

Data File : BF096959.D
Acq On : 21 Jul 2017 22:19
Operator : SJ/JU
Sample : I4358-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-072017

Quant Time: Jul 21 23:17:07 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	103791	20.00	ng	-0.04
21) Naphthalene-d8	7.84	136	346532	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	131403	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	163758	20.00	ng	-0.05
75) Chrysene-d12	13.69	240	201193	20.00	ng	-0.05
86) Perylene-d12	15.05	264	212195	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	139133	20.16	ng	-0.04
7) Phenol-d6	6.20	99	158738	19.16	ng	-0.05
23) Nitrobenzene-d5	7.12	82	83624	14.95	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	16826	15.00	ng	-0.05
44) 2-Fluorobiphenyl	8.91	172	147648	17.75	ng	-0.05
78) Terphenyl-d14	12.64	244	87461	7.54	ng	-0.05

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.12	70	10643	2.13	ng	# 86
25) Isophorone	7.12	82	81419	7.82	ng	# 67
50) 2,6-Dinitrotoluene	9.58	165	16967	7.92	ng	# 31
56) 2,4-Dinitrotoluene	9.58	165	16967	6.16	ng	# 31
74) Fluoranthene	12.26	202	31768	3.73	ng	# 82
85) Indeno(1,2,3-cd)pyrene	16.30	276	8266	4.03	ng	# 90
87) Benzo(b)fluoranthene	14.68	252	35349	2.76	ng	# 84
88) Benzo(k)fluoranthene	14.68	252	35349	2.92	ng	# 88

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

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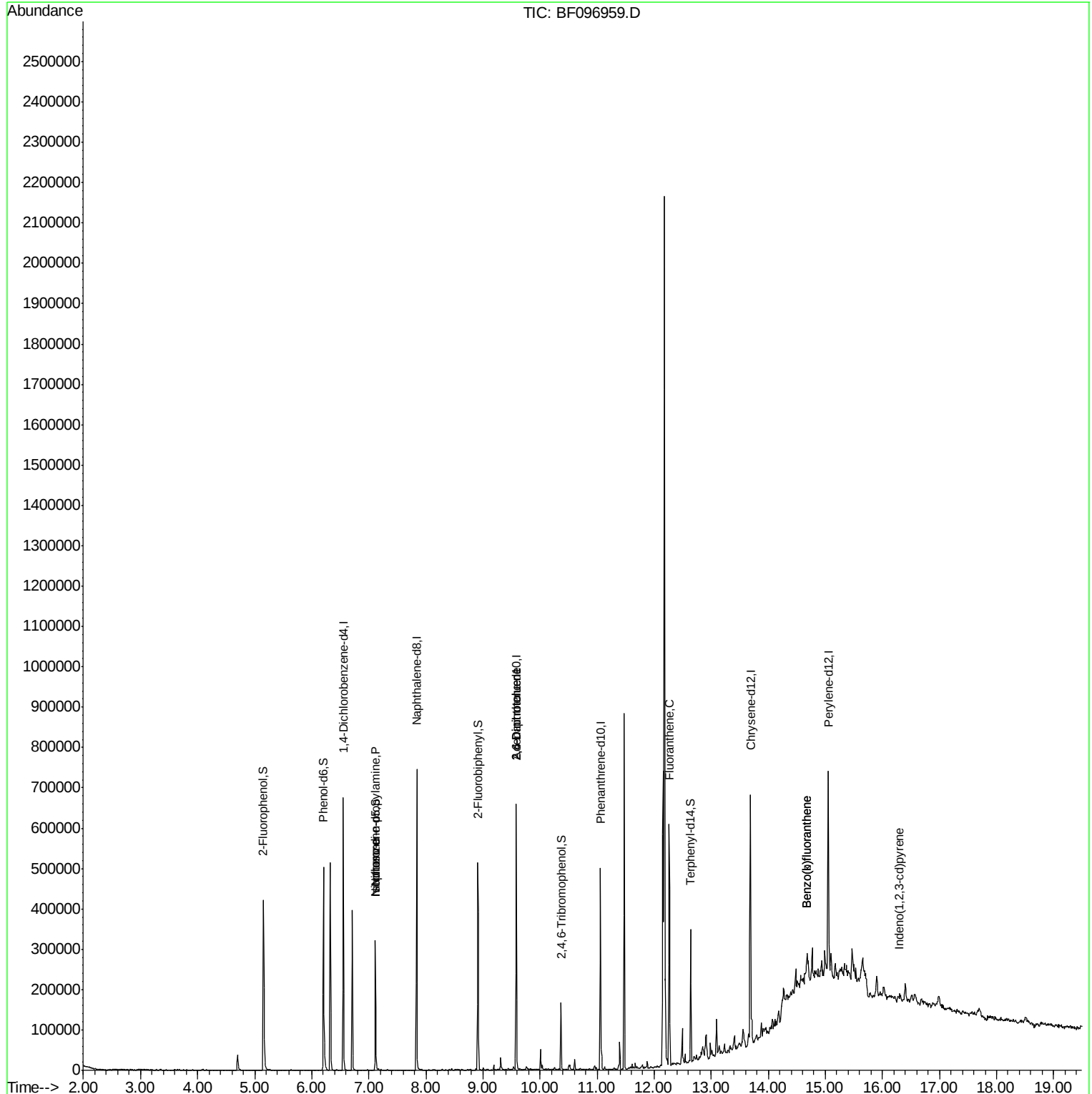
Quant Time: Jul 21 23:17:07 2017

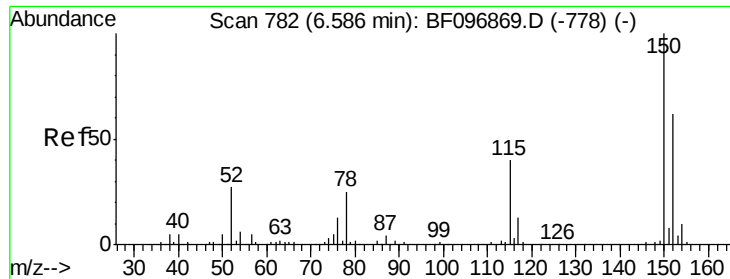
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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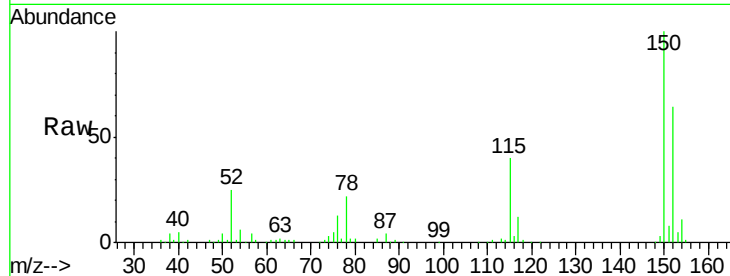




