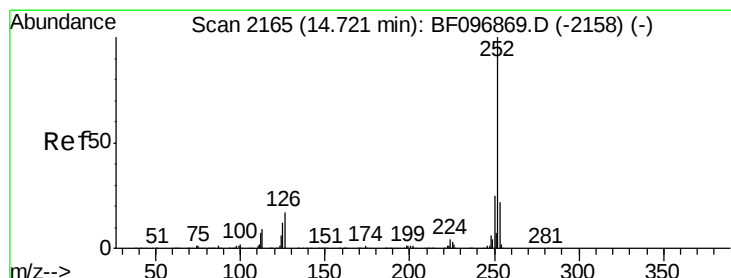
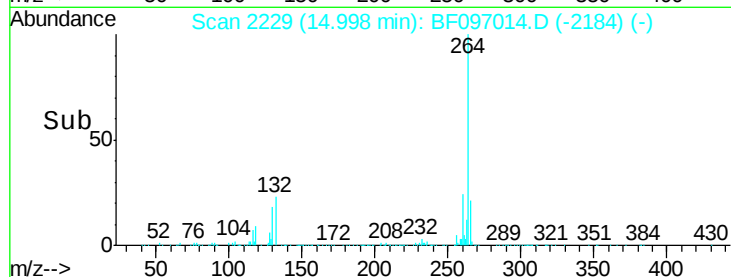
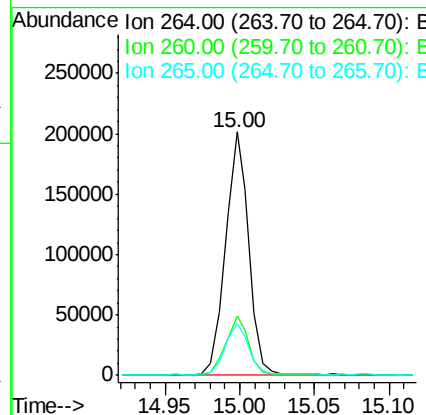
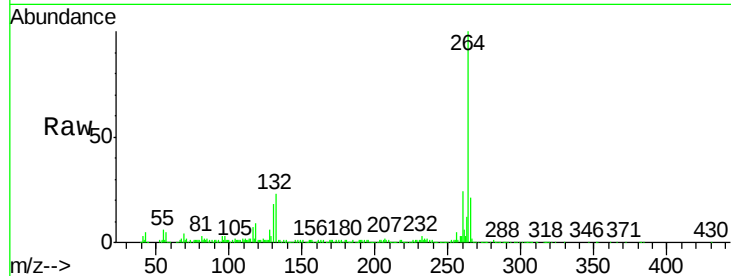




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.00 min Scan# 2229
Delta R.T. -0.04 min
Lab File: BF097014.D
Acq: 25 Jul 2017 4:40

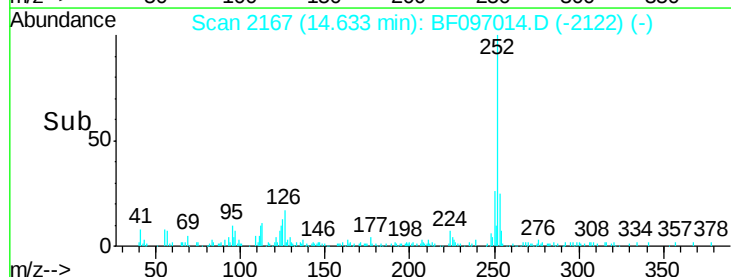
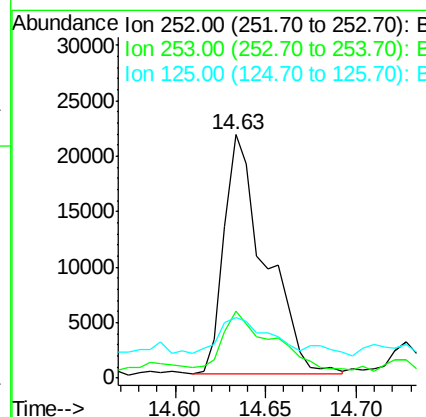
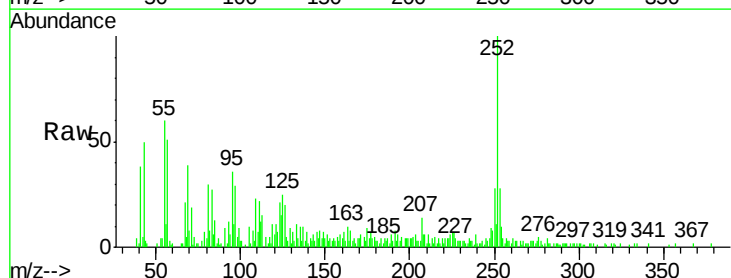
Instrument :
BNA_F
ClientSampleId :
TR-05-072017

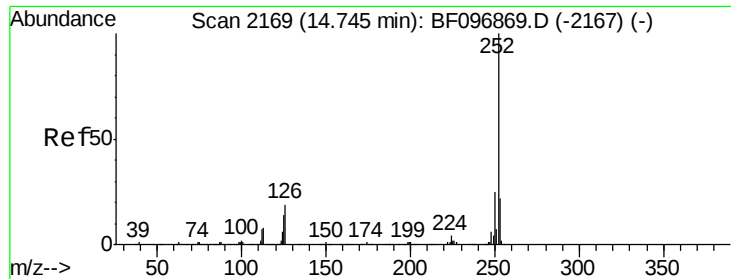
Tot Ion:264 Resp: 221717
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 21.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.56 ng
RT: 14.63 min Scan# 2167
Delta R.T. -0.04 min
Lab File: BF097014.D
Acq: 25 Jul 2017 4:40

Tgt Ion:252 Resp: 34290
Ion Ratio Lower Upper
252 100
253 27.7 18.1 27.1#
125 24.7 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.71 ng

RT: 14.63 min Scan# 2167

Delta R.T. -0.06 min

Lab File: BF097014.D

Acq: 25 Jul 2017 4:40

Instrument :

BNA_F

ClientSampleId :

TR-05-072017

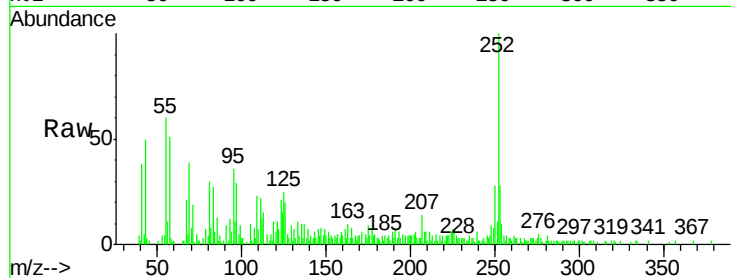
Tot Ion: 252 Resp: 34290

Ion Ratio Lower Upper

252 100

253 27.7 18.4 27.6#

125 24.7 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