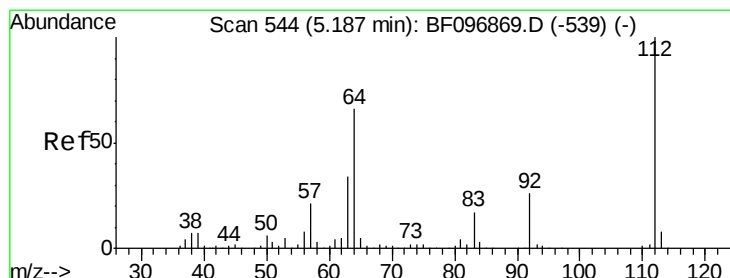
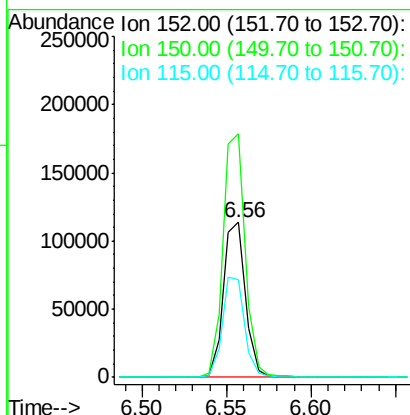
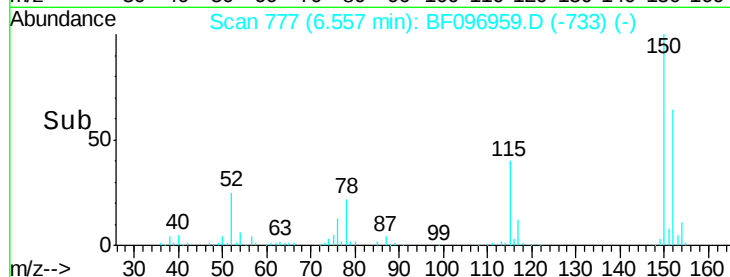
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.56 min Scan# 777
 Delta R.T. -0.04 min
 Lab File: BF096959.D
 Acq: 21 Jul 2017 22:19

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-072017

Tgt Ion:152 Resp: 103791
 Ion Ratio Lower Upper
 152 100
 150 157.2 126.2 189.2
 115 63.0 52.2 78.2

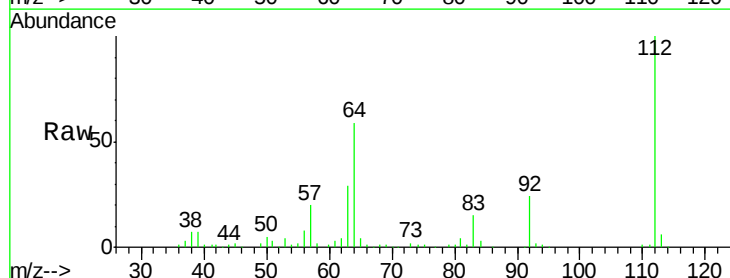


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

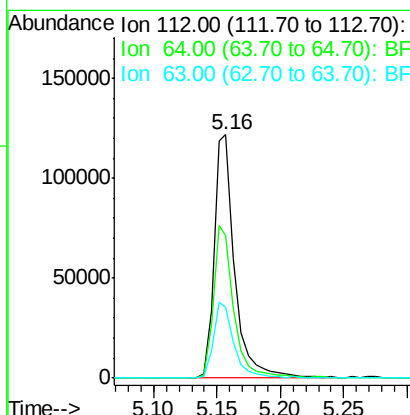
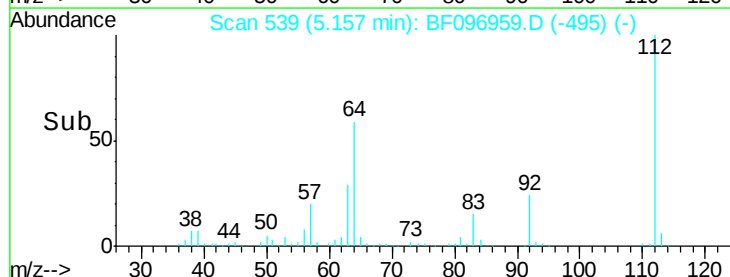


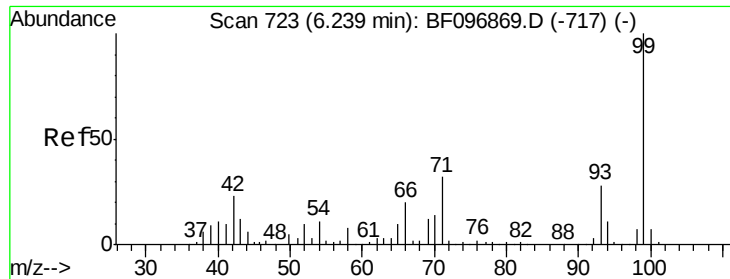
#5
 2-Fluorophenol
 Concen: 20.16 ng
 RT: 5.16 min Scan# 539
 Delta R.T. -0.04 min
 Lab File: BF096959.D
 Acq: 21 Jul 2017 22:19

Tgt Ion:112 Resp: 139133
 Ion Ratio Lower Upper
 112 100
 64 58.5 46.0 69.0
 63 28.9 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: 19.16 ng

RT: 6.20 min Scan# 717

Delta R.T. -0.05 min

Lab File: BF096959.D

Acq: 21 Jul 2017 22:19

Instrument :

BNA_F

ClientSampleId :

TR-05-072017

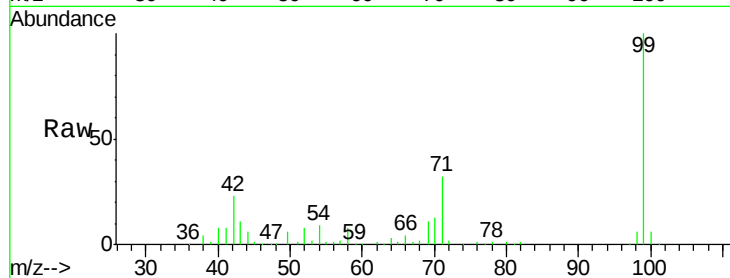
Tgt Ion: 99 Resp: 158738

Ion Ratio Lower Upper

99 100

42 22.8 13.5 20.3#

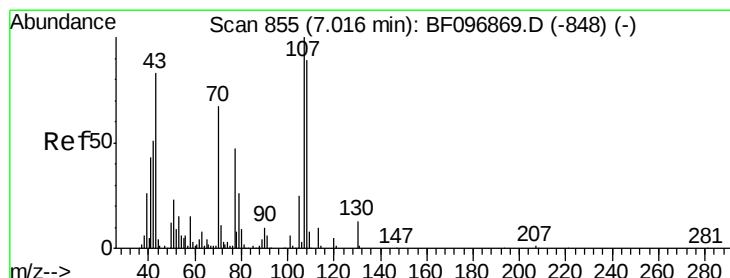
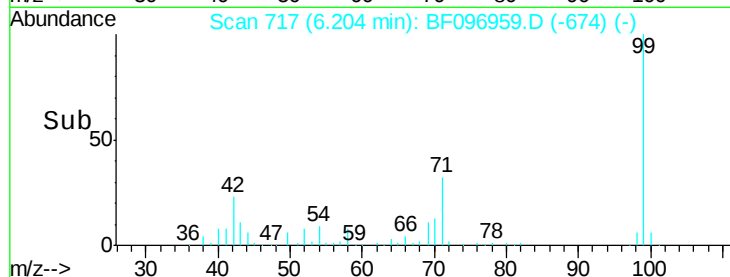
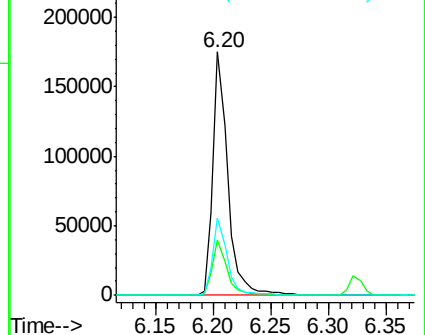
71 31.6 24.5 36.7



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: 2.13 ng

RT: 7.12 min Scan# 872

Delta R.T. 0.09 min

Lab File: BF096959.D

Acq: 21 Jul 2017 22:19

Tgt Ion: 70 Resp: 10643

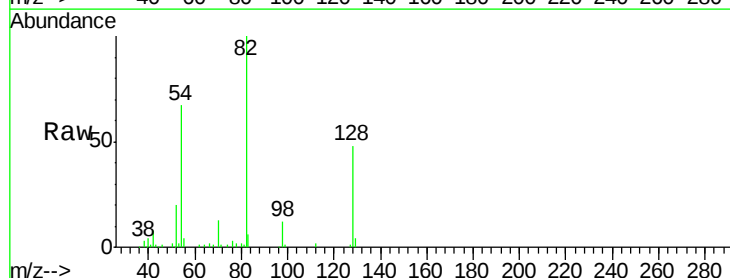
Ion Ratio Lower Upper

70 100

42 60.7 47.2 70.8

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

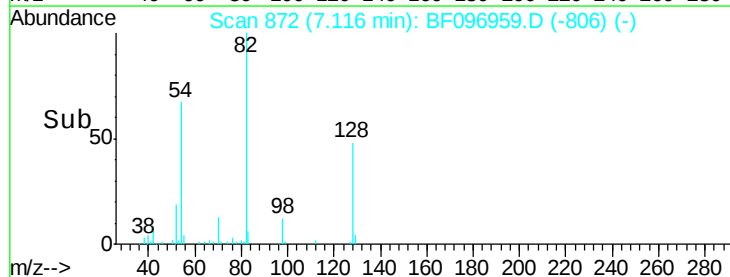
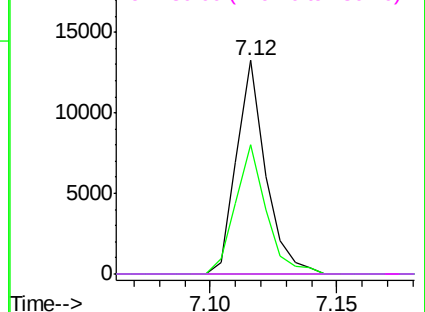


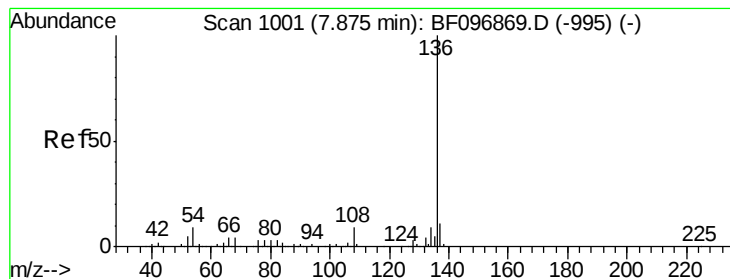
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 995

Delta R.T. -0.05 min

Lab File: BF096959.D

Acq: 21 Jul 2017 22:19

Instrument :

BNA_F

ClientSampleId :

TR-05-072017

Tgt Ion: 136 Resp: 346532

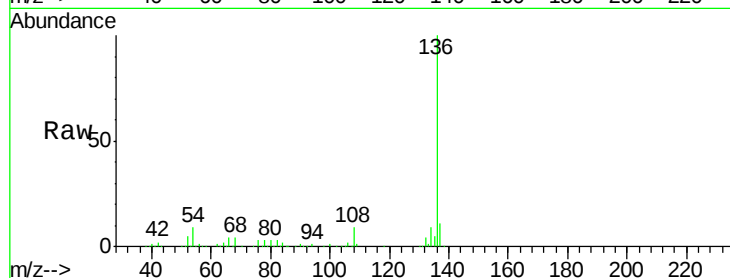
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 9.3 4.9 7.3#

68 4.4 4.1 6.1

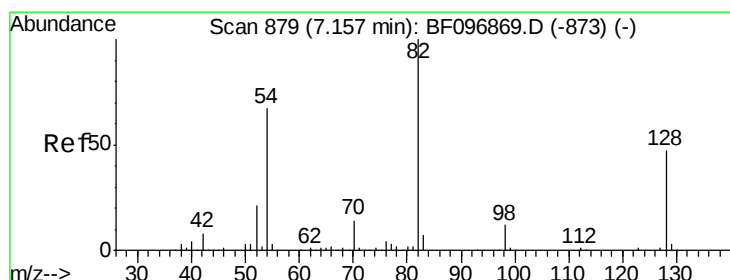
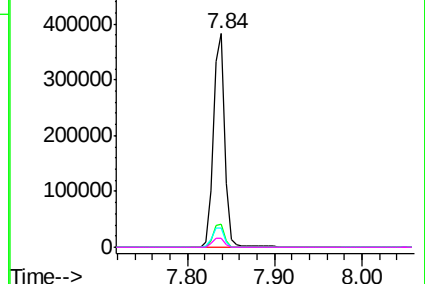
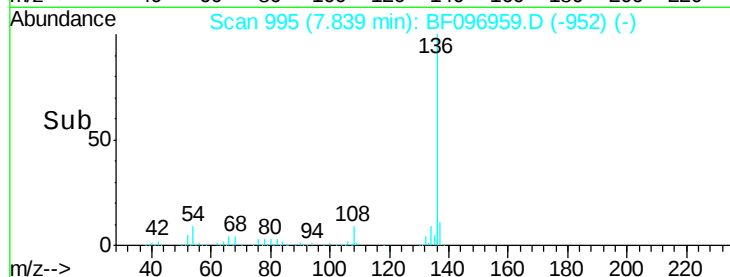


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.95 ng

RT: 7.12 min Scan# 872

Delta R.T. -0.05 min

Lab File: BF096959.D

Acq: 21 Jul 2017 22:19

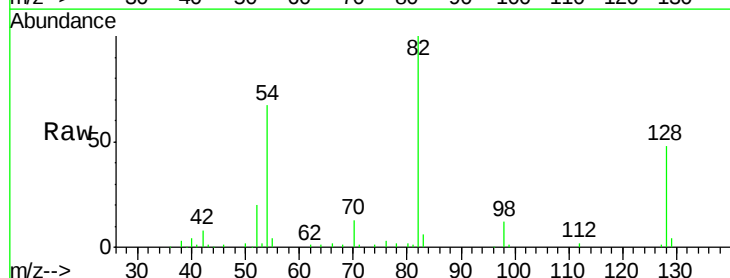
Tgt Ion: 82 Resp: 83624

Ion Ratio Lower Upper

82 100

128 48.1 34.0 51.0

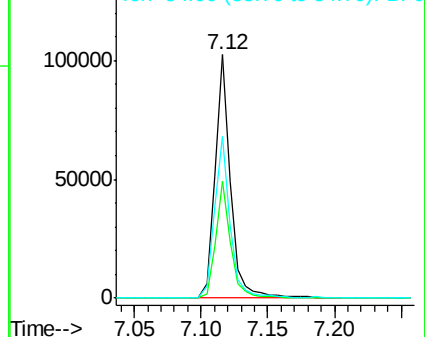
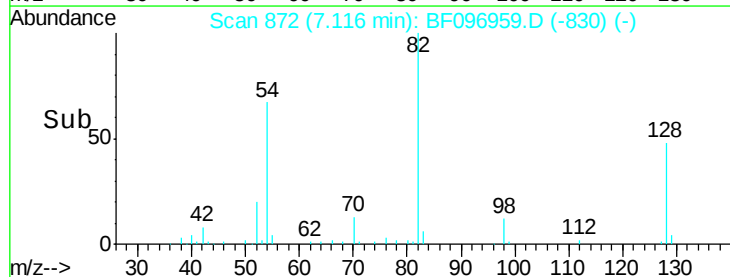
54 66.5 42.2 63.2#

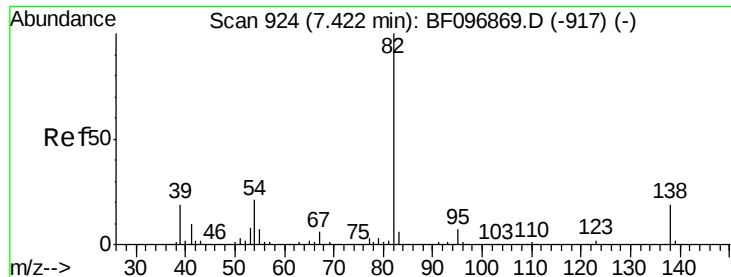


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

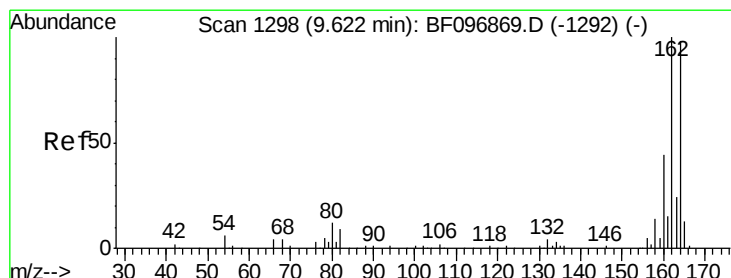
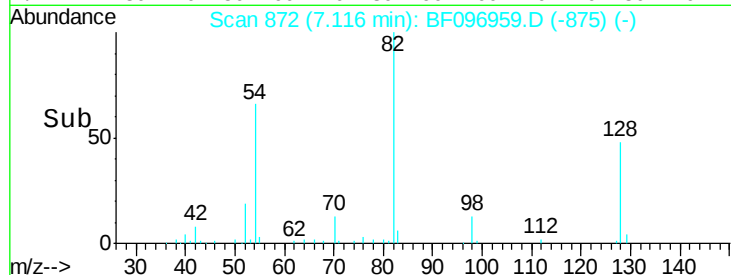
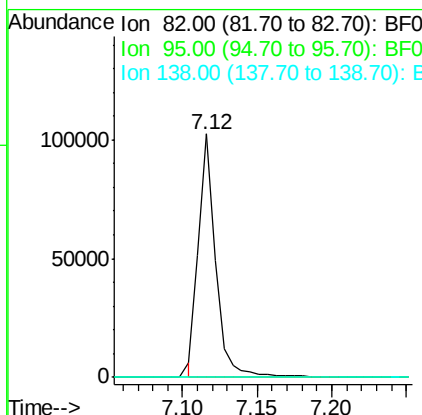
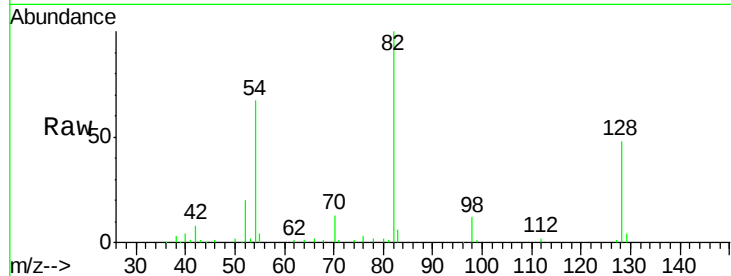




#25
Isophorone
Concen: 7.82 ng
RT: 7.12 min Scan# 872
Delta R.T. -0.32 min
Lab File: BF096959.D
Acq: 21 Jul 2017 22:19

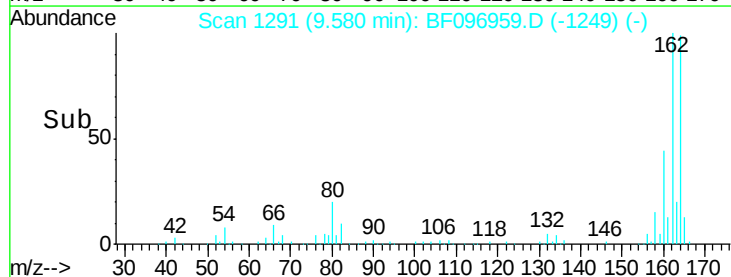
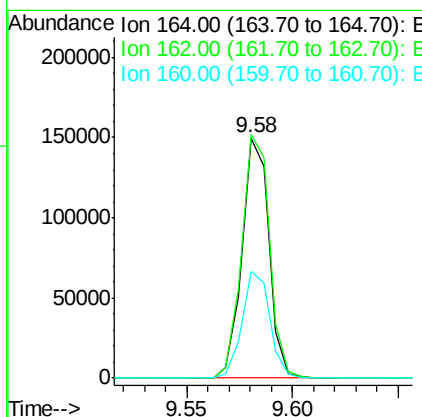
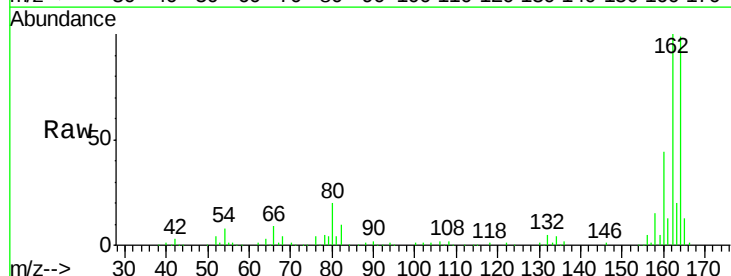
Instrument :
BNA_F
ClientSampleId :
TR-05-072017

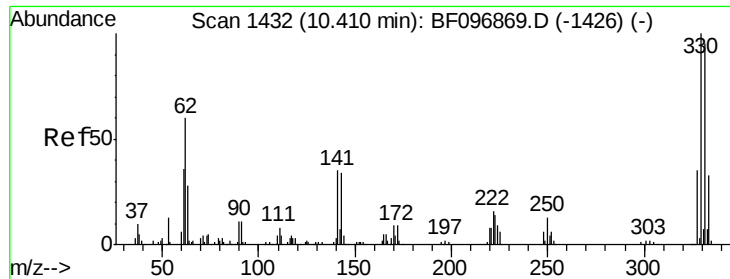
Tgt Ion: 82 Resp: 81419
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 1291
Delta R.T. -0.05 min
Lab File: BF096959.D
Acq: 21 Jul 2017 22:19

Tgt Ion: 164 Resp: 131403
Ion Ratio Lower Upper
164 100
162 101.4 82.6 123.8
160 44.6 36.2 54.2

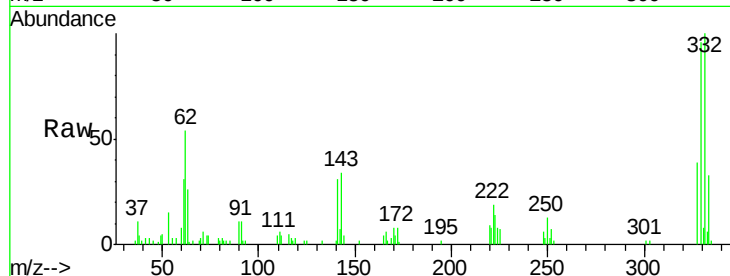




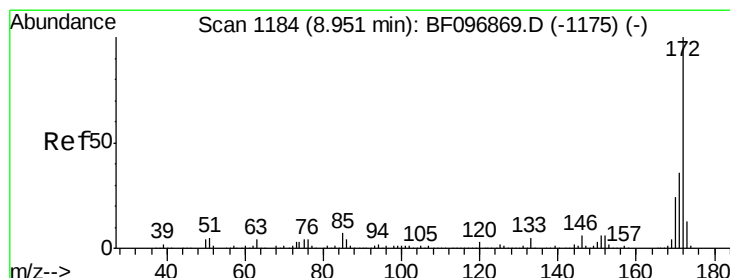
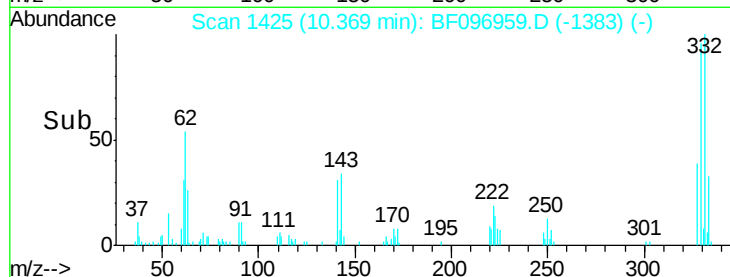
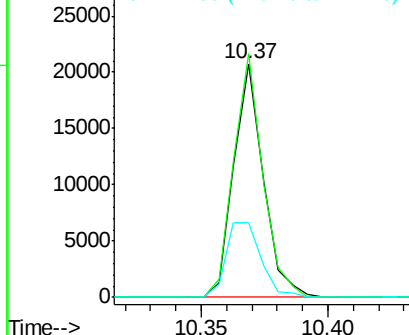
#41
 2,4,6-Tribromophenol
 Concen: 15.00 ng
 RT: 10.37 min Scan# 1425
 Delta R.T. -0.05 min
 Lab File: BF096959.D
 Acq: 21 Jul 2017 22:19

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-072017

Tgt Ion: 330 Resp: 16826
 Ion Ratio Lower Upper
 330 100
 332 102.4 76.6 115.0
 141 38.1 31.4 47.2

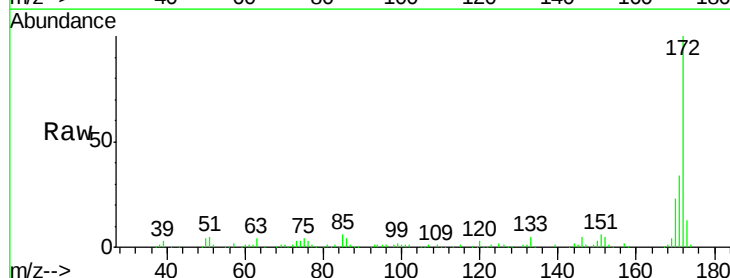


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

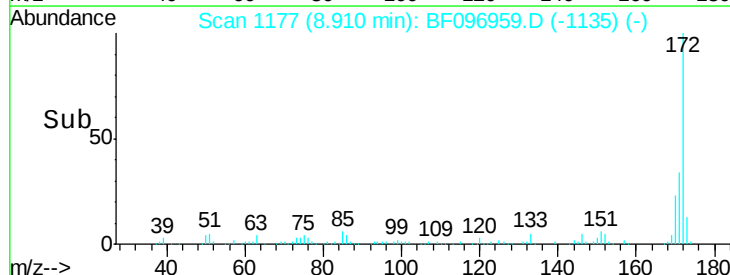
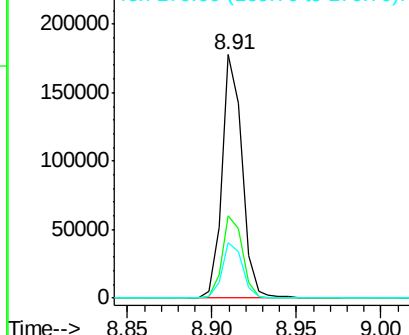


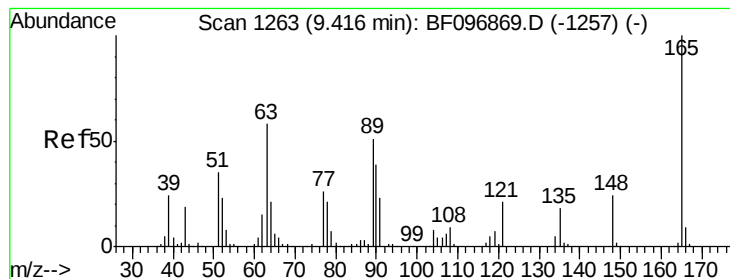
#44
 2-Fluorobiphenyl
 Concen: 17.75 ng
 RT: 8.91 min Scan# 1177
 Delta R.T. -0.05 min
 Lab File: BF096959.D
 Acq: 21 Jul 2017 22:19

Tgt Ion: 172 Resp: 147648
 Ion Ratio Lower Upper
 172 100
 171 33.6 29.6 44.4
 170 22.7 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: 7.92 ng

RT: 9.58 min Scan# 1291

Delta R.T. 0.15 min

Lab File: BF096959.D

Acq: 21 Jul 2017 22:19

Instrument :

BNA_F

ClientSampleId :

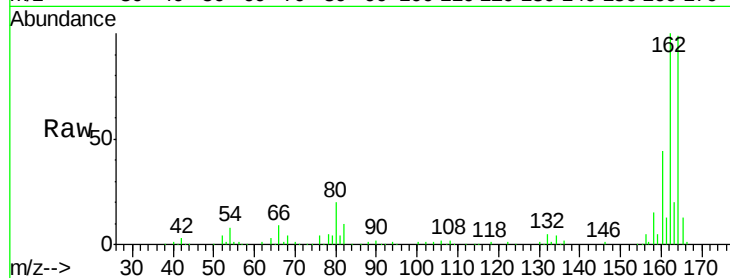
TR-05-072017

Tgt Ion:165 Resp: 16967
Ion Ratio Lower Upper

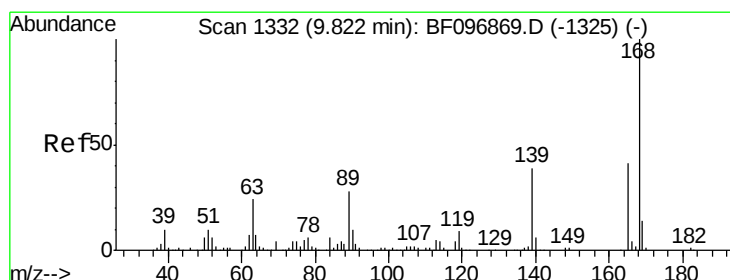
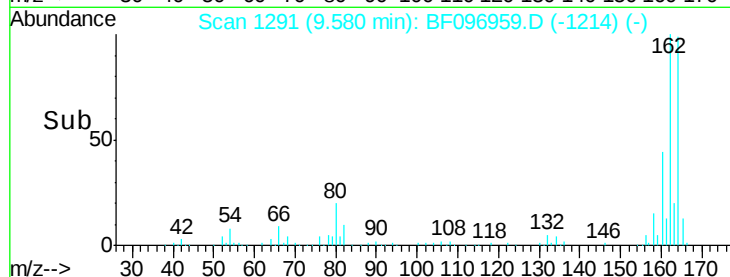
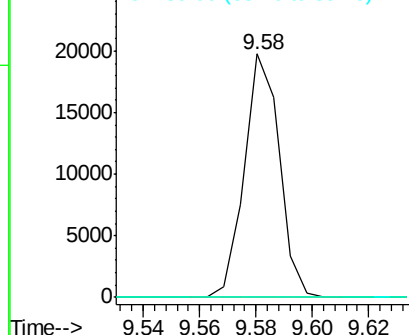
165 100

63 0.0 34.3 51.5#

89 0.0 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: 6.16 ng

RT: 9.58 min Scan# 1291

Delta R.T. -0.25 min

Lab File: BF096959.D

Acq: 21 Jul 2017 22:19

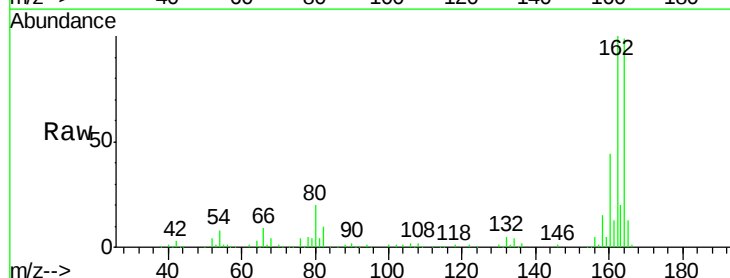
Tgt Ion:165 Resp: 16967
Ion Ratio Lower Upper

165 100

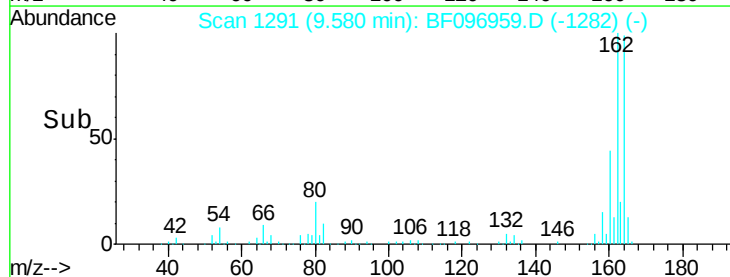
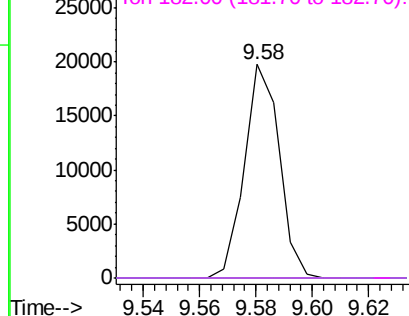
63 0.0 25.4 38.0#

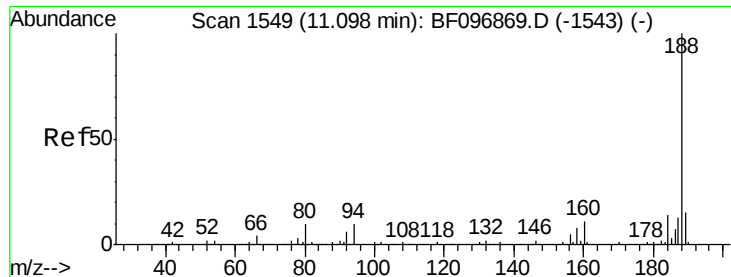
89 0.0 46.4 69.6#

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: 11.06 min Scan# 1542

Delta R.T. -0.05 min

Lab File: BF096959.D

Acq: 21 Jul 2017 22:19

Instrument :

BNA_F

ClientSampleId :

TR-05-072017

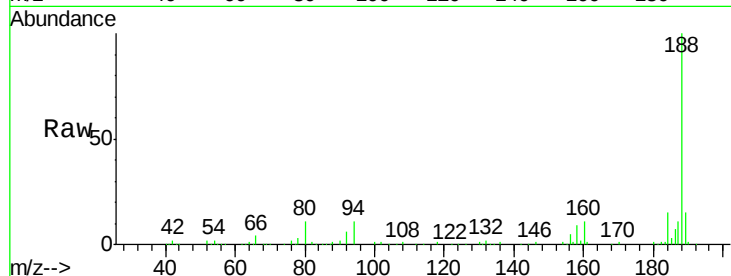
Tgt Ion:188 Resp: 163758

Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.2

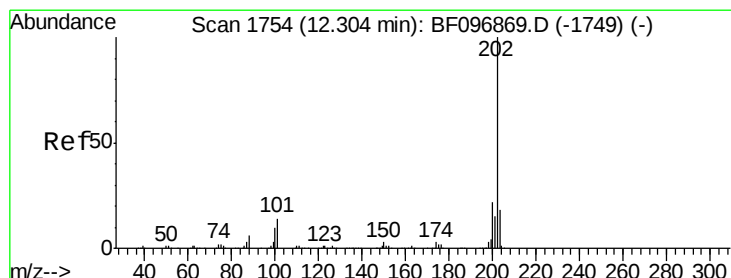
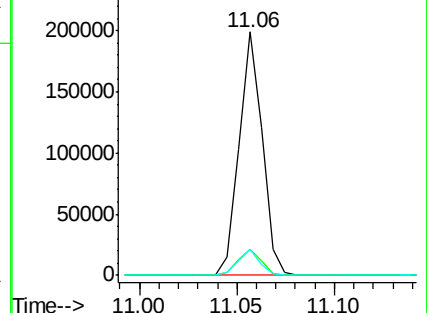
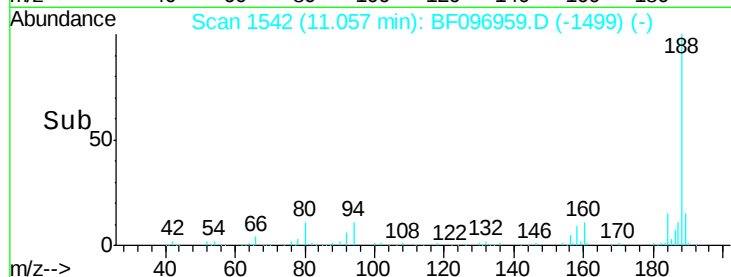
80 10.9 10.2 15.2



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



#74

Fluoranthene

Concen: 3.73 ng

RT: 12.26 min Scan# 1747

Delta R.T. -0.05 min

Lab File: BF096959.D

Acq: 21 Jul 2017 22:19

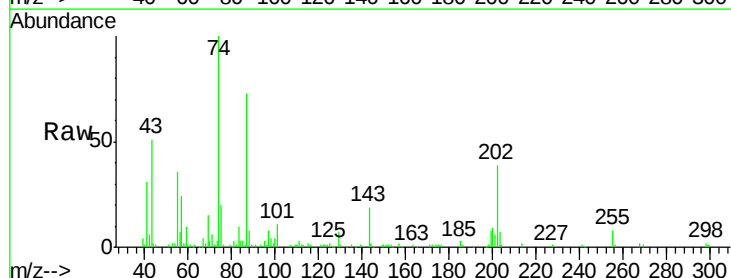
Tgt Ion:202 Resp: 31768

Ion Ratio Lower Upper

202 100

101 28.7 0.0 33.2

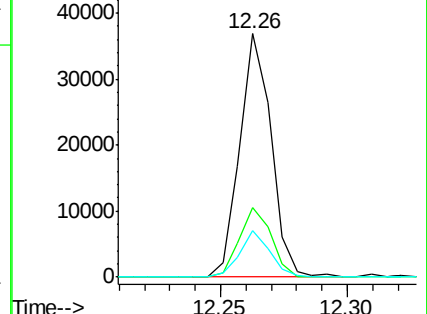
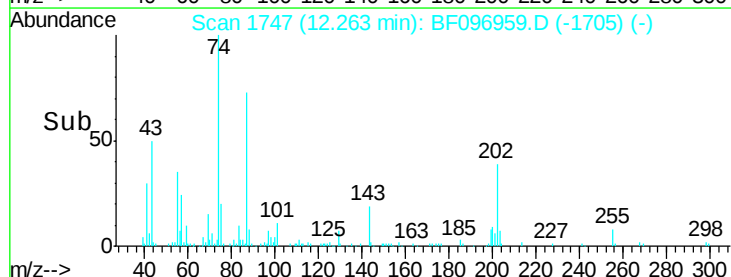
203 19.2 0.0 38.1

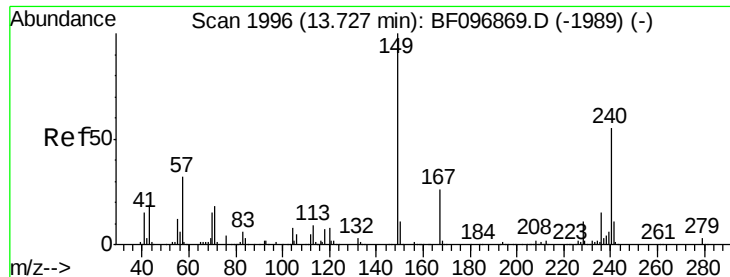


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.69 min Scan# 1989

Delta R.T. -0.05 min

Lab File: BF096959.D

Acq: 21 Jul 2017 22:19

Instrument :

BNA_F

ClientSampleId :

TR-05-072017

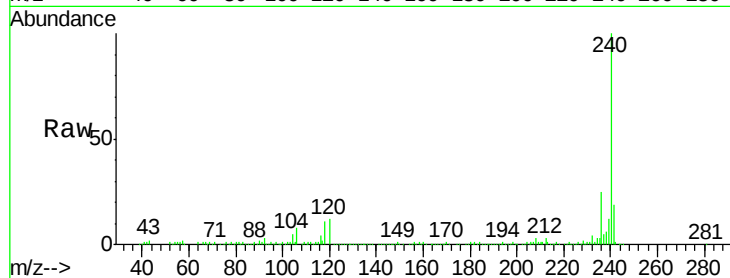
Tgt Ion:240 Resp: 201193

Ion Ratio Lower Upper

240 100

120 12.4 5.8 8.8#

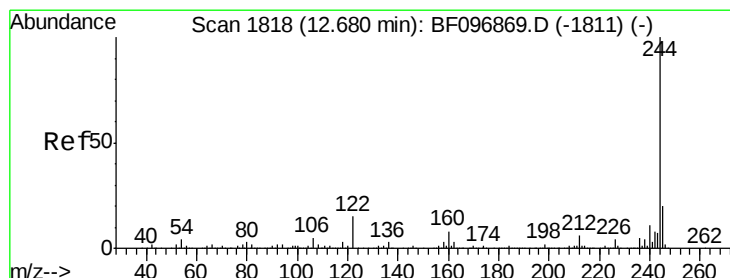
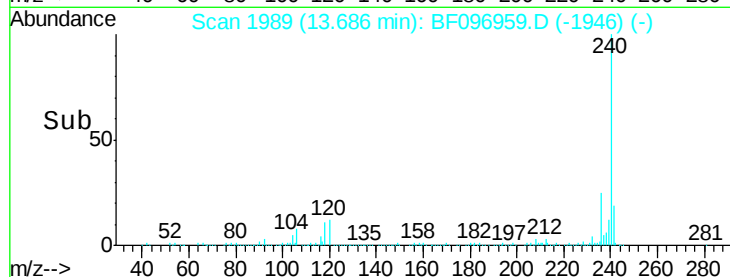
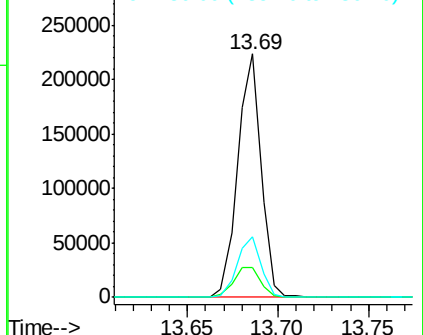
236 24.8 20.5 30.7



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: 7.54 ng

RT: 12.64 min Scan# 1811

Delta R.T. -0.05 min

Lab File: BF096959.D

Acq: 21 Jul 2017 22:19

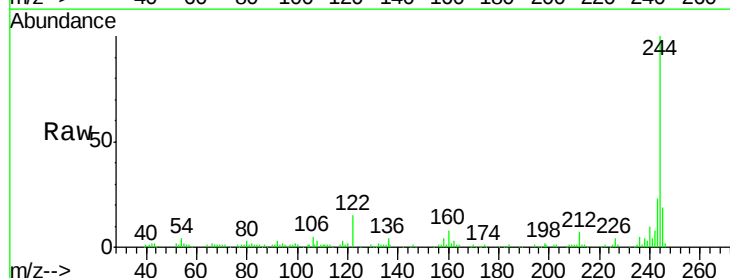
Tgt Ion:244 Resp: 87461

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

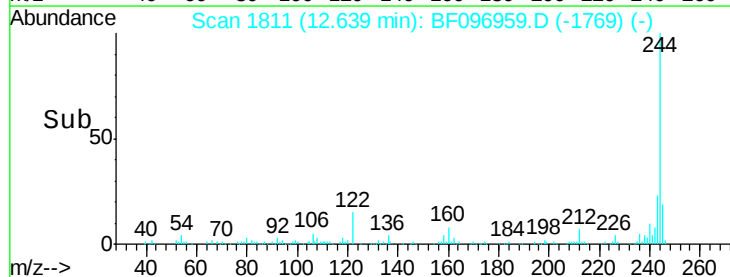
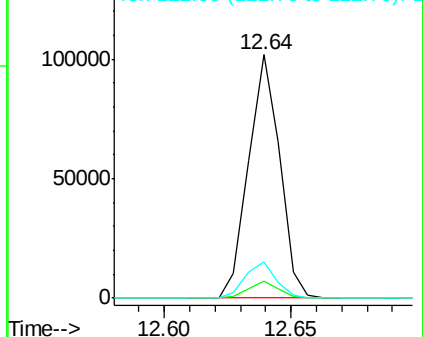
122 14.8 10.3 15.5

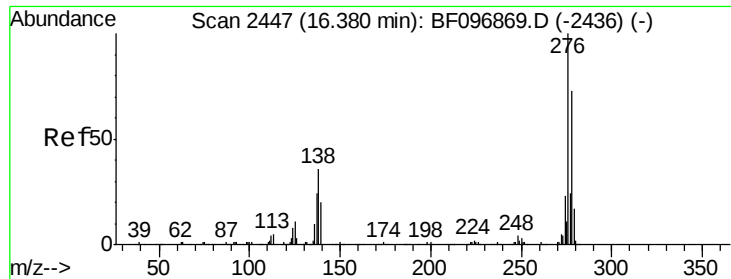


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

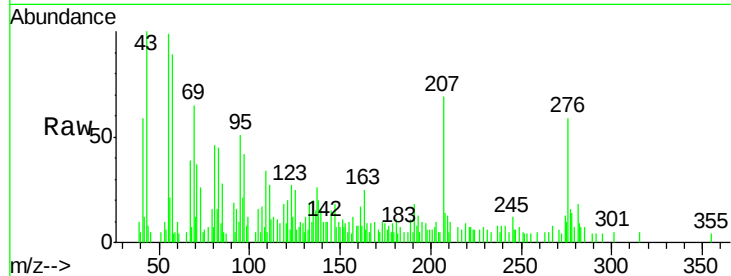




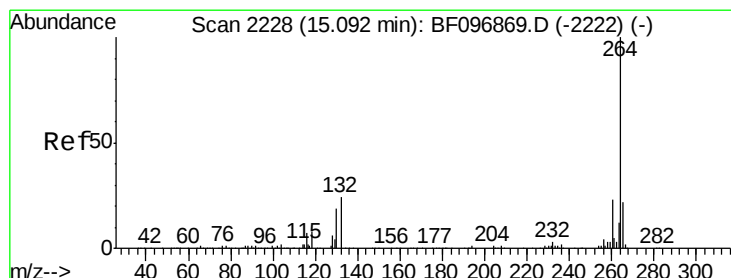
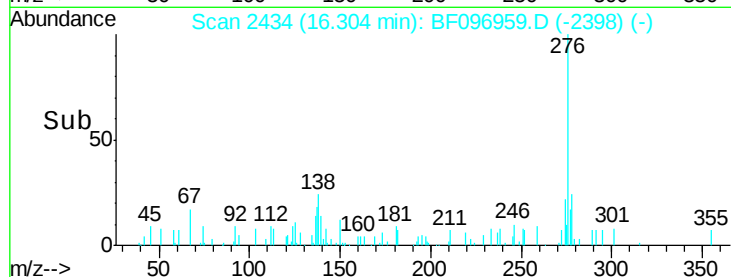
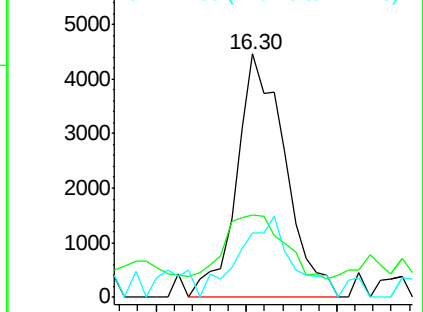
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.03 ng
 RT: 16.30 min Scan# 2434
 Delta R.T. -0.09 min
 Lab File: BF096959.D
 Acq: 21 Jul 2017 22:19

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-072017

Tgt Ion: 276 Resp: 8266
 Ion Ratio Lower Upper
 276 100
 138 34.4 27.8 41.6
 277 36.8 20.2 30.4#

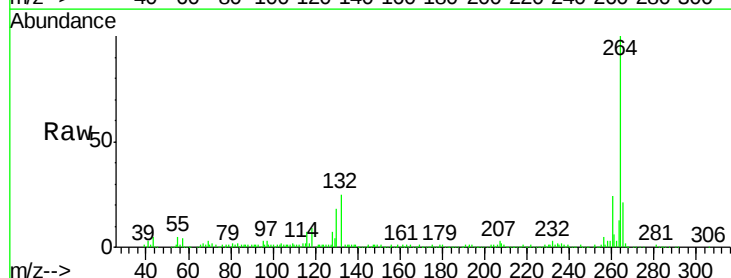


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

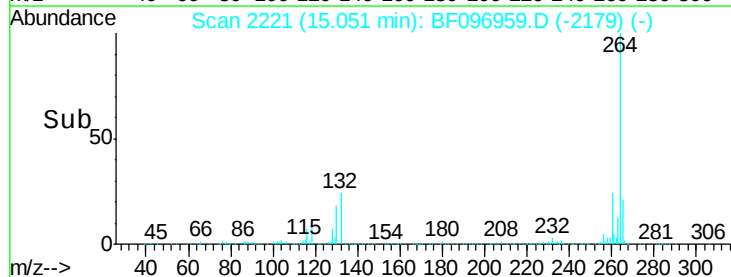
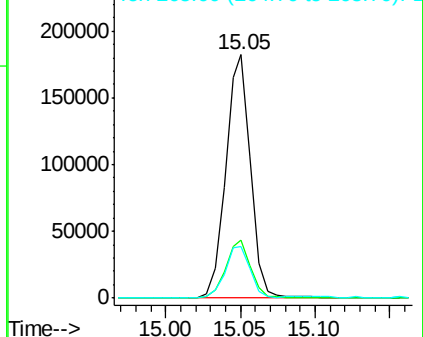


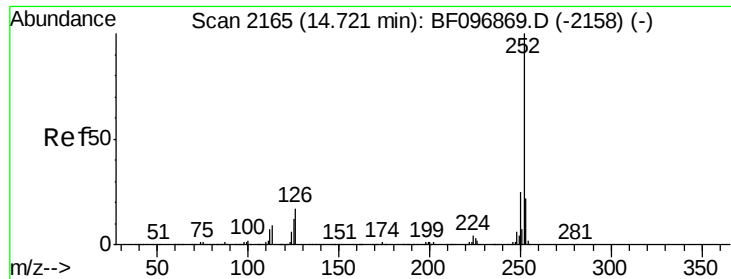
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 2221
 Delta R.T. -0.05 min
 Lab File: BF096959.D
 Acq: 21 Jul 2017 22:19

Tgt Ion: 264 Resp: 212195
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.5 29.3
 265 21.0 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





#87

Benzo(b)fluoranthene

Concen: 2.76 ng

RT: 14.68 min Scan# 2158

Delta R.T. -0.05 min

Lab File: BF096959.D

Acq: 21 Jul 2017 22:19

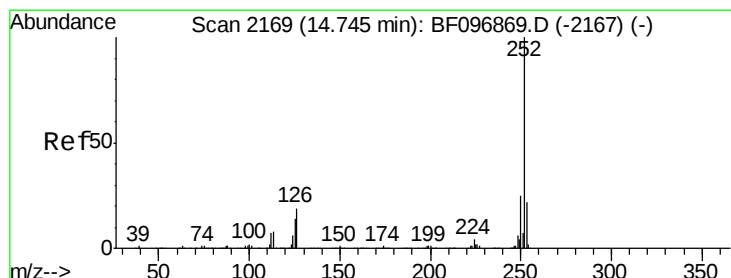
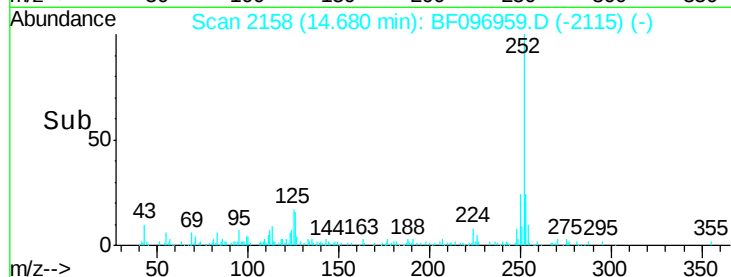
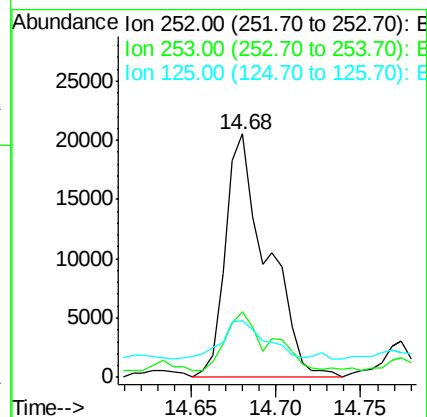
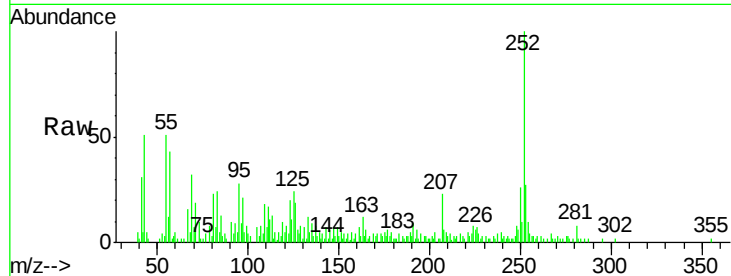
Instrument :

BNA_F

ClientSampled :

TR-05-072017

Tgt Ion:	252	Resp:	35349
Ion Ratio	Lower	Upper	
252	100		
253	27.2	18.1	27.1#
125	23.5	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 2.92 ng

RT: 14.68 min Scan# 2158

Delta R.T. -0.08 min

Lab File: BF096959.D

Acq: 21 Jul 2017 22:19

Tgt Ion:	252	Resp:	35349
Ion Ratio	Lower	Upper	
252	100		
253	27.2	18.4	27.6
125	23.5	13.1	19.7#

